

1. Ackerman A 1943 (Experiments to increase the yield from spring wheat, I. Crosses with Brunt Schlanstedter [Brown Schlanstedter] spring wheat with a description of Svalofs Progress spring wheat). *Sveriges Utsadesforenings Tidskrift* 53: 51-66. *Cited Plant Breeding Abstracts* 14: 173, p.42.
2. Ackerman A & MacKey J 1949 (Attempts to improve the yield of spring wheat II. Crosses between spring and winter wheat. Descriptions of Svalov's Ella spring wheat). *Sveriges Utsadesforenings Tidskrift* 59: 105-117. *Cited Plant Breeding Abstracts* 20: 197, p.65.
3. Acosta AC 1963 The transfer of stem rust resistance from rye to wheat. *Dissertation Abstracts* 23: 34-35.
4. Ahn SN & Tanksley SD 1993 Comparative linkage maps of the rice and maize genomes. *Proceedings of the National Academy of Sciences, USA* 90: 7980-7984.
5. Ainsworth C 1995 Personal communication.
6. Ainsworth CC 1983 The genetic control of hexokinase isozymes in wheat. *Genetical Research, Cambridge* 42: 219-227.
7. Ainsworth CC, Doherty P, Edwards KGK, Martienssen RA & Gale MD 1985 Allelic variation at a-amylase loci in hexaploid wheat. *Theoretical and Applied Genetics* 70: 400-406.
8. Ainsworth CC, Gale MD & Baird S 1983 The genetics of beta-amylase isozymes in wheat. Allelic variation among hexaploid varieties and intrachromosomal gene locations. *Theoretical and Applied Genetics* 66: 39-49.
9. Ainsworth CC, Gale MD & Baird S 1984 The genetic control of grain esterases in hexaploid wheat. *Theoretical and Applied Genetics* 68: 219-226.
10. Ainsworth CC, Gale MD & Miller TE 1986 Genetic control of grain esterases in hexaploid wheat II. Homoeologous loci in related species. *Theoretical and Applied Genetics* 72: 219-225.
11. Ainsworth CC, Hosein F, Tarvis M, Weir F, Burrell M, Devos KM & Gale MD 1995 Adenosine diphosphate glucose pyrophosphorylase genes in wheat: differential expression and gene mapping. *Planta* 197: 1-10.
12. Ainsworth CC, Johnson HM, Jackson EA, Miller TE & Gale MD 1984 The chromosomal locations of leaf peroxidase genes in hexaploid wheat, rye and barley. *Theoretical and Applied Genetics* 69: 205-210.
13. Ainsworth CC, Miller TE & Gale MD 1987 a-amylase and beta-amylase homoeoloci in species related to wheat. *Genetical Research, Cambridge* 49: 93-103.
14. Aliev EB, Musaev AD & Maystrenko OI 1982 (Identification of the gene *R2* controlling grain colour in the spring bread wheat variety Diamant 2). *Izv. SO AN SSSR. Ser. Bio. N.* (1981) 15: 75-79. *In: Referativnyi Zhurnal* (1982) 5.65.107; *Cited Plant Breeding Abstracts* 54: 798, p.799.
15. Allan RE 1970 Differentiating between two Norin 10/Brevor 14 semi-dwarf genes in a common genetic background. *Seiken Ziho* 22: 83-90.
16. Allan RE & Vogel OA 1960 F1 monosomic analysis involving a smooth-awn durum wheat. *Wheat Information Service* 11: 3-4.
17. Allan RE & Vogel OA 1965 Monosomic analysis of red seed colour in wheat. *Crop Science* 5: 475.
18. Allan RE, Heyne EG & Jones ET 1956 Relationship of sources of Hessian fly and leaf rust resistance in several wheat crosses involving a white winter wheat *Abstracts of the Annual Meeting of the American Society of Agronomy Cincinnati, Ohio. P.I.* 119344-9. *Cited Plant Breeding Abstracts* 1307, p. 224.
19. Allan RE, Heyne EG, Jones ET & Johnston CO 1959 Genetic analysis of ten sources of

- Hessian fly resistance, their interrelationships and association with leaf rust reaction in wheat. Kansas Agricultural Experiment Station Technical Bulletin 104: 51pp.
20. Allan RE, Petersen CJ Jr, Rubenthaler GL, Line RF & Roberts DE 1989 Registration of 'Madsen' wheat. *Crop Science* 29: 1575-1576.
  21. Allan RE, Petersen CJ Jr, Rubenthaler GL, Line RF & Roberts DE 1990 Registration of 'Hyak' wheat. *Crop Science* 30: 234.
  22. Allan RE, Peterson CJ, Line RF, George DW & Rubenthaler GL 1980 Registration of 'Tye'e' wheat. *Crop Science* 20: 829-830.
  23. Allan RE, Peterson CJ, Rubenthaler GL, Line RF & Morrison KJ 1986 Registration of 'Tres' wheat. *Crop Science* 26: 203-204.
  24. Allan RE, Vogel OA & Peterson CJ 1968 Inheritance and differentiation of semi-dwarf culm length of wheat. *Crop Science* 8: 701-704.
  25. Amri A, Cox TS, Gill BS & Hatchett JH 1990 Chromosomal location of the Hessian fly resistance gene *H20* in 'Jori' durum wheat. *Journal of Heredity* 81: 71-72.
  26. Amri A, Cox TS, Hatchett JH & Gill BS 1990 Complementary action of genes for Hessian fly resistance in wheat cultivar 'Seneca'. *Journal of Heredity* 81: 224-226.
  27. Anderson JA & Maan SS 1995 Interspecific nuclear-cytoplasmic compatibility controlled by genes on group 1 chromosomes in durum wheat. *Genome* 38: 803-808.
  28. Anderson JA, Ogihara Y, Sorrells ME & Tanksley SD 1992 Development of a chromosomal arm map for wheat based on RFLP markers. *Theoretical and Applied Genetics* 83: 1035-1043.
  29. Anderson MK, Williams ND & Maan SS 1971 Monosomic analysis of genes for stem rust resistance derived from Marquis and Reliance wheat. *Crop Science* 11: 556-558.
  30. Anderson OD, Greene FC, Yip RE, Halford NG, Shewry PR & Malpica-Romero J-M 1989 Nucleotide sequence of the two high-molecular-weight glutenin genes from the D-genome of a hexaploid bread wheat, *Triticum aestivum* L. cv. Cheyenne. *Nucleic Acids Research* 17: 461-462.
  31. Anderson RG 1961 The inheritance of leaf rust resistance in seven varieties of common wheat. *Canadian Journal of Plant Science* 41: 342-359.
  32. Anderson RG 1966 Studies on the inheritance of resistance to leaf rust of wheat. *Proceedings of the 2nd International Wheat Genetics Symposium Lund, Sweden 1963*, (Mackey J ed.) *Hereditas Supplement* 2: 144-155.
  33. Anonymous 1971 CIMMYT Annual Report 1969-70.
  34. Anonymous 1976 Annual Report, Plant Breeding Institute Cambridge, 1975. 109.:
  35. Anonymous 1979 Enzyme Nomenclature (1978). Recommendations of the Nomenclature Committee of the International Union of Biochemistry. Academic Press, New York.
  36. Anonymous 1984 Enzyme Nomenclature (1984). Recommendations of the Nomenclature Committee of the International Union of Biochemistry. Academic Press, New York.
  37. Appels R & Dvorak J 1982 The wheat ribosomal DNA spacer region: its structure and variation in populations and among species. *Theoretical and Applied Genetics* 63: 337-348.
  38. Appels R, Driscoll CJ & Peacock WJ 1978 Heterochromatin and highly repeated DNA sequences in rye (*Secale cereale*). *Chromosoma* 70: 67-89.
  39. Appels R, Gerlach WR, Dennis ES, Swift H & Peacock WJ 1980 Molecular and chromosomal organization of DNA sequences coding for the ribosomal RNA's in cereals. *Chromosoma* 78: 293-311.
  40. Arbutova VS 1989 Development of isogenic forms of wheat Saratovskaya 29 for introducing dominant gene-markers for separate chromosomes in monosomic lines.

- Cytogenetics of Agricultural Plants (Shumnyi VK & Shchapova AI eds). Novosibirsk, 1989. (In Russian). pp. 147-160.
41. Arbuzova VS 1994 Chromosome localization of genes *Pp* for purple grain pigmentation introgressed into common wheat. *Genetika (Supplement)* 30: 9.
  42. Arbuzova VS, Efremova TT, Laikova LI, Maystrenko OI, Popova OM & Pshenichnikova TA 1996 The development of precise genetic stocks in two wheat cultivars and their use in genetic analysis. *Euphytica* 89: 11-15.
  43. Artemova NV 1982 Chromosomal control of the isoenzymes of alcohol dehydrogenase, esterase, and amylase in different rye varieties. *Genetika* 18: 661-667.
  44. Asakura N, Nakamura C & Ohtsuka I 1997 RAPD markers lined to the nuclear gene from *Triticum timopheevii* that confers compatability with *Aegilops squarrosa* cytoplasm on alloplasmic durum wheat. *Genome* 40: 201-210.
  45. Aslam M 1958 Genetic studies in interspecific crosses between durum, sphaerococcum and vulgare types of wheat. *Agriculture, Pakistan* 9: 109-119. *Cited Plant Breeding Abstracts* 39: 2451, p.471.
  46. Athwal DS & Watson IA 1955 Inheritance of reaction to wheat stem rust in crosses involving Marquillo, Thatcher and Hochzucht. *Proceedings of the Linnaean Society of New South Wales* 80: 113-129.
  47. Ausemus ER, Harrington JB, Reitz LP & Worzella WW 1946 A summary of genetic studies in hexaploid and tetraploid wheats. *Journal of the American Society of Agronomy* 38: 1082-1099.
  48. Autrique E, Singh RP, Tanksley SD & Sorrells ME 1995 Molecular markers for four leaf rust resistance genes introgressed into wheat from wild species. *Genome* 38: 75-83.
  49. Bacon RK, Kelly JT & Milus EA 1996 Registration of 'Hazan' wheat. *Crop Science* 36: 209-210.
  50. Badebo A, Stubbs RW, van Ginkel M & Gebeyehu G 1990 Identification of resistance genes to *Puccinia striiformis* in seedlings of Ethiopian and CIMMYT bread wheat varieties and lines. *Netherlands Journal of Plant Pathology* 96: 199-210.
  51. Bagnara D & Rossi L 1972 A liguleless mutation radioinduced in *Triticum durum* Desf. *Wheat Information Service* 33-34: 1-3.
  52. Baier AC, Zeller FJ, Oppitz K & Fischbeck G 1973 Monosomenanalyse der Mehltau und Schwarzrostresistenz des Sommerweizens 'Solo'. *Zeitschrift für Pflanzenzüchtung* 70: 177-194.
  53. Baker EP 1967 Inheritance of resistance to bunt in Turkey wheat selections. *Proceedings of the Linnaean Society of New South Wales* 90: 189-210.
  54. Baker EP, Sanghi AK, McIntosh RA & Luig NH 1970 Cytogenetical studies in wheat III. Studies of a gene conditioning resistance to stem rust strains with unusual genes for avirulence. *Australian Journal of Biological Sciences* 23: 369-375.
  55. Baker RJ 1977 Inheritance of kernel hardness in spring wheat. *Crop Science* 17: 960-962.
  56. Baker RJ 1981 Inheritance of seed coat colour in eight spring wheat cultivars. *Canadian Journal of Plant Science* 61: 719-721.
  57. Balzer H-J, Borysiuk L, Meyer H-M, Matzk F & Baumlein H 1996 A pollen allergen encoding gene is expressed in wheat ovaries. *Plant Molecular Biology* 32: 435-445.
  58. Banks PM 1996 Personal communication.
  59. Banks PM, Larkin PJ, Bariana HS, Lagudah ES, Appels R, Waterhouse PM, Brettell RIS, Chen X, Xu HJ, Xin ZY, Qian YT, Zhou XM, Cheng ZM & Zhou GH 1995 The use of cell cultures for subchromosomal introgressions of barley yellow dwarf virus resistance from *Thinopyrum intermedium* to wheat. *Genome* 38: 395-405.

60. Barber HN, Driscoll CJ, Long PM & Vickery RS 1968 Protein genetics of wheat and homoeologous relationships of chromosomes. *Nature* 218: 450-452.
61. Barber HN, Driscoll CJ, Long PM & Vickery RS 1969 Gene similarity of the Triticinae and the study of segmental interchanges. *Nature* 222: 897-898.
62. Bariana HS & McIntosh RA 1993 Cytogenetic studies in wheat XV. Chromosome location of rust resistance genes in VPM1. *Genome* 36: 476-482.
63. Barkardottir RB, Jensen BF, Kreiberg JD, Nielsen PS & Gausing K 1987 Expression of selected nuclear genes during leaf development in barley. *Developmental Genetics* 8: 495-511.
64. Barlow KK & Driscoll CJ 1981 Linkage studies involving two chromosomal male-sterility mutants in hexaploid wheat. *Genetics* 98: 791-799.
65. Bartels D & Thompson RD 1983 The characterization of cDNA clones coding for wheat storage proteins. *Nucleic Acids Research* 11: 2961-2977.
66. Bartels D, Altosaar I, Harberd NP, Barker RF & Thompson RD 1986 Molecular analysis of gamma-gliadin gene families at the complex *Gli-1* locus of bread wheat (*T. aestivum* L.). *Theoretical and Applied Genetics* 72: 845-853.
67. Bartos P & Kosner J 1995 Monosomic analysis of resistance to stem rust in the winter wheat cultivar Zdar (Boheme). *Cereal Rusts and Powdery Mildews Bulletin* 23: 1-4.
68. Bartos P & Stuchlikova E 1986 Genes for rust resistance. *Annual Wheat Newsletter* 32: 65-66.
69. Bartos P & Stuchlikova E 1988 Genes for leaf rust resistance in productive wheats. *Proceedings of the 7th European and Mediterranean Cereal Rusts Conference Vienna, Austria* (B. Zwatz ed.): 85-87.
70. Bartos P & Stuchlikova E 1989 Stem rust resistance of the wheat cultivar Maris Fundin. *Cereal Rusts and Powdery Mildews Bulletin* 17: 10-15.
71. Bartos P & Valkoun J 1988 Rust resistance genes in Czechoslovak wheats. *Cereal Rusts and Powdery Mildews Bulletin* 16: 36-40.
72. Bartos P, Green GJ & Dyck PL 1970 Reaction to stem rust and genetics of stem rust resistance in European wheat varieties. *Canadian Journal of Botany* 48: 1439-1443.
73. Bartos P, Johnson R & Stubbs RW 1987 Postulated genes for resistance to yellow rust in Czechoslovakian wheat cultivars. *Cereal Rusts Bulletin* 15: 79-84.
74. Bartos P, Samborski DJ & Dyck PL 1969 Leaf rust resistance of some European varieties of wheat. *Canadian Journal of Botany* 47: 543-546.
75. Bartos P, Stuchlikova E & Kubova R 1984 Wheat leaf rust epidemics in Czechoslovakia in 1983. *Cereal Rusts Bulletin* 12: 40-41.
76. Bartos P, Tersova R & Slovencikova V 1983 Genetics of rust resistance in Czechoslovak wheat cultivars. *Tag.-Ber., Akad. Landwirtsch. -Wiss. DDR, Berlin* 216: 555-560.
77. Barulina H 1933 (Comparative genetic study of the species of *Triticum*, I. Inheritance of the ligule in wheat species with different chromosome numbers: *T. vulgare* Vill., *T. compactum* Host., *T. durum* Desf.). *Bulletin of Applied Botany Leningrad Series* 2(5): 127-165. *Cited Plant Breeding Abstracts* 4: 951, p. 291.
78. Baulcombe DC & Bufford D 1983 Gibberellic-acid-regulated expression of  $\alpha$ -amylase and six other genes in wheat aleurone layers. *Planta* 157: 493-501.
79. Baulcombe DC, Barker RF & Jarvis MG 1987 A gibberellin response wheat gene has homology to yeast carboxypeptidase Y. *Journal of Biological Chemistry* 262: 13726-13735.
80. Baulcombe DC, Huttly AK, Matienssen RA, Barker RF & Jarvis MG 1987 A novel wheat  $\alpha$ -amylase gene (*a-Amy3*). *Molecular and General Genetics* 209: 33-40.

81. Bayles RA & Herron C 1986 Yellow rust of wheat. UK Cereal Pathogen Virulence Survey, Annual Report, National Institute Agricultural Botany 15-20.
82. Bayles RA & Priestley RH 1983 Yellow rust of wheat. UK Cereal Pathogen Virulence Survey. 1982 Annual Report, National Institute Agricultural Botany 27-36.
83. Bayles RA & Thomas JE 1984 Yellow rust of wheat. UK Cereal Pathogen Virulence Survey. 1983 Annual Report, National Institute Agricultural Botany 23-31.
84. Ben Amer IM, Korzun V, Worland AJ & Borner A 1997 Genetic mapping of QTL controlling tissue-culture response on chromosome 2B of wheat (*Triticum aestivum*) in relation to major genes and RFLP markers. *Theoretical and Applied Genetics* 94: 1047-1052.
85. Benedettelli S & Hart GE 1987 Genetic analysis of Triticeae shikimate dehydrogenase. *Biochemical Genetics* 26: 287-301.
86. Benito C & Perez de la Vega M 1979 The chromosomal location of peroxidase isozymes of the wheat kernel. *Theoretical and Applied Genetics* 55: 73-76.
87. Benito C & Salinas J 1983 The chromosomal location of malate dehydrogenase isozymes in hexaploid wheat. *Theoretical and Applied Genetics* 64: 255-258.
88. Benito C, Figueiras AM & Gonzalez-Jaen MT 1984 Phosphoglucumutase - a biochemical marker for group 4 chromosomes in the Triticinae. *Theoretical and Applied Genetics* 68: 555-557.
89. Benito C, Figueiras AM & Gonzalez-Jaen MT 1987 Location of genes coding isozyme markers on *Aegilops umbellulata* chromosomes adds data on homoeology among Triticiae chromosomes. *Theoretical and Applied Genetics* 73: 581-588.
90. Benito C, Figueiras AM, Gonzalez-Jaen MT & Salinas J 1985 Biochemical evidence of homoeology between wheat and barley chromosomes. *Zeitschrift für Pflanzenzüchtung* 94: 307-320.
91. Benito C, Gallego FJ, Frade JM & Zaragoza C 1990 Chromosomal location of adenylate kinase isozymes in Triticeae species. *Theoretical and Applied Genetics* 79: 157-160.
92. Benito C, Gallego FJ, Zaragoza C, Frede JM & Figueiras AM 1991 Biochemical evidence of a translocation between 6RL/7RL chromosome arms in rye (*Secale cereale* L.). A genetic map of 6R chromosome. *Theoretical and Applied Genetics* 82: 27-32.
93. Benito C, Llorente F, Henriques-Gil N, Gallego FJ, Zaragosa C, Delibes A & Figueiras AM 1994 A map of rye chromosome 4R with cytological and molecular markers. *Theoretical and Applied Genetics* 87: 941-946.
94. Benito C, Perez de la Vega M & Salinas J 1980 The inheritance of wheat kernel peroxidases. *Journal of Heredity* 71: 416-418.
95. Benito MC, Sanchez M, Shin JS & Blake T 1988 A map of barley chromosome 2 using isozymic and morphological markers. *Biochemical Genetics* 26: 387-394.
96. Bennett FGA 1982 Personal communication.
97. Bennett FGA 1984 Resistance to powdery mildew in wheat: a review of its use in agriculture and breeding programmes. *Plant Pathology* 33: 279-300.
98. Bennett FGA & van Kints T 1983 Mildew of wheat. UK Cereal Pathogen Virulence Survey. 1983 Annual Report, National Institute Agricultural Botany 7-21.
99. Berg LA, Gough FJ & Williams ND 1963 Inheritance of stem rust resistance in two wheat varieties, Marquis and Kota. *Phytopathology* 53: 904-908.
100. Bergman JW 1972 Chromosome locations of genes controlling esterase and malate dehydrogenase isozymes in *Triticum*. PhD Dissertation, North Dakota State University, Fargo, North Dakota.
101. Bergman JW & Williams ND 1972 Isozyme variants of esterase and malate dehydrogenase

- among wheat aneuploids. *Agronomy Abstracts* p. 23.
102. Berkelman T, Houtchens KA & DuPont FM 1994 Two cDNA clones encoding isoforms of the B subunit of the vacuolar ATPase from barley roots. *Plant Physiology* 104: 287-288.
  103. Bernard M, Autran JC & Joudrier P 1977 Possibilities d'identification de certains chromosomes de seigle a l'aide de marqueurs biochimiques. *Annales d'Amelioration des Plantes* 27: 355-362.
  104. Bethards LA, Skadsen RW & Scandalios JG 1987 Isolation and characterization of a cDNA clone for the *Cat2* gene in maize and its homology with other catalases. *Proceedings National Academy Sciences, USA* 84: 6830-6834.
  106. Bhowal JG & Jha MP 1969 An inhibitor of glume pigment in wheat. *Canadian Journal of Genetics and Cytology* 11: 226.
  107. Bietz JA, Shepherd KW & Wall JS 1975 Cereal single-kernel analysis of glutenin: use in wheat genetics and breeding. *Cereal Chemistry* 52: 513-532.
  108. Bimb HP & Johnson R 1996 Expression of the gene *Pm8* for powdery mildew resistance in wheat cultivars with the 1BL/1RS translocation which carries the gene *Yr9* for yellow rust resistance. *Proceedings of the 9th European & Mediterranean Cereal Rusts & Powdery Mildews Conference, Lunteren, The Netherlands* (Kema GHJ, Niks RE & Daamen RA, eds.) pp247.
  109. Blanco A & Simeone R 1982 Genetic control of gibberellic acid insensitivity in semidwarf durum wheat (*Triticum durum* Desf.). *Zeitschrift fur Pflanzenzuchtung* 88: 185-190.
  110. Blanco A, De Giovanni C, Laddomada B, Sciancalepore A, Simeone R, Devos KM & Gale MD 1996 Quantitative trait loci influencing grain protein content in tetraploid wheats. *Plant Breeding* 115: 310-316.
  111. Blanco A, Resta P, Simeone R, Parmar S, Shewry PR, Sabelli PW & Lafiandra D 1991 Chromosomal location of seed storage protein genes in the genome of *Dasypyrum villosum* (L.) Candargy. *Theoretical and Applied Genetics* 82: 358-362.
  112. Bolton FE 1968 Inheritance of blue aleurone and purple pericarp in hexaploid wheat. *Dissertation Abstracts* 29: 844B. *Cited Plant Breeding Abstracts* 40: 2684, p.344.
  113. Bonhomme A, Gale MD, Koebner RMD, Nicolas P, Jahier J & Bernard M 1995 RFLP analysis of an *Aegilops ventricosa* chromosome that carries a gene conferring resistance to leaf rust (*Puccinia recondita*) when transferred to hexaploid wheat. *Theoretical and Applied Genetics* 90: 1042-1048.
  114. Borner A & Mettin D 1988 The genetic control of giberellic acid insensitivity of the wheat variety Ai-Bian 1. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK* (Miller TE & Koebner RMD eds.): 489-492.
  115. Borner A, Lehmann CO, Mettin D, Plaschke J, Schlegel R, Schlegel G, Melz G & Thiele V 1991 GA-insensitivity of 'Ai-bian 1a'/Pleiotropic effects of isogenic *Rht*-lines. *Annual Wheat Newsletter* 37: 59-60.
  116. Borner A, Plaschke J, Korzun V & Worland AJ 1996 The relationship between the dwarfing genes of wheat and rye. *Euphytica* 89: 69-75.
  117. Borner A, Roder MS & Korzun V 1997 Comparative molecular mapping of GA insensitive *Rht* loci on chromosomes 4B and 4D of common wheat (*Triticum aestivum*). *Theoretical and Applied Genetics* 95: 1133-1137.
  118. Bosch A, Figueiras AM, Gonzalez-Jaen MT & Benito C 1986 Leaf peroxidases - a biochemical marker for the group 2 chromosomes in the Triticinae. *Genetical Research, Cambridge* 47: 103-107.
  119. Bosch A, Vega C & Benito C 1987 The peroxidase isozymes of the wheat kernel: tissue and substrate specificity and their chromosomal location. *Theoretical and Applied Genetics* 73:

- 701-706.
120. Bougri OV, Korzun VN & Grimm B 1996 Chromosomal assignment of the genes encoding glutamyl-tRNA reductase in barley, wheat, and rye and their organization in the barley genome. *Hereditas* 124: 1-6.
  121. Boyd WJR & Lee JW 1967 The control of wheat gluten synthesis at the genome and chromosome level. *Experientia* 23: 332-333.
  122. Bozzini A 1965 Sphaerococcoid, a radiation-induced mutation in *Triticum durum* Desf. In, *Use of Induced Mutations in Plant Breeding*. Proceedings of FAO/IAEA Meeting Rome, Italy: 375-383.
  123. Bozzini A & Scarascia-Mugnozza GT 1967 The dominant short straw mutation induced by thermal neutrons in durum wheat. *Wheat Information Service* 23-24: 5-6.
  124. Branlard G & Le Blanc A 1985 Les sous-unites glutenines de haut poids moleculaire des bles tendres et des bles durs cultives en France. *Agronomie* 5: 467-477.
  125. Branlard G, Autran JC & Monneveux P 1989 High molecular weight glutenin subunit in durum wheat (*T. durum*). *Theoretical and Applied Genetics* 78: 353-358.
  126. Breiman A 1995 Personal communication.
  127. Brennan PS 1983 Hartog. *Journal of the Australian Institute of Agricultural Science* 49: 42.
  128. Brennan PS, Martin DJ, The D & McIntosh RA 1983 Torres. *Journal of the Australian Institute of Agricultural Science* 49: 47.
  129. Bressman EN 1931 Varietal resistance, physiologic specialization and inheritance studies in bunt of wheat. *Oregon Agricultural Experiment Station Bulletin* 281: 44 pp..
  130. Briggie LW 1966 Three loci in wheat involving resistance to *Erysiphe graminis* f. sp. *tritici*. *Crop Science* 6: 461-465.
  131. Briggie LW 1966 Transfer of resistance to *Erysiphe graminis* f. sp. *tritici* from Khapli emmer and Yuma durum to hexaploid wheat. *Crop Science* 6: 459-461.
  132. Briggie LW 1969 Near-isogenic lines of wheat with genes for resistance to *Erysiphe graminis* f. sp. *tritici*. *Crop Science* 9: 70-72.
  133. Briggie LW Personal communication.
  134. Briggie LW & Sears ER Linkage of resistance to *Erysiphe graminis* f. sp. *tritici* (*Pm3*) and hairy glume (*Hg*) on chromosome 1A of wheat. 1966 *Crop Science* 6: 559-561.
  135. Briggs FN 1926 Inheritance of resistance to bunt, *Tilletia tritici*, in wheat. *Journal of Agricultural Research* 32: 973-990.
  136. Briggs FN 1933 A third genetic factor for resistance to bunt, *Tilletia tritici*, in wheat hybrids. *Journal of Genetics* 27: 435-441.
  137. Briggs FN & Holton CS 1950 Reaction of wheat varieties with known genes for resistance to races of bunt, *T. caries* and *T. foetida*. *Agronomy Journal* 42: 483-486.
  138. Brinkmann H, Matinez D, Quigley F, Martin W & Cerff R 1988 Endosymbiotic origin and codon bias of the nuclear gene for chloroplast glyceraldehyde-3-phosphate dehydrogenase from maize. *Journal of Molecular Evolution* 26: 320-328.
  139. Broglie R, Coruzzi G, Lamppa G, Kieth B & Chua N-H 1983 Structural analysis of nuclear genes coding for the precursor to the small subunit of wheat ribulose-1,5-bisphosphate carboxylase. *Biotechnology* 1: 55-61.
  140. Browder LE 1972 Designation of two genes for resistance to *Puccinia recondita* in *Triticum aestivum*. *Crop Science* 12: 705-706.
  141. Browder LE 1973 Probable genotype of some *Triticum aestivum* 'Agent' derivatives for reaction to *Puccinia recondita* f. sp. *tritici*. *Crop Science* 13: 203-206.
  142. Browder LE 1973 Specificity of the *Puccinia recondita* f. sp. *tritici*: *Triticum aestivum*

- 'Bulgaria 88' relationship. *Phytopathology* 63: 524-528.
143. Browder LE 1980 A compendium of information about named genes for low reaction to *Puccinia recondita* in wheat. *Crop Science* 20: 775-779.
144. Brown AHD 1980 Genetic basis of alcohol dehydrogenase polymorphism in *Hordeum spontaneum*. *Journal of Heredity* 70: 127-128.
145. Brown AHD 1983 Barley. *Isozymes in Plant Genetics and Breeding*. Elsevier Science Publishers B.V., Amsterdam (Tanksley SD & Orton TJ eds.) Part B: 57-77.
146. Brown AHD & Jacobsen JB 1982 Genetic basis and natural variations of  $\alpha$ -amylase isozymes in barley. *Genetical Research, Cambridge* 40: 315-324.
147. Brown AHD & Munday J 1981 Population-genetic structure and optimal sampling of land races of barley from Iran. *Genetica* 58: 85-96.
148. Brown CM & Jedlinski H 1983 'Roland' wheat. *Crop Science* 23: 1013-1014.
149. Brown GN 1997 The inheritance and expression of leaf chlorosis associated with gene *Sr2* for adult plant resistance to wheat stem rust. *Euphytica* 95: 67-71.
150. Brown JWS, Kemble RJ, Law CN & Flavell RB 1979 Control of endosperm proteins in *Triticum aestivum* (var. Chinese Spring) and *Aegilops umbellulata* by homoeologous group 1 chromosomes. *Genetics* 93: 189-200.
151. Bryan GJ, Collins AJ, Stephenson P, Orry A, Smith JB & Gale MD 1997 Isolation and characterisation of microsatellites from hexaploid bread wheat. *Theoretical and Applied Genetics* 94: 557-563.
152. Bryan WE 1937 Breeding for smut resistance in Arizona-grown wheat. *Arizona Agricultural Experiment Station, Technical Bulletin* 66: 28 pp..
153. Busch R, Behrans R, Agiez A & Elakkad M 1989 Inheritance of tolerance to, and agronomic effects of, difenzoquet herbicide in spring wheat. *Crop Science* 29: 47-50.
154. Cadalen T, Boeuf C, Bernard S & Bernard M 1997 An intervarietal molecular marker map in *Triticum aestivum* L. em. Thell. and comparison with a map from a wide cross. *Theoretical and Applied Genetics* 94: 367-377.
155. Caldwell RM & Compton LE 1943 Complementary lethal genes in wheat. *Journal of Heredity* 34: 67-70.
156. Caldwell RM, Cartwright WB & Compton LE 1946 Inheritance of Hessian fly resistance derived from W38 and durum P.I.94587. *Journal of the American Society of Agronomy* 38: 398-409.
157. Caldwell RM, Gallun RL & Compton LE 1966 Genetics and expression of resistance to Hessian fly, *Phytophaga destructor* (Say). *Proceedings of the 2nd International Wheat Genetics Symposium Lund 1963* (MacKey J ed.): *Hereditas Suppl.* 2: 462-463.
158. Calonnet A & Johnson R 1998 Chromosomal location of genes for resistance to *Puccinia striiformis* in the wheat line TP1295 selected from the cross of Soissonais-Desprez with Lemhi. *European Journal of Plant Pathology* 104: 835-847.
159. Campbell AB & Czarnecki EM 1981 Benito hard red spring wheat. *Canadian Journal of Plant Science* 61: 145-146.
160. Campbell AB & McGinnis RC 1958 A monosomic analysis of stem rust reaction and awn expression in Redman wheat. *Canadian Journal of Plant Science* 38: 184-187.
161. Carbonero R 1992 Personal communication.
162. Carlson SK, Patterson FL & Gallun RL 1978 Inheritance of resistance to Hessian fly derived from *Triticum turgidum* L. *Crop Science* 18: 1011-1014.
163. Carrillo JM, Vazquez JF & Orellana J 1990 Linkage relationships between the loci *Sec 1* and *Sec 3* in rye. *Heredity* 64: 125-130.



164. Carrillo JM, Vazquez JF & Orellana J 1992 Identification and mapping of the *Gli-R3* locus on chromosome 1R of rye (*Secale cereale* L.). *Theoretical and Applied Genetics* 84: 237-241.
165. Carter MV 1954 Additional genes in *Triticum vulgare* for resistance to *Erysiphe graminis tritici*. *Australian Journal of Biological Sciences* 7: 411-414.
166. Cartwright WB & Wiebe GA 1936 Inheritance of resistance to the Hessian fly in the wheat crosses Dawson x Poso and Dawson x Big Club. *Journal of Agricultural Research* 52: 691-695.
167. Cassidy BG & Dvorak J 1991 Molecular characterization of a low-molecular-weight glutenin cDNA clone from *Triticum durum*. *Theoretical and Applied Genetics* 81: 653-660.
168. Cauderon Y, Autran JC, Joudrier P & Kobrehel K 1978 Identification de chromosomes d'*Agropyron intermedium* impliquees dans la synthese des gliadines, des beta-amylases et des peroxidases a l'aide de lignees d'addition Ble X *Agropyron*. *Annales d'Amelioration des Plantes* 28: 257-267.
169. Cauderon Y, Saigne B & Dauge M 1973 The resistance to wheat rusts of *Agropyron intermedium* and its use in wheat improvement. *Proceedings of the 4th International Wheat Genetics Symposium* (Sears ER & Sears LMS eds.) University of Missouri, Columbia, USA: 401-407.
170. Causse M, Fulton TM, Cho YG, Ahn SN, Chunwongse J, Wu K, Xiao J, Yu Z, Ronald PC, Harrington SB, Second GA, McCouch SR & Tanksley SD 1994 Saturated molecular map of the rice genome based on an interspecific backcross population. *Genetics* 138: 1251-1274.
171. Cebert E, Ohm H, Patterson F, Ratcliff R & Cambron S 1996 Genetic analysis of Hessian fly resistance in durum wheat. *Agronomy Abstracts* 88: 88.
172. Ceolini C & Galili G 1982 Chromosome arm location and mode of expression of a phosphodiesterase gene from diploid wheat *Triticum longissimum*. *Cereal Research Communications* 10: 151-157.
173. Ceoloni C 1988 Personal communication.
174. Ceoloni C, Del Signore G, Pasquini M & Testa A 1988 Transfer of mildew resistance from *Triticum longissimum* into wheat by *ph1* induced homoeologous recombination. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK* (Miller TE & Koebner RMD eds.): 221-226.
175. Chandler P 1995 Personal communication.
176. Chandler PM, Zwar JA, Jacobsen JV, Higgins TJV & Inglis AS 1984 The effects of gibberellic acid and abscisic acid on  $\alpha$ -amylase mRNA levels in barley aleurone layers studied using an  $\alpha$ -amylase cDNA clone. *Plant Molecular Biology* 3: 407-418.
177. Chantachume Y, Rathjen AJ, Paul JG & Shepherd KW 1993 Genetic studies on boron tolerance of wheat. *Focussed Plant Improvement: Towards Responsible and Sustainable Agriculture. Proceedings of the 10th Australian Plant Breeding Conference* (Imrie BC & Hacker JB eds): Volume 2.: 74-75.
178. Chao S, Raines CA, Longstaff M, Sharp PJ, Gale MD & Dyer TA 1989 Chromosomal location and copy number in wheat and some of its close relatives of genes for enzymes involved in photosynthesis. *Molecular and General Genetics* 218: 423-430.
179. Chao S, Sharp PJ & Gale MD 1988 A linkage map of wheat group 7 chromosomes using RFLP markers. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK* (Miller TE & Koebner RMD eds.): 493-498.
180. Chao S, Sharp PJ, Worland AJ, Koebner RMD & Gale MD 1989 RFLP-based genetic maps of wheat homoeologous group 7 chromosomes. *Theoretical and Applied Genetics* 78: 495-504.

181. Chen XM & Line RF 1992 Identification of stripe rust resistance genes in wheat genotypes used to differentiate North American races of *Puccinia striiformis*. *Phytopathology* 82: 1428-1434.
182. Chen XM & Line RF 1993 Inheritance of stripe rust resistance in wheat cultivars postulated to have resistance genes at *Yr3* and *Yr4* loci. *Phytopathology* 83: 382-388.
183. Chen XM, Jones SS & Line RF 1995 Chromosomal location of genes for stripe rust resistance in spring wheat cultivars Compair, Fielder, Lee and Lemhi and interactions of aneuploid wheats with races of *Puccinia striiformis*. *Phytopathology* 85: 375-381.
184. Chen XM, Jones SS & Line RF 1996 Chromosomal location of genes for resistance to *Puccinia striiformis* in seven wheat cultivars with resistance genes at the *Yr3* and *Yr4* loci. *Phytopathology* 86: 1228-1233.
185. Chen XM, Line RF & Jones SS 1994 Chromosomal location of genes for resistance to *Puccinia striiformis* in wheat cultivars Druchamp, Stephens, and Yamhill. *Phytopathology* 84: 1116.
186. Chen XM, Line RF & Jones SS 1995 Chromosomal location of genes for resistance to *Puccinia striiformis* in winter wheat cultivars Heines VII, Clement, Moro, Tyee, Tres and Daws. *Phytopathology* 85: 1362-1367.
187. Chen Z, Devey M, Tuleen NA & Hart GE 1994 Use of recombinant substitution lines in the construction of RFLP-based genetic maps of chromosomes 6A and 6B of tetraploid wheat (*Triticum turgidum* L.). *Theoretical and Applied Genetics* 89: 703-712.
188. Cheng CL, Dewdney J, Kleinhofs J & Goodman HM 1986 Cloning and nitrate induction of nitrate reductase mRNA. *Proceedings of the National Academy of Sciences, USA* 83: 6825-6828.
189. Chenicek KJ & Hart GE 1987 Identification and chromosomal locations of aconitase gene loci in Triticeae species. *Theoretical and Applied Genetics* 74: 261-268.
190. Cheung WY, Moore G, Money TA & Gale MD 1992 HpaII library indicates 'methylation-free islands' in wheat and barley. *Theoretical and Applied Genetics* 84: 739-746.
191. Chhabra AK & Sethi SK 1991 Inheritance of cleistogamous flowering in durum wheat (*Triticum durum*). *Euphytica* 55: 147-150.
192. Chilosi G & Johnson R 1990 Resistance to races of *Puccinia striiformis* in seedlings of Italian wheats and possible presence of the *Yr6* gene in some durum cultivars. *Journal of Genetics and Breeding* 44: 13-20.
193. Chin TC 1944 The inheritance of some quantitative characters in the interspecific crosses of wheat. *Chinese Journal of Science and Agriculture* 1: 204-217.
194. Chinoy CN, Devos KM, Bringle D, Gray JC, Gale MD & Dyer TA 1991 Chromosomal location of the genes for ferredoxin in wheat, barley and rye. *Theoretical and Applied Genetics* 82: 1-2.
195. Chojecki AJS & Gale MD 1982 Genetic control of glucose phosphate isomerase in wheat and related species. *Heredity* 49: 339-349.
196. Chojecki AJS, Gale MD, Holt LM & Payne PI 1983 The intrachromosomal mapping of a glucose phosphate isomerase structural gene, using allelic variation among stocks of Chinese Spring wheat. *Genetical Research, Cambridge* 41: 221-226.
197. Cholick FA, Buchenau GW & Sellers KM 1990 Registration of 'Prospect' wheat. *Crop Science* 30: 233-234.
198. Cholick FA, Hatchett JH, Steiger DK, Buchanan GW & Sellers KM 1988 Registration of 'Shield' wheat. *Crop Science* 28: 720-721.
199. Choudhuri HC 1958 The inheritance of stem and leaf rust resistance in common wheat. *Indian Journal of Genetics* 18: 90-115.

200. Christopher DA, Atsmon D & Feldman M 1985 Mode of inheritance and chromosomal allocation of stunting genes in common wheat. *Crop Science* 25: 147-151.
201. Chung YS & Griffey CA 1995 Powdery mildew resistance in winter wheat II. Identity of resistance genes. *Crop Science* 35: 383-388.
202. Churchward JG 1931 Studies on the inheritance of resistance to bunt in a cross between Florence and Hard Federation wheats. *Journal of the Royal Society of New South Wales* 64: 298-319.
203. Churchward JG 1932 Inheritance of resistance to bunt, *Tilletia tritici* (Bjerk) Winter, and other characters in certain crosses of "Florence wheat". *Proceedings of the Linnaean Society of New South Wales* 57: 133-147.
204. Churchward JG 1938 Studies on physiologic specialization of the organisms causing bunt in wheat and the genetics of resistance to this and certain other wheat diseases. Part II Genetical studies. *Journal of the Royal Society of New South Wales* 71: 547-590.
205. Ciaffi M, Lafiandra D, Porceddu E & Benedettelli S 1993 Storage-protein variation in wild emmer wheat (*Triticum turgidum* ssp. *dicoccoides*) from Jordan and Turkey. I. Electrophoretic characterization of genotypes. *Theoretical and Applied Genetics* 86: 474-480.
206. Clark JA, Quisenberry KS & Powers L 1933 Inheritance of bunt reaction and other characters in Hope wheat crosses. *Journal of Agricultural Research* 46: 413-425.
207. Clarke BC, Stancombe P, Money T, Foote T & Moore G 1992 Targeting deletion (homoeologous chromosome pairing locus) or addition line single copy sequences from cereal genomes. *Nucleic Acids Research* 20: 1289-1292.
208. Claude PP, Dyck PL & Evans LE 1986 An evaluation of 391 spring wheat introductions for resistance to stem rust and leaf rust. *Canadian Journal of Plant Pathology* 8: 132-139.
209. Close S, Kortt AA & Chandler PM 1989 A cDNA-based comparison of dehydration-induced proteins (dehydrins) in barley and corn. *Plant Molecular Biology* 13: 95-108.
210. Close TJ & Chandler PM 1990 Cereal dehydrins; serology, gene mapping and potential functional roles. *Australian Journal of Plant Physiology* 17: 333-334.
211. Coe EH & Neuffer MG 1993 Gene loci and linkage map of corn (maize) (*Zea mays*) (2N=20). In: *Genetic Maps 6*. (O'Brien SJ ed.). Cold Spring Harbor Laboratory Press, Cold Spring Harbor: 157-189.
212. Collinge D 1994 Personal communication.
213. Cone KC, Burr FA & Burr B 1986 Molecular analysis of the maize anthocyanin regulatory locus C1. *Proceedings of the National Academy of Sciences, USA* 83: 9631-9635.
214. Copp LGL 1965 Purple grain in hexaploid wheat. *Wheat Information Service* 18: 19-20.
215. Cox TS 1991 Personal communication.
216. Cox TS 1991 The contribution of introduced germplasm to the development of U.S. wheat cultivars. In: *Use of Plant Introductions in Cultivar Development, Part I*, *Crop Science Society of America Special Publication No. 17*: 25-47.
217. Cox TS & Hatchett JH 1994 Resistance gene *H26* transferred from diploid goatgrass to common wheat. *Crop Science* 34: 958-960.
218. Cox TS, Raupp WJ & Gill BS 1993 Leaf rust-resistance genes *Lr41*, *Lr42* and *Lr43* transferred from *Triticum tauschii* to common wheat. *Crop Science* 34: 339-343.
219. Cox TS, Sears RG & Gill BS 1991 Registration of KS87UP9, a winter wheat germplasm segregating for a dominant male sterility gene. *Crop Science* 31: 247.
220. Cox TS, Sears RG & Gill BS 1992 Registration of KS90WGRC10 leaf rust-resistant red winter wheat germplasm. *Crop Science* 32: 506.

221. Crosby AR 1957 Nucleolar activity of lagging chromosomes in wheat. *American Journal of Botany* 44: 813-822.
222. Curtis BC, Schlehner AM & Wood EA 1960 Genetics of greenbug (*Toxoptera graminum* Rond.) resistance in two strains of common wheat. *Agronomy Journal* 52: 599-602.
223. Curtis C & Feldman M 1988 Increased proximal recombination frequency in common wheat by premeiotic colchicine treatment. *Proceedings of the 7th International Wheat Genetics Symposium, IPSR, Cambridge, UK* (Miller TE & Koebner RMD eds.): 243-248.
224. Curtis CA & Lukaszewski AJ 1991 Genetic linkage between C-bands and storage proteins in chromosome 1B of tetraploid wheat. *Theoretical and Applied Genetics* 81: 245-252.
225. Curtis CA & Lukaszewski AJ 1993 Localization of genes in rye that restore male fertility to hexaploid wheat with *timopheevi* cytoplasm. *Plant Breeding* 111: 106-112.
226. Czarnecki EM & Lukow OM 1992 Linkage of stem rust resistance gene *Sr33* and the gliadin (*Gli-D1*) locus on chromosome 1DS. *Genome* 35: 565-568.
227. Dabrowska T 1983 Studies on chromosomal location of genes involved in beta-amylase isozymes in wheat kernels (*Triticum aestivum* L.). *Genetica Polonica* 24: 9-19.
228. De la Pena RC, Murray TD & Jones SS 1996 Linkage relations among eyespot resistance gene *Pch2*, endopeptidase *Ep-A1b* and RFLP marker *Xpsr121* on chromosome 7A of wheat. *Plant Breeding* 115: 273-275.
229. De la Pena RC, Murray TD & Jones SS 1997 Identification of an RFLP interval containing *Pch2* on chromosome 7AL in wheat. *Genome* 40: 249-252.
230. De Vallavieille-Pope C, Picard-Formerly H, Radulovic S & Johnson R 1990 Specific resistance factors to yellow rust in seedlings of some French varieties and races of *Puccinia striiformis* Westend in France. *Agronomie* 2: 103-113.
231. Dedryver F, Jubier MF, Thouvenin J & Goyeau H 1996 Molecular markers linked to the leaf rust resistance gene *Lr24* in different wheat cultivars. *Genome* 39: 830-835.
232. Delaney DE, Nasuda S, Endo TR, Gill BS & Hulbert SH 1995 Cytologically based physical maps of the group-2 chromosomes of wheat. *Theoretical and Applied Genetics* 91: 568-573.
233. Delaney DE, Nasuda S, Endo TR, Gill BS & Hulbert SH 1995 Cytologically based physical maps of the group 3 chromosomes of wheat. *Theoretical and Applied Genetics* 91: 780-782.
234. Delhaize E, Craig S, Beaton CD, Bennet RJ, Jagadish VC & Randall PJ 1993 Aluminium tolerance in wheat (*Triticum aestivum* L.) 1. Uptake and distribution of aluminum in root species. *Plant Physiology* 103: 685-693.
235. Delibes A, Del Morala J, Martin-Sanchez JA, Mejias A, Gallego M, Casado D, Sin E & Lopez-Brana I 1997 Hessian fly-resistance gene transferred from chromosome 4M<sup>V</sup> of *Aegilops ventricosa* to *Triticum aestivum*. *Theoretical and Applied Genetics* 94: 858-864.
236. Delibes A, Lopez-Brana I, Mana M & Garcia-Olmedo F 1988 Present progress in the characterization of *Triticum aestivum/Aegilops ventricosa* transfer lines. *Proceedings of the 7th International Wheat Genetics Symposium, IPSR, Cambridge, UK* (Miller TE & Koebner RMD eds.): 249-252.
237. Delibes A, Otero C & Garcia-Olmedo F 1981 Biochemical markers associated with two M<sup>V</sup> chromosomes from *Aegilops ventricosa* in wheat - *Aegilops* addition lines. *Theoretical and Applied Genetics* 60: 5-10.
238. Delibes A, Romero D, Aguaded S, Duce A, Mena M, Lopez-Brana I, Andres M-F, Martin-Sanchez JA & Garcia-Olmedo F 1993 Resistance to the cereal cyst nematode (*Heterodera avenae* Woll.) transferred from the wild grass *Aegilops ventricosa* to hexaploid wheat by a "stepping-stone" procedure. *Theoretical and Applied Genetics* 87: 402-408.
239. Demeke T, Laroche A & Gaudet DA 1996 A DNA marker for the *Bt-10* common bunt resistance gene in wheat. *Genome* 39: 51-55.

240. Deng JY & Gao ZL 1982 Discovery and determination of a dominant male-sterile gene and its importance in genetics and wheat breeding. *Scientia Sinica (Series B)* 25: 508-516.
241. DePace C, Benedettelli S, Qualset C, Hart GE, Scarascia Mugnosa GT, Delre V & Vittori D 1988 Biochemical markers in *Triticum x Dasypyrum* amphiploids and derived disomic addition lines. Proceedings of the 7th International Wheat Genetics Symposium, IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 503-510.
242. DePace C, Montebone L, Delre V, Jan CC, Qualset CO & Scarascia Mugnozza GT 1988 Biochemical versatility of amphiploids derived from crossing *Dasypyrum villosum* Candargy and wheat: genetic control and phenotypical aspects. *Theoretical and Applied Genetics* 76: 513-529.
243. Derera NF 1982 The harmful harvest rain. *Journal of the Australian Institute of Agricultural Science* 48: 67-75.
244. Duvellier E, van Ginkel M & Thizssen M 1993 Genetic analysis of resistance to bacterial leaf streak caused by *Xanthomonas campestris* pv *undulosa* in bread wheat. *Euphytica* 66: 35-43.
245. Devey ME & Hart GE 1993 Chromosomal localization of intergenomic RFLP loci in hexaploid wheat. *Genome* 36: 913-918.
246. Devos KM 1996 Personal communication.
247. Devos KM & Gale MD 1993 Extended genetic maps of the homoeologous group 3 chromosomes of wheat, rye and barley. *Theoretical and Applied Genetics* 85: 649-652.
248. Devos KM, Atkinson MD, Chinoy CN, Guiltan MJ, Quatrano RS & Gale MD 1991 Chromosomal location and variability in wheat, barley and rye of a wheat gene encoding a bZIP protein (*EmBP-1*). *Theoretical and Applied Genetics* 82: 665-667.
249. Devos KM, Atkinson MD, Chinoy CN, Harcourt RL, Koebner RMD, Liu CJ, Masojc P, Xie DX & Gale MD 1993 Chromosome rearrangements in the rye genome relative to that of wheat. *Theoretical and Applied Genetics* 85: 673-680.
250. Devos KM, Atkinson MD, Chinoy CN, Liu C & Gale MD 1992 RFLP based genetic map of the homoeologous group 3 chromosomes of wheat and rye. *Theoretical and Applied Genetics* 83: 931-939.
251. Devos KM, Atkinson MD, Chinoy CN, Lloyd JC, Raines CA, Dyer TA & Gale MD 1992 The coding sequence for sedoheptulose-1,7-bisphosphatase detects multiple homologues in wheat genomic DNA. *Theoretical and Applied Genetics* 85: 133-135.
252. Devos KM, Bryan GJ, Collins AJ, Stephenson P & Gale MD 1995 Application of two microsatellite sequences in wheat storage proteins as molecular markers. *Theoretical and Applied Genetics* 90: 247-252.
253. Devos KM, Chao S, Li QY, Simonetti MC & Gale MD 1994 Relationship between chromosome 9 of maize and wheat homoeologous group 7 chromosomes. *Genetics* 138: 1287-1292.
254. Devos KM, Chinoy CN, Atkinson MD, Hansen L, von Wettstein-Knowles P & Gale MD 1991 Chromosomal location in wheat of the genes coding for the acyl carrier proteins 1 and 111. *Theoretical and Applied Genetics* 82: 3-5.
255. Devos KM, Dubcovsky J, Dvorak J, Chinoy CN & Gale MD 1995 Structural evolution of wheat chromosomes 4A, 5A and 7B and its impact on recombination. *Theoretical and Applied Genetics* 91: 282-288.
256. Devos KM, Millan T & Gale MD 1993 Comparative RFLP maps of the homoeologous group 2 chromosomes of wheat, rye and barley. *Theoretical and Applied Genetics* 85: 784-792.
257. Dhaliwal HS, Sharma SK & Randhawa AS 1986 How to overcome hybrid necrosis in

- wheat. Wheat Information Service 61: 27-28.
258. Doan NP & Fincher GB 1988 The A-and B-chains of carboxypeptidase I from germinated barley originate from a single precursor polypeptide. *Journal of Biological Chemistry* 263: 11106-11110.
259. Dong H & Quick JS 1995 Inheritance and allelism of resistances to the Russian wheat aphid in seven wheat lines. *Euphytica* 81: 299-303.
260. Dong H, Quick JS & Zhang Y 1997 Inheritance and allelism of Russian wheat aphid resistance in several wheat lines. *Plant Breeding* 116: 449-453.
261. Doussinault G, Delibes A, Sanchez-Monge R & Garcia-Olmedo F 1983 Transfer of a dominant gene for resistance to eyespot disease from a wild grass to hexaploid wheat. *Nature* 303: 698-700.
262. D'Ovidio R & Porceddu E 1996 PCR-based assay for detecting 1B-genes for low molecular weight glutenin subunits related to gluten quality properties in durum wheat. *Plant Breeding* 115: 413-415.
263. D'Ovidio R, Masci S & Porceddu E 1995 Development of a set of oligonucleotide primers specific for genes at the *Glu-1* complex of wheat. *Theoretical and Applied Genetics* 91: 189-194.
264. D'Ovidio R, Simeone M, Masci S & Porceddu E 1997 Molecular characterization of a LMW-GS gene located on chromosome 1B and the development of primers specific for the *Glu-B3* complex locus in durum wheat. *Theoretical and Applied Genetics* 95: 1119-1126.
265. Dratewka-Kos E, Rahman S, Grzelczak ZF, Kennedy TD, Murray R & Lane BG 1989 Polypeptide structure of germin as deduced from cDNA sequencing. *Journal of Biological Chemistry* 264: 4896-4900.
266. Drefahl S & Bushbeck R 1991 Gene localization of aspartate aminotransferase and endopeptidase isozymes in wheat and rye using developmental and organ-specific patterns. *Plant Breeding* 107: 218-225.
267. Driscoll CJ 1966 Gene-centromere distances in wheat by aneuploid F2 observations. *Genetics* 54: 131-135.
268. Driscoll CJ 1975 Cytogenetic analysis of two chromosomal male-sterility mutants in hexaploid wheat. *Australian Journal of Biological Sciences* 28: 413-416.
269. Driscoll CJ Personal communication.
270. Driscoll CJ & Anderson LM 1967 Cytogenetic studies of Transec - a wheat-rye translocation line. *Canadian Journal of Genetics and Cytology* 9: 375-380.
271. Driscoll CJ & Bielig LM 1968 Mapping of the Transec wheat-rye translocation. *Canadian Journal of Genetics and Cytology* 10: 421-425.
272. Driscoll CJ & Jensen NF 1964 Chromosomes associated with waxlessness, awnedness and time of maturity of common wheat. *Canadian Journal of Genetics and Cytology* 6: 324-333.
273. Driscoll CJ & Jensen NF 1965 Release of a wheat-rye translocation stock involving leaf rust and powdery mildew resistances. *Crop Science* 5: 279-280.
274. Driscoll CJ & Sears ER 1963 The nature of a spontaneous transfer of hairy neck from rye to wheat. *Proceedings of the XI International Congress of Genetics The Hague* 1: 123.
275. Driscoll CJ & Sears ER 1965 Mapping of a wheat-rye translocation. *Genetics* 51: 439-443.
276. Dubcovsky J & Dvorak J 1995 Ribosomal RNA multigene loci: nomads of the Triticeae genomes. *Genetics* 140: 1367-1377.
277. Dubcovsky J, Echaide M, Giancola S, Rousset M, Luo MC, Joppa LR & Dvorak J 1997 Seed-storage-protein loci in RFLP maps of diploid, tetraploid, and hexaploid wheat. *Theoretical and Applied Genetics* 95: 1169-1180.

278. Dubcovsky J, Galvez AF & Dvorak J 1994 Comparison of the genetic organization of the early salt-stress responsive wheat. *Theoretical and Applied Genetics* 87: 957-964.
279. Dubcovsky J, Lijavetzky D, Appendino L, Tranquilli G & Dvorak JD 1998 Comparative RFLP mapping of *Triticum monococcum* genes controlling vernalization requirement. *Theoretical and Applied Genetics* 97: 968-975.
280. Dubcovsky J, Luo M-C & Dvorak J 1995 Differentiation between homoeologous chromosomes 1A of wheat and 1A<sup>m</sup> of *Triticum monococcum* and its recognition by the wheat *Ph1* locus. *Proceedings of the National Academy Sciences, USA* 92: 6645-6649.
281. Dubcovsky J, Luo M-C & Dvorak J 1995 Linkage relationships among stress-induced genes in wheat. *Theoretical and Applied Genetics* 91: 795-801.
282. Dubcovsky J, Luo, M-C, Zhong G-Y, Bransteitter R, Desai A, Kilian A, Kleinhofs A & Dvorak J 1996 Genetic map of diploid wheat, *Triticum monococcum* L., and its comparison with maps of *Hordeum vulgare* L. *Genetics* 143: 983-999.
283. Dubcovsky J, Santa Maria G, Epstein E, Luo M-C & Dvorak J 1996 Mapping of the K<sup>+</sup>/Na<sup>+</sup> discrimination locus *Knal* in wheat. *Theoretical and Applied Genetics* 92: 448-454.
284. Dubin HJ, Johnson R & Stubbs RW 1989 Postulated genes to stripe rust in selected CIMMYT and related wheats. *Plant Disease* 73: 472-475.
285. DuPont FM 1995 Personal communication.
286. DuToit F 1989 Inheritance of resistance in two *Triticum aestivum* lines to Russian wheat aphid (*Homoptera* : *Aphididea*). *Journal of Economic Entomology* 82: 1251-1253.
287. DuToit F, Wessels WG & Marais GF 1995 The chromosome arm location of Russian wheat aphid resistance gene *Dn5*. *Cereal Research Communications* 23: 15-17.
288. Dvorak J & Appels R 1986 Investigation of homoeologous crossing over and sister chromatid exchange in the wheat NOR-B2 locus coding for rRNA and GLI-B2 locus coding for gliadins. *Genetics* 113: 1037-1056.
289. Dvorak J & Chen KC 1984 Distribution of nonstructural variation between wheat cultivars along chromosome arm 6Bp: evidence from the linkage map and physical map of the arm. *Genetics* 106: 325-333.
290. Dvorak J & Gorham J 1992 Methodology of gene transfer by homoeologous recombination into *Triticum turgidum*: Transfer of K<sup>+</sup>/Na<sup>+</sup> discrimination from *Triticum aestivum*. *Genome* 35: 639-646.
291. Dvorak J & Knott DR 1977 Homoeologous chromatin exchange in a radiation-induced gene transfer. *Canadian Journal of Genetics and Cytology* 19: 125-131.
292. Dvorak J & Knott DR 1990 Location of a *Triticum speltoides* chromosome segment conferring resistance to leaf rust in *Triticum aestivum*. *Genome* 33: 892-897.
293. Dvorak J, Dubcovsky J, Luo MC, Devos KM & Gale MD 1995 Differentiation between wheat chromosomes 4B and 4D. *Genome* 38: 1139-1147.
294. Dvorak J, Lassner MW, Kota RS & Chen KC 1984 The distribution of the ribosomal RNA genes in the *Triticum speltoides* and *Elytrigia elongata* genomes. *Canadian Journal of Genetics and Cytology* 26: 628-632.
295. Dvorak J, Zhang H-B, Kota RS & Lassner M 1989 Organisation and evolution of the 5S ribosomal RNA gene family in wheat and related species. *Genome* 32: 1003-1016.
296. Dweikat I, Ohm H, Paterson F & Cambron S 1997 Identification of RAPD markers for 11 Hessian fly resistance genes in wheat. *Theoretical and Applied Genetics* 94: 419-423.
297. Dyck PL 1977 Genetics of leaf rust reaction in three introductions of common wheat. *Canadian Journal of Genetics and Cytology* 19: 711-716.
298. Dyck PL 1979 Identification of the gene for adult-plant leaf rust resistance in Thatcher.

- Canadian Journal of Plant Science 59: 499-501.
299. Dyck PL 1987 The association of a gene for leaf rust resistance with the chromosome 7D suppressor of stem rust resistance in common wheat. *Genome* 29: 467-469.
300. Dyck PL 1989 The inheritance of leaf rust resistance in wheat cultivars Kenyon and Buck Manantial. *Canadian Journal of Plant Science* 69: 1113-1117.
301. Dyck PL 1991 Genetics of adult plant leaf rust resistance in 'Chinese Spring' and 'Sturdy' wheats. *Crop Science* 24: 309-311.
302. Dyck PL 1992 Transfer of a gene for stem rust resistance from *Triticum araraticum* to hexaploid wheat. *Genome* 35: 788-792.
303. Dyck PL 1993 Inheritance of leaf rust and stem rust resistance in 'Roblin' wheat. *Genome* 36: 289-293.
304. Dyck PL 1993 The inheritance of leaf rust resistance in the wheat cultivar Pasqua. *Canadian Journal of Plant Science* 73: 903-906.
305. Dyck PL 1994 Genetics of leaf rust resistance in 13 accessions of the Watkins wheat collection. *Euphytica* 80: 151-155.
306. Dyck PL Personal communication.
307. Dyck PL & Friebe B 1993 Evaluation of leaf rust resistance from wheat chromosomal translocation lines. *Crop Science* 33: 687-690.
308. Dyck PL & Green GJ 1970 Genetics of stem rust resistance in wheat cultivar 'Red Bobs'. *Canadian Journal of Plant Science* 50: 229-232.
309. Dyck PL & Jedel PE 1989 Genetics of resistance to leaf rust in two accessions of common wheat. *Canadian Journal of Plant Science* 69: 531-534.
310. Dyck PL & Johnson R 1988 Resistance to the leaf rust or brown rust pathogen (*Puccinia recondita*) due to *Lr20* and its temperature sensitivity in European spring wheats. *Proceedings of the 7th European and Mediterranean Cereal Rusts Conference Vienna, Austria* (Zwatz B. ed.): 91-93.
311. Dyck PL & Kerber ER 1970 Inheritance in hexaploid wheat of adult-plant leaf rust resistance derived from *Aegilops squarrosa*. *Canadian Journal of Genetics and Cytology* 12: 175-180.
312. Dyck PL & Kerber ER 1971 Chromosome location of three genes for leaf rust resistance in common wheat. *Canadian Journal of Genetics and Cytology* 13: 480-483.
313. Dyck PL & Kerber ER 1977 Chromosome location of gene *Sr29* for reaction to stem rust. *Canadian Journal of Genetics and Cytology* 19: 371-373.
314. Dyck PL & Kerber ER 1977 Inheritance of leaf rust resistance in wheat cultivars Rafaela and EAP 26127 and chromosome location of gene *Lr17*. *Canadian Journal of Genetics and Cytology* 19: 355-358.
315. Dyck PL & Kerber ER 1981 Aneuploid analysis of a gene for leaf rust resistance derived from the common wheat cultivar Terenzio. *Canadian Journal of Genetics and Cytology* 23: 405-409.
316. Dyck PL & Lukow OM 1988 The genetic analysis of two interspecific sources of leaf rust resistance and their effect on the quality of common wheat. *Canadian Journal of Plant Science* 68: 633-639.
317. Dyck PL & Samborski DJ 1968 Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakoff and Centenario. *Canadian Journal of Genetics and Cytology* 10: 7-17.
318. Dyck PL & Samborski DJ 1968 Host-parasite interactions involving two genes for leaf rust resistance in wheat. *Proceedings of the 3rd International Wheat Genetics Symposium*



- Australian Academy of Science, Canberra (Findlay KW & Shepherd KW eds.): 245-250.
319. Dyck PL & Samborski DJ 1970 The genetics of two alleles for leaf rust resistance at the *Lr14* locus in wheat. *Canadian Journal of Genetics and Cytology* 8: 689-694.
320. Dyck PL & Samborski DJ 1974 Inheritance of virulence in *Puccinia recondita* of alleles at the *Lr2* locus for resistance in wheat. *Canadian Journal of Genetics and Cytology* 16: 323-332.
321. Dyck PL & Samborski DJ 1982 The inheritance of resistance to *Puccinia recondita* in a group of common wheat cultivars. *Canadian Journal of Genetics and Cytology* 24: 273-283.
322. Dyck PL & Sykes EE 1994 Genetics of leaf-rust resistance in three spelt wheats. *Canadian Journal of Plant Science* 74: 231-233.
323. Dyck PL & Sykes EE 1995 The inheritance of stem rust and leaf rust resistance in some Ethiopian wheat cultivars. *Euphytica* 81: 291-297.
324. Dyck PL, Kerber ER & Aung T 1994 An interchromosomal reciprocal translocation in wheat involving leaf rust resistance gene *Lr34*. *Genome* 37: 556-559.
325. Dyck PL, Kerber ER & Lukow OM 1987 Chromosome location and linkage of a new gene (*Lr33*) for reaction to *Puccinia recondita*. *Genome* 29: 463-466.
326. Dyck PL, Samborski DJ & Anderson RG 1966 Inheritance of adult plant leaf rust resistance derived from the common wheat varieties Exchange and Frontana. *Canadian Journal of Genetics and Cytology* 8: 665-671.
327. Dyck PL, Samborski DJ & Martens JW 1985 Inheritance of resistance to leaf rust and stem rust in the wheat cultivar Glenlea. *Canadian Journal of Plant Pathology* 7: 351-354.
328. Eastwood RF, Lagudah ES & Appels R 1994 A directed search for DNA sequences, tightly linked to cereal cyst nematode resistance genes in *Triticum tauschii*. *Genome* 37: 311-319.
329. Eastwood RF, Lagudah ES, Halloran GM, Brown JS, Kollmorgan JF & Appels R 1993 Resistance to cereal cyst nematode in *Triticum tauschii*. In *Focussed Plant Improvement: Towards Responsible and Sustainable Agriculture*, Proceedings of the 10th Australian Plant Breeding Conference, Gold Coast 1993 (Imrie BC and Hacker JB ed): Volume 2.: 7-18.
330. Eizenga GC 1987 Locating the *Agropyron* segment in wheat-*Agropyron* transfer no. 12. *Genome* 29: 365-366.
331. El-Bedewy R & Robbelen G 1982 Chromosomal location and change of dominance of a gene for resistance against yellow rust, *Puccinia striiformis* West., in wheat, *Triticum aestivum* L. *Zeitschrift fur Pflanzenzuchtung* 89: 145-157.
332. Elkeles A, Devos KM, Graur D, Zizi M & Breiman A 1995 Multiple cDNAs of wheat voltage-dependent anion channels (VDAC): Isolation, differential expression, mapping and evolution. *Plant Molecular Biology* 29: 109-124.
333. Endo TR 1979 On the *Aegilops* chromosome having gametocidal action on common wheat. Proceedings of the 5th International Wheat Genetics Symposium, New Delhi, 1978 (Ramanujam S ed.): 306-314.
334. Endo TR 1982 Gametocidal chromosomes of three *Aegilops* species in common wheat. *Canadian Journal of Genetics and Cytology* 24: 201-206.
335. Endo TR 1985 Two types of gametocidal chromosomes of *Aegilops sharonensis* and *Ae. longissima*. *Japanese Journal of Genetics* 60: 125-135.
336. Endo TR 1988 Induction of chromosome structural changes by a chromosome of *Aegilops cylindrica* L. in common wheat. *Journal of Heredity* 79: 366-370.
337. Endo TR & Katayama Y 1978 Finding a selectively retained chromosome of *Aegilops caudata* L. in common wheat. *Wheat Information Service* 47-48: 32-35.
338. Endo TR & Tsunewaki K 1975 Sterility of common wheat with *Aegilops triuncialis*

- cytoplasm. *Journal of Heredity* 66: 13-18.
339. Erpelding JE, Blake NK, Blake TK & Talbert LE 1996 Transfer of sequence tagged site PCR markers between wheat and barley. *Genome* 39: 802-810.
340. Espelund M, Saeboe-Larssen S, Hughes DW, Galau GA, Larsen F & Jakobsen KS 1992 Late embryogenesis-abundant genes encoding proteins with different numbers of hydrophilic repeats are regulated differentially by abscisic acid and osmotic stress. *The Plant Journal* 2: 241-252.
341. Everson EH, Freed RD, Zwer PK, Morrison LW, Marchetti BL, Clayton JL, Gallun RL & Yamazaki WT 1986 Registration of 'Frankenmuth' wheat. *Crop Science* 26: 202-203.
342. Ezzahiri B & Roelfs AP 1989 Inheritance and expression of adult plant resistance to leaf rust in Era wheat. *Plant Disease* 73: 549-551.
343. Falk DE & Kasha KJ 1983 Genetic studies on the crossability of hexaploid wheat with rye and *Hordeum bulbosum*. *Theoretical and Applied Genetics* 64: 303-307.
344. Faris JD 1996 *Tsc1* for tan spot resistance. Personal communication.
345. Faris JD 1997 Personal communication.
346. Faris JD, Anderson JA, Francl LJ & Jordahl JG 1996 Chromosomal location of a gene conditioning insensitivity in wheat to a necrosis-inducing culture filtrate from *Pyrenophora tritici-repentis*. *Phytopathology* 86: 459-463.
347. Favret EA 1979 Personal communication.
348. Favret EA & Vallega J 1954 (Genetics of resistance to *Erysiphe graminis* in wheat.). Review of Investigative Agriculture, Buenos Aires 8: 105-110. Cited *Plant Breeding Abstracts* 26: 1174, p. 203.
349. Fedak G & Yui PY 1982 Chromosomes of Chinese Spring wheat carrying genes for crossability with Betzes barley. *Canadian Journal of Genetics & Cytology* 24: 227-233.
350. Felix I, Martinant JP, Bernard M & Bernard S 1996 Genetic characterization of storage proteins in a set of F<sub>1</sub>-derived haploid lines in bread wheat. *Theoretical and Applied Genetics* 92: 340-346.
351. Fernandez de Caleyra R, Hernandez-Lucas C, Carbonera P & Garcia-Olmedo F 1976 Gene expression in allopolyploids: genetic control of lipopurothionins in wheat. *Genetics* 83: 687-699.
352. Fernandez JA & Jouve N 1987 Chromosomal location of structural genes controlling isozymes in *Hordeum chilense*.1. 6-Phosphogluconate dehydrogenase and malate dehydrogenase. *Theoretical and Applied Genetics* 73: 433-439.
353. Fernandez JA & Jouve N 1987 Chromosomal location of structural genes controlling isozymes in *Hordeum chilense*.3. Esterases, glutamate oxaloacetate transaminase and phosphoglucomutase. *Theoretical and Applied Genetics* 73: 690-698.
354. Feuillet C, Messmer M, Schachermayr G & Keller B 1995 Genetic and physical characterisation of the *Lr1* leaf rust resistance locus in wheat (*Triticum aestivum* L.). *Molecular and Genetical Genetics* 248: 553-562.
355. Feuillet C, Schachermayr G & Keller B 1997 Molecular cloning of a new receptor-like kinase gene encoded at the *Lr10* disease resistance locus of wheat. *The Plant Journal* 11: 45-52.
356. Feuillet C, Schachermayr GM & Keller B 1997 Molecular cloning of a new receptor-like kinase gene encoded at the *Lr10* disease resistance locus of wheat. *The Plant Journal* 11: 45-52.
357. Fick GN & Qualset CO 1973 Genes for dwarfness in wheat, *Triticum aestivum* L. *Genetics* 75: 531-539.
358. Fick GN & Qualset CO 1973 Inheritance and distribution of grass-dwarfing genes in short-

- statured wheats. *Crop Science* 13: 31-33.
359. Fick GN & Qualset CO 1975 Genetic control of endosperm amylase activity and gibberellic acid responses in standard-height and short-statured wheats. *Proceedings of the National Academy of Sciences, USA* 72: 892-895.
360. Figueiras AM, Elorrieta MA & Benito C 1991 Genetic and cytogenetic maps of chromosomes 1R, 4R and 7R in cultivated rye (*Secale cereale*). *Genome* 34: 681-685.
361. Figueiras AM, Gonzalez-Jaen MT & Benito C 1986 Biochemical evidence of homoeology between *Triticum aestivum* and *Agropyron intermedium* chromosomes. *Theoretical and Applied Genetics* 72: 826-832.
362. Figueiras AM, Zaragoza C, Gallego FJ & Benito C 1991 NADH dehydrogenase a new molecular marker for homoeology group 4 in Triticeae. A map of the 4RS chromosome arm in rye. *Theoretical and Applied Genetics* 83: 169-172.
363. Fincher G 1991 Personal communication.
364. Fisher J Personal communication.
365. Fitzgerald PM, Caldwell RM & Nelson OE 1957 Inheritance of resistance to certain races of leaf rust in wheat. *Agronomy Journal* 49: 539-543.
366. Flavell RB & O'Dell M 1976 Ribosomal RNA genes on homoeologous chromosomes of group 5 and 6 in hexaploid wheat. *Heredity* 37: 377-385.
367. Flavell RB & Smith DB 1974 The role of homoeologous group 1 chromosomes in the control of rRNA genes in wheat. *Biochemical Genetics* 12: 271-279.
368. Fletcher RJ 1983 Takari. *Journal of the Australian Institute of Agricultural Science* 49: 46.
369. Fletcher RJ & McIntosh RA 1971 Unpublished.
370. Flintham JE & Humphray SJ 1993 Red coat genes and wheat dormancy. *Annals of Applied Biology* 36: 135-141.
371. Flintham JE, Borner A, Worland AJ & Gale MD 1997 Optimising wheat grain yield: effects of *Rht* (gibberellin-insensitive) dwarfing genes. *Journal of Agricultural Science* 128: 11-25.
372. Forde BG, Kreis M, Williamson MS, Fry RP, Pywell J, Shewry PR, Bunce N & Mifflin BJ 1985 Short tandem repeats shared by B- and C-hordein cDNAs suggest a common evolutionary origin for two groups of cereal storage protein genes. *EMBO Journal* 4: 9-15.
373. Forde J, Malpica JM, Halford NG, Shewry PR, Anderson OD, Greene FC & Mifflin BJ 1985 The nucleotide sequence of an HMW glutenin subunit gene located on chromosome 1A of wheat (*Triticum aestivum* L.). *Nucleic Acids Research* 13: 6817-6832.
374. Forster BP, Reader SM, Forsyth SA, Koebner RMD, Miller TE, Gale MD & Cauderon Y 1987 An assessment of the homoeology of six *Agropyron intermedium* chromosomes added to wheat. *Genetical Research, Cambridge* 50: 91-97.
375. Foster JE, Gallun RL, Patterson FL & Ohm HW 1987 Registration of common wheat germplasm resistant to Hessian fly. *Crop Science* 27: 374.
376. Frankel OH 1950 A polymeric multiple gene change in hexaploid wheat. *Heredity* 4: 103-116.
377. Frankel OH & Roskams M 1975 Stability of floral differentiation in *Triticum*. *Proceedings of the Royal Society of London, B*. 188: 139-162.
378. Frankel OH, Shineberg B & Munday A 1969 The genetic basis of an invariant character in wheat. *Heredity* 24: 571-591.
379. Friebe B 1992 Personal communication.
380. Friebe B 1994 Personal communication.
381. Friebe B, Gill BS, Cox TS & Zeller FJ 1993 Registration of KS91WGRC14 stem rust and powdery mildew resistant T1BL.1RS durum wheat germplasm. *Crop Science* 33: 220.

382. Friebe B, Gill BS, Tuleen NA & Cox TS 1994 Registration of KS93WGRC28 powdery mildew resistant 6BS.6RL hard red winter wheat germplasm. *Crop Science* 35: 1237.
383. Friebe B, Hatchett JH, Sears RG & Gill BS 1990 Transfer of Hessian fly resistance from 'Chaupan' rye to hexaploid wheat via a 2BS-2RL wheat rye chromosome translocation. *Theoretical and Applied Genetics* 79: 385-389.
384. Friebe B, Hatchett JM, Gill BS, Mukai Y & Sebesta EE 1991 Transfer of Hessian fly resistance from rye to wheat via radiation-induced terminal and intercalary chromosomal translocations. *Theoretical and Applied Genetics* 83: 33-40.
385. Friebe B, Heun M & Bushuk W 1989 Cytological characterization, powdery mildew resistance and storage protein composition of tetraploid and hexaploid 1BL/1RS wheat-rye translocation lines. *Theoretical and Applied Genetics* 78: 425-432.
386. Friebe B, Heun M, Tuleen N, Zeller FJ & Gill BS 1994 Cytogenetically monitored transfer of powdery mildew resistance from rye into wheat. *Crop Science* 34: 621-625.
387. Friebe B, Jellen EN & Gill BS 1996 Verification of the identity of the Chinese Spring ditelosomic stocks Dt7DS and Dt7DL. *Wheat Information Service* 83: 31-32.
388. Friebe B, Jiang J, Knott DR & Gill BS 1994 Compensation indices of radiation-induced wheat-*Agropyron elongatum* translocations conferring resistance to leaf rust and stem rust. *Crop Science* 34: 400-404.
389. Friebe B, Jiang J, Raupp WJ, McIntosh RA & Gill BS 1996 Characterization of wheat-alien translocations conferring resistance to diseases and pests: current status. *Euphytica* 91: 59-87.
390. Friebe B, Jiang JM, Gill BS & Dyck PL 1993 Radiation-induced nonhomoeologous wheat-*Agropyron intermedium* chromosomal translocations conferring resistance to leaf rust. *Theoretical and Applied Genetics* 86: 141-149.
391. Friebe B, Mukai Y, Dhaliwal HS, Martin TJ & Gill BS 1991 Identification of alien chromatin specifying resistance to wheat streak mosaic and greenbug in wheat germplasm by C-banding and in situ hybridization. *Theoretical and Applied Genetics* 81: 381-389.
392. Friebe B, Zeller FJ, Mukai Y, Forster BP, Bartos P & McIntosh RA 1992 Characterization of wheat-*Agropyron intermedium* derivatives carrying resistance against leaf, stripe and stem rust by C-banding, in situ hybridization and isozyme analysis. *Theoretical and Applied Genetics* 83: 775-782.
393. Fu TK & Sears ER 1973 The relationships between chiasmata and crossing over in *Triticum aestivum*. *Genetics* 75: 231-246.
394. Fuentes-Davila G, Rajaram S & Singh G 1995 Inheritance of resistance to Karnal bunt (*Tilletia indica* Mitra) in bread wheat (*Triticum aestivum* L.). *Plant Breeding* 114: 250-252.
395. Futers TS, Vaughan TJ, Sharp PJ & Cuming AC 1990 Molecular cloning and chromosomal location of genes encoding the 'Early-methionine-labelled' (Em) polypeptide of *Triticum aestivum* L. var. Chinese Spring. *Theoretical and Applied Genetics* 80: 43-48.
396. Gaines EF & Carstens A 1926 The linkage of pubescent node and beard factors as evidenced by a cross between two varieties of wheat. *Journal of Agricultural Research* 33: 753-755.
397. Gaines EF & Smith WK 1933 Reaction of varieties and hybrids of wheat to physiologic forms of bunt. *Journal of the American Society of Agronomy* 25: 273-284.
398. Gale MD 1983 Alpha-amylase genes in wheat. *Proceedings of the Third International Symposium on Pre-harvest Sprouting in Cereals*. Westview Press, Boulder, USA (Kruger JE & LaBerge DE eds.) 273-284.
399. Gale MD 1993 Personal communication.
400. Gale MD 1993 Personal communication.

401. Gale MD & Flavell RB 1971 The genetic control of anthocyanin biosynthesis by homoeologous chromosomes in wheat. *Genetical Research, Cambridge* 18: 237-244.
402. Gale MD & King RW 1988 Semi-dwarf genes in Australian wheats. *Agricultural Science* 1: 18-20.
403. Gale MD & Law CN 1976 The identification and exploitation of Norin 10 semi-dwarfing genes. *Annual Report of the Plant Breeding Institute, Cambridge* 21-35.
404. Gale MD & Marshall GA 1973 Insensitivity to gibberellin in dwarf wheats. *Annals of Botany* 37: 729-735.
405. Gale MD & Marshall GA 1975 The nature and genetic control of gibberellin insensitivity in dwarf wheat grain. *Heredity* 35: 55-65.
406. Gale MD & Marshall GA 1976 The chromosomal location of *Gail* and *Rht1*, genes for gibberellin insensitivity and semi-dwarfism, in a derivative of Norin 10 wheat. *Heredity* 37: 283-289.
407. Gale MD & Marshall GA 1978 A classification of the Norin 10 and Tom Thumb dwarfing genes in hexaploid bread wheat. *Proceedings of the 5th International Wheat Genetics Symposium New Delhi, India (Ramanujam S ed.):* 995-1001.
408. Gale MD & Youssifian S 1983 Pleiotropic effects of the Norin 10 dwarfing genes *Rht1* and *Rht2* and interactions in response to chlormequat. *Proceedings of the 6th International Wheat Genetics Symposium Kyoto, Japan (Sakamoto S ed.):* 271-277.
410. Gale MD, Atkinson MD, Chinoy CN, Harcourt RL, Jia J, Li QY & Devos KM 1995 Genetic maps of hexaploid wheat. *Proceedings 8th International Wheat Genetics Symposium (Li ZS, Xin ZY eds.)*. China Agricultural Sciencetech Press, Beijing: 29-40.
411. Gale MD, Law CN & Worland AJ 1975 The chromosomal location of a major dwarfing gene from Norin 10 in new British semi-dwarf wheats. *Heredity* 35: 417-421.
412. Gale MD, Law CN, Chojecki AJ & Kempton RA 1983 Genetic control of alpha-amylase production in wheat. *Theoretical and Applied Genetics* 64: 309-316.
413. Gale MD, Law CN, Marshall GA & Worland AJ 1975 The genetic control of gibberellic acid insensitivity and coleoptile length in a 'dwarf' wheat. *Heredity* 34: 393-399.
414. Gale MD, Law CN, Marshall GA, Snape JW & Worland AJ 1982 The analysis and evaluation of semi-dwarfing genes in wheat, including a major height-reducing gene in the variety "Sava". *IAEA Tecdoc: Semi-dwarf Cereal Mutants and Their Use in Cross Breeding* 268: 7-23.
415. Gale MD, Marshall GA & Rao MV 1981 A classification of the Norin 10 and Tom Thumb dwarfing genes in British, Mexican, Indian and other hexaploid bread wheat varieties. *Euphytica* 30: 355-361.
416. Gale MD, Marshall GA, Gregory RS & Quick JS 1981 Norin 10 semi-dwarfism in tetraploid wheat and associated effects on yield. *Euphytica* 30: 347-354.
417. Gale MD, Scott PR, Law CN, Ainsworth CC, Hollins TW & Worland AJ 1984 An alpha-amylase gene from *Aegilops ventricosa* transferred to bread wheat together with a factor for eyespot resistance. *Heredity* 52: 431-435.
418. Galiba G, Quarrie SA, Sutka J, Morgounov A & Snape JW 1995 RFLP mapping of the vernalization (*Vrn1*) and frost resistance (*Fr1*) genes on chromosome 5A of wheat. *Theoretical and Applied Genetics* 90: 1174-1179.
419. Galiba G, Quarrie SA, Sutka J, Morgunov A & Snape JW 1995 RFLP mapping of the vernalisation (*Vrn1*) and frost resistance (*Fr1*) genes on chromosome 5A of wheat. *Theoretical and Applied Genetics* 90: 1174-1179.
420. Galili G & Feldman M 1983 Genetic control of endosperm proteins in wheat 2. Variation in high-molecular-weight glutenin and gliadin subunits of *Triticum aestivum*. *Theoretical and*

- Applied Genetics 66: 77-86.
421. Galili G & Feldman M 1984 A deficiency of the rapidly migrating high molecular weight glutenin subunit D5 in common wheat. *Cereal Research Communications* 12: 259-261.
422. Galili G & Feldman M 1984 Mapping of glutenin and gliadin genes located on chromosome 1B of common wheat. *Molecular and General Genetics* 193: 293-298.
423. Galili S, Galili G & Feldman M 1991 Chromosomal location of genes for Rubisco small subunit and Rubisco-binding protein in common wheat. *Theoretical and Applied Genetics* 81: 98-104.
424. Gallagher LW, Soliman KM, Qualset CO, Huffaker RC & Rains DW 1980 Major gene control of nitrate reductase activity in common wheat. *Crop Science* 20: 717-721.
425. Gallun RL & Patterson FL 1977 Monosomic analysis of wheat for resistance to Hessian fly. *Journal of Heredity* 68: 223-226.
426. Gallun RL & Reitz LP 1972 Wheat cultivars resistant to races of Hessian fly. United States Department of Agriculture, Agricultural Research Station., Production Research Report 134: 16pp.
427. Garcia-Maroto F, Marana C, Montana M, Garcia-Olmedo F & Carbonero P 1990 Cloning of cDNA and chromosomal location of genes encoding the three types of subunits of the wheat tetrameric inhibitor of insect  $\alpha$ -amylase. *Plant Molecular Biology* 14: 845-853.
428. Garcia-Olmedo F 1968 Genetics of synthesis of beta-sitosterol esters in wheat and related species. *Nature* 220: 1144-1145.
429. Gautier MF & Joudrier P 1998 Personal communication.
430. Gautier MF, Alary R & Joudrier P 1990 Cloning and characterisation of a cDNA encoding the wheat (*Triticum durum* Desf.) CM16 protein. *Plant Molecular Biology* 14: 313-322.
431. Gerechter-Amitai ZK & Grama A 1974 Inheritance of resistance to stripe rust (*Puccinia striiformis*) in crosses between wild emmer (*Triticum dicoccoides*) and cultivated tetraploid and hexaploid wheats, I. *Triticum durum*. *Euphytica* 23: 387-392.
432. Gerechter-Amitai ZK, van Silfhout CH, Grama A & Kleitman F 1989 *Yr15*-a new gene for resistance to *Puccinia striiformis* in *Triticum dicoccoides* sel. G-25. *Euphytica* 43: 187-190.
433. Gerlach WL & Bedbrook JR 1979 Cloning and characterisation of ribosomal RNA genes from wheat and barley. *Nucleic Acids Research* 7: 1869-1886.
434. German SE & Kolmer JA 1992 Effect of *Lr34* in the enhancement of resistance to leaf rust of wheat. *Theoretical and Applied Genetics* 84: 97-105.
435. Gfeller F & Svejda F 1960 Inheritance of post-harvest seed dormancy and kernel colour in spring wheat lines. *Canadian Journal of Plant Science* 40: 1-6.
436. Gfeller F & Whiteside AGO 1961 Inheritance of quality as related to agronomic characters in advanced lines of a spring wheat cross. *Canadian Journal of Plant Science* 41: 604-617.
437. Ghosh S, Sikka SM & Rao MV 1958 Inheritance studies in wheat IV. Inheritance of rust resistance and other characters. *Indian Journal of Genetics* 18: 142-162.
438. Gilchrist JA & Sorrells ME 1983 Inheritance of kernel colour in 'Charcoal' wheat. *Journal of Heredity* 73: 457-460.
439. Gill BS 1993 Molecular cytogenetic analysis in wheat. *Crop Science* 33: 902-908.
440. Gill BS, Friebe B, Wilson DL, Martin DJ & Cox TS 1995 Registration of KS93WRC27 wheat streak mosaic virus resistant T4DL.4Ai#2S wheat germplasm. *Crop Science* 35: 1236-1237.
441. Gill BS, Hatchett JH & Raupp WJ 1987 Chromosomal mapping of Hessian fly resistance gene *H13* in the D genome of wheat. *Journal of Heredity* 78: 97-100.
442. Gill BS, Wilson DL, Raupp JH, Cox TS, Amri A & Sears RG 1991 Registration of

- KS89WGRC3 and KS89WGRC6 Hessian fly-resistant hard red winter wheat germplasm. *Crop Science* 31: 245.
443. Gill KS & Gill BS 1996 A PCR-based screening assay of *Ph1*, the chromosome pairing regulator gene of wheat. *Crop Science* 36: 719-722.
444. Gill KS, Gill BS & Endo TR 1993 A chromosome region-specific mapping strategy reveals gene-rich telomeric ends in wheat. *Chromosoma* 102: 374-381.
445. Gill KS, Gill BS, Endo T & Taylor T 1996 Identification and high-density mapping of gene-rich regions in chromosome group 1 of wheat. *Genetics* 144: 1883-1891.
446. Gill KS, Gill BS, Endo TR & Boyko EV 1996 Identification and high-density mapping of gene-rich regions in chromosome group 5 of wheat. *Genetics* 143: 1001-1012.
447. Gill KS, Gill BS, Endo TR & Mukai Y 1993 Fine physical mapping of *Ph1*, a chromosome pairing regulator gene in polyploid wheat. *Genetics* 134: 1231-1236.
448. Gill KS, Lubbers EL, Gill BS, Raupp WJ & Cox TS 1991 A genetic linkage map of *Triticum tauschii* (DD) and its relationship to the D genome of bread wheat (AABBDD). *Genome* 34: 362-374.
449. Giorgi B 1983 Origin, behaviour and utilization of a *Ph1* mutant of durum wheat, *Triticum turgidum* (L.) var. durum. Proceedings of the 6th International Wheat Genetics Symposium Kyoto, Japan (Sakamoto S ed.): 1033-1040.
450. Giorgi B & Mosconi C 1982 Short-straw mutants and other dwarfing gene sources used for the improvement of wheats and barley in Italy. IAEA Tecdoc: Semi-dwarf Cereal Mutants and Their Use in Cross-breeding 268: 53-64.
451. Giorgi B, Barbera F, Bitti O & Cavicchioni G 1984 Field performance of F3 progenies from a durum wheat involving two different semidwarfing genes: *Rht1* and *Sd* mutation. IAEA Tecdoc: Semi-dwarf Cereal Mutants and Their Use in Cross-breeding II 307: 91-95.
452. Giroux MJ & Morris CF 1997 A glycine to serine change in puroindoline b is associated with wheat grain hardness and low levels of starch-surface friabilin. *Theoretical and Applied Genetics* 95: 857-864.
453. Goldmark P, Curry J, Morris CG & Walker-Simmons MK 1992 Cloning and expression of an embryo-specific mRNA up-regulated in hydrated dormant seeds. *Plant Molecular Biology* 19: 433-441.
454. Golenberg EM 1986 Chromosomal location of peptidase, PEPT-1, genes in *Triticum aestivum* var. Chinese Spring. *Genetical Research, Cambridge* 48: 19-20.
455. Gomez L, Sanchez-Monge R & Salcedo G 1988 A family of endosperm globulins encoded by genes located in group 1 chromosomes of wheat and related species. *Molecular and General Genetics* 214: 541-546.
456. Goncharov NP & Konovalov AA 1996 Inheritance of glucose phosphate isomerase, awnedness, hairy glume, and growth habit in *Aegilops speltoides* and *Aegilops aucheri*. *Russian Journal of Genetics (Eng vers)* 32(5): 571-576.
457. Goncharov NP, Konovalov AA & Chikida NN 1997 Genetic variation at the *GPI-1* loci among *Aegilops* and *Triticum* genera and phylogeny of polyploid wheat. *Zhurnal Obshchei Biologii* 58(2): 75-79.
458. Goncharov NP, Konovalov AA, Gaidalenok RF, Goryachkovskaya TN, Tseveleva ON, Pel'tek SE, Litkovskaya NP & Khristov YA 1997 Genetic mapping of the short arm of chromosome 1B in common wheat cultivar Salmon. *Russian Journal of Genetics (Eng vers)* 33(4): 387-392.
459. Gornicki P, Faris J, King I, Podkowinski J, Gill B & Haselkorn R 1998 Plastid-localized acetyl-CoA carboxylase of bread wheat is encoded by a single gene on each of the three ancestral chromosome sets. *Proceedings of the National Academy of Sciences, USA* 94:

- 14179-14184.
460. Gotoh T 1979 Genetic studies on growth habit of some important spring wheat cultivars in Japan, with special reference to the identification of the spring genes involved. *Japanese Journal of Breeding* 29: 133-145.
461. Gotoh T 1980 Gene analysis of the degree of vernalisation requirement in winter wheat. *Japanese Journal of Breeding* 30: 1-10.
462. Graham RD 1978 Nutrient efficiency objectives in cereal breeding. *Plant Nutrition Proceedings of the 8th International Colloquium on Plant Analysis and Fertilizer Problems, Auckland, NZ* 165-170.
463. Graham RD 1984 Breeding for nutritional characteristics in cereals. *Advances in Plant Nutrition* 1: 57-102.
464. Graham RD, Asher JS, Ellis PAE & Shepherd KW 1987 Transfer to wheat of the copper efficiency factor carried on rye chromosome 5RL. *Plant and Soil* 99: 107-114.
465. Graham WD Jr., Gambrell RH & Myers CW 1996 Registration of Clemson 201 soft red winter wheat. *Crop Science* 36: 468.
466. Grama A & Gerechter-Amitai ZK 1974 Inheritance of resistance to stripe rust (*Puccinia striiformis*) in crosses between wild emmer (*Triticum dicoccoides*) and cultivated tetraploid and hexaploid wheats II. *Triticum aestivum*. *Euphytica* 23: 393-398.
467. Graner A, Jahoor A, Schondelmaier J, Siedler H, Pillen K, Fischbeck G, Wenzel G & Herrmann RG 1991 Construction of an RFLP map of barley. *Theoretical and Applied Genetics* 83: 250-256.
468. Green GJ, Knott DR, Watson IA & Pugsley AT 1960 Seedling reactions to stem rust of lines of Marquis wheat with substituted genes for rust resistance. *Canadian Journal of Plant Science* 40: 524-538.
469. Green R 1991 Isolation and characterisation of genes induced in barley during powdery mildew infection. PhD thesis, Cambridge University.
470. Greenwell P & Schofield JD 1989 The chemical basis of grain hardness and softness. *Proceedings of International Cereal Chemistry Conference, University of Helsinki, Finland*: 59-72.
471. Guiltan MJ, Marcotte WRJ & Quatrano RS 1990 A plant leucine zipper protein that recognizes an abscisic acid response element. *Science* 250: 267-271.
472. Gulick PJ & Dvorak J 1990 Selective enrichment of cDNAs from salt-stress-induced genes in the wheatgrass, *Lophopyrum elongatum*, by the formamide-phenol emulsion reassociation technique. *Gene* 95: 173-177.
473. Gulli M, Maestri E, Hartings H, Raho G, Perrotta C, Devos KM & Marmioli N 1995 Isolation and characterization of abscisic acid inducible genes in barley seedlings and their responsiveness to environmental stress. *Plant Physiology (Life Science Advances)* 14: 89-96.
474. Gulyaeva JB 1984 Localization of the genes for pubescence of the glumes and coloration of the auricles in the leaf sheath in winter wheat variety Ulyanovka. *Trudy po Prikladnoi Botanike, Genetikei Seleksii* 85: 85-86.
475. Gupta N & Swaminathan MS 1967 An induced sphaerococcoid mutant in *Triticum dicoccum*. *Current Science* 36: 19.
476. Gupta RB 1989 Low-molecular-weight subunits of glutelin in wheat and related species: their characterization, genetics, and relation to bread-making quality. PhD Thesis, University of Adelaide, Australia
477. Gupta RB & Shepherd KW 1987 Interaction between genes controlling a new group of glutenin subunits in bread wheat. *Theoretical and Applied Genetics* 74: 459-465.
478. Gupta RB & Shepherd KW 1988 Inheritance of novel high-molecular-weight glutenin



- subunits in the Tunisian bread wheat BT-2288. *Genome* 30: 442-445.
479. Gupta RB & Shepherd KW 1988 Low-molecular weight glutenin subunits in wheat; their variation inheritance and association with bread-making quality. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 943-949.*
480. Gupta RB & Shepherd KW 1990 Two-step one-dimensional SDS-PAGE analysis of LMW subunits of glutelin.2. Genetic control of the subunits in species related to wheat. *Theoretical and Applied Genetics* 80: 183-187.
481. Gupta RB & Shepherd KW 1990 Two-step one-dimensional SDS-PAGE analysis of LMW subunits of glutelin.1. Variation and genetic control of the subunits in hexaploid wheats. *Theoretical and Applied Genetics* 80: 65-74.
482. Gupta RB & Shepherd KW 1993 Production of multiple wheat-rye 1RS translocation stocks and genetic analysis of LMW subunits of glutenin and gliadins in wheats using these stocks. *Theoretical and Applied Genetics* 85: 719-728.
483. Gupta RB, Singh NK & Shepherd KW 1988 The cumulative effect of allelic variation in LMW and HMW glutenin subunits on dough properties in the progeny of two bread wheats. *Theoretical and Applied Genetics* 77: 57-64.
484. Gyarfás J 1978 Transference of disease resistance from *Triticum timopheevii* to *Triticum aestivum*. MScAgr Thesis, University of Sydney, Australia.
485. Gyarfás J 1983 Suneca. *Journal of the Australian Institute of Agricultural Science* 49: 43-44.
486. Haggag MEA & Dyck PL 1973 The inheritance of leaf rust resistance in four common wheat varieties possessing genes at or near the *Lr3* locus. *Canadian Journal of Genetics and Cytology* 15: 127-134.
487. Halloran GM & Boydell CW 1967 Wheat chromosomes with genes for photoperiodic response. *Canadian Journal of Genetics and Cytology* 9: 394-398.
488. Hansen L 1987 Three cDNA clones for barley leaf acyl carrier proteins I and III. *Carlsberg Research Communications* 52: 381-392.
489. Hansen L & Kauppinen S 1991 Barley Acyl carrier II: Nucleotide sequence of cDNA clones and chromosomal location of *Acl2* gene. *Plant Physiology* 97: 472-474.
490. Hanson AD & Brown AHD 1984 Three alcohol dehydrogenase genes in wild and cultivated barley: Characterization of the products of variant alleles. *Biochemical Genetics* 22: 495-515.
491. Hanusova R, Bartos P & Zeller FJ 1997 Characterization of the suppressor gene of powdery mildew resistance gene *Pm8* in common wheat (*Triticum aestivum* L.) cv. Regina. *Journal of Applied Genetics* 38: 11-17.
492. Hanusova R, Hsam SLK, Bartos P & Zeller FJ 1996 Suppression of powdery mildew resistance gene *Pm8* in *Triticum aestivum* L. (common wheat) cultivars carrying wheat-rye translocation T 1BL.1RS. *Heredity* 77: 383-387.
493. Harberd NP & Edwards KJR 1983 Further studies on the alcohol dehydrogenases in barley: Evidence for a third alcohol dehydrogenase locus and data on the effect of an alcohol dehydrogenase-1 null mutation in homozygous and in heterozygous condition. *Genetical Research, Cambridge* 41: 109-116.
494. Harberd NP, Bartels D & Thompson RD 1985 Analysis of the gliadin multigene loci in bread wheat using nullisomic-tetrasomic lines. *Molecular and General Genetics* 198: 234-242.
495. Harberd NP, Bartels D & Thompson RD 1986 DNA restriction-fragment variation in the gene family encoding high-molecular-weight (HMW) glutenin subunits of wheat.

- Biochemical Genetics 24: 579-596.
496. Harcourt RL 1992 PhD Thesis, Cambridge University, UK.
497. Harcourt RL & Gale MD 1991 A chromosome-specific DNA sequence which reveals a high level of RFLP in wheat. *Theoretical and Applied Genetics* 81: 397-400.
498. Hare RA 1992 Anatomical location and inheritance of variegated red seed coat colour in hexaploid wheat. *Crop Science* 32: 115-117.
499. Hare RA & McIntosh RA 1979 Genetic and cytogenetic studies of durable adult-plant resistances in 'Hope' and related cultivars to wheat rusts. *Zeitschrift fur Pflanzenzuchtung* 83: 350-367.
500. Hare RA, Du Cros DL & Barnes WC 1986 Genetic linkage between glume colour and certain gliadin proteins in durum wheat. *Crop Science* 26: 831-833.
501. Hart GE 1969 Genetic control of alcohol dehydrogenase isozymes in *Triticum dicoccum*. *Biochemical Genetics* 3: 617-625.
502. Hart GE 1970 Evidence for triplicate genes for alcohol dehydrogenase in hexaploid wheat. *Proceedings of the National Academy of Sciences, USA* 66: 1136-1141.
503. Hart GE 1971 Evolution of alcohol dehydrogenase isozymes in *Triticum*. *Isozyme Bulletin* 4: 15.
504. Hart GE 1973 Homoeologous gene evolution in hexaploid wheat. *Proceedings of the 4th International Wheat Genetics Symposium Columbia, Missouri (Sears ER & Sears LMS eds.):* 805-810.
505. Hart GE 1975 Glutamate oxaloacetate transaminase isozymes of *Triticum*: evidence for multiple systems of triplicate structural genes in hexaploid wheat. *Isozymes: III. Developmental Biology*, Academic Press, New York (Markert C ed.): 637-657.
506. Hart GE 1978 Chromosomal arm locations of *Adh-R1* and an acid phosphatase structural gene in Imperial rye. *Cereal Research Communications* 6: 123-133.
507. Hart GE 1979 Evidence for a triplicate set of glucosephosphate isomerase structural genes in hexaploid wheat. *Biochemical Genetics* 17: 585-598.
508. Hart GE 1983 Discovery and genetic control of hexaploid wheat NAD-dependent alcohol dehydrogenase which acts in aromatic alcohols. *American Journal of Botany* 70: 63.
509. Hart GE 1983 Genetics and evolution of multilocus isozymes in hexaploid wheat. *In, Isozymes-Current Topics in Biological and Medical Research*. Alan, R. Liss, Inc., New York. (Rattazzi HC, Scandalios JG & Whitt GS eds.): 10: 365-380.
510. Hart GE 1983 Hexaploid wheat (*Triticum aestivum*, L. em Thell.). *In, Isozymes in Plant Genetics and Breeding*. Elsevier Science Publishers, B.V., Amsterdam. (Tanksley SD & Orton TJ eds.): Part B: 35-36.
511. Hart GE 1984 Biochemical loci of hexaploid wheat (*Triticum aestivum*, 2n =42, Genomes AABBDD). *In, Genetic Maps*. Cold Spring Harbor Laboratory, (O'Brien SJ ed.): 3: 485-490.
512. Hart GE 1987 Genetic and biochemical studies of enzymes. *In, Wheat and Wheat Improvement*. American Society of Agronomy, Madison. (Heyne EG ed.): 199-214.
513. Hart GE 1987 Genetic control of NADH dehydrogenase-1 and aromatic alcohol dehydrogenase-2 in hexaploid wheat. *Biochemical Genetics* 25: 837-846.
514. Hart GE 1996 Personal communication.
515. Hart GE & Gale MD 1988 Guidelines for nomenclature of biochemical/molecular loci in wheat and related species. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.):* 1215-1218.
516. Hart GE & Langston PJ 1977 Chromosome location and evolution of isozyme structural genes in hexaploid wheat. *Heredity* 39: 263-277.

517. Hart GE & Tuleen NA 1983 Characterizing and selecting alien genetic material in derivatives of wheat-alien species hybrids by analyses of isozyme variation. Proceedings of the 6th International Wheat Genetics Symposium, Kyoto, Japan (Sakamoto S ed.): 377-385.
518. Hart GE & Tuleen NA 1983 Chromosomal locations of eleven *Elytrigia elongata* (= *Agropyron elongatum*) isozyme structural genes. Genetical Research, Cambridge 41: 181-202.
519. Hart GE & Tuleen NA 1983 Introduction and characterization of alien genetic material. In, Isozymes in Plant Genetics and Breeding. Elsevier Science Publishers, B.V., Amsterdam, The Netherlands. (Tanksley SD & Orton TJ eds.): Part A: 339-362.
520. Hart GE, Islam AKMR & Shepherd KW 1980 Use of isozymes as chromosome markers in the isolation and characterization of wheat-barley chromosome addition lines. Genetical Research, Cambridge 36: 311-325.
521. Hart GE, McMillin DE & Sears ER 1976 Determination of the chromosomal location of a glutamate oxaloacetate transaminase structural gene using *Triticum-Agropyron* translocations. Genetics 83: 49-61.
522. Hartl L, Weiss H, Zeller FJ & Jahoor A 1993 Use of RFLP markers for the identification of alleles at the *Pm3* locus conferring powdery mildew resistance in wheat (*Triticum aestivum* L.). Theoretical and Applied Genetics 86: 959-963.
523. Harvey TL, Martin TJ & Livers RW 1980 Resistance to biotype C greenbug in synthetic hexaploid wheats derived from *Triticum tauschii*. Journal of Economic Entomology 73: 387-389.
524. Hasm SLK & Zeller FJ 1997 Evidence of allelism between genes *Pm8* and *Pm17* and chromosomal location of powdery mildew and leaf rust resistance genes in the common wheat cultivar 'Amigo'. Plant Breeding 116: 119-122.
525. Hatchett JH, Martin TJ & Livers RW 1981 Expression and inheritance of resistance to Hessian fly in hexaploid wheats derived from *Triticum tauschii* (Coss.) Schmal. Crop Science 21: 731-734.
526. Hatfield PM, Callis J & Vierstra RD 1990 Cloning of ubiquitin activating enzyme from wheat and expression of a functional protein in *Escherichia coli*. Journal of Biological Chemistry 265: 15813-15817.
527. Hayter AM & Riley R 1967 Duplicate genetic activities affecting meiotic chromosome pairing at low temperature in *Triticum*. Nature 216: 1028-1029.
528. Hejgaard J, Bjorn SE & Nielsen G 1984 Localisation to chromosomes of structural genes for the major protease inhibitors of barley grains. Theoretical and Applied Genetics 68: 127-130.
529. Hejgaard J, Bjorn SE & Nielsen G 1984 Rye chromosomes carrying structural genes for the major grain protease inhibitors. Hereditas 101: 257-259.
530. Hermsen JG Th 1961 The symbolization of complementary necrosis genes in wheat: a proposal. Wheat Information Service 12: 22-23.
531. Hermsen JG Th 1963 Hybrid necrosis as a problem for the wheat breeder. Euphytica 12: 1-16.
532. Hermsen JG Th 1963 Sources and distribution of the complementary genes for hybrid necrosis in wheat. Euphytica 12: 147-160.
533. Hermsen JG Th 1963 The genetic basis of hybrid necrosis in wheat. Genetica 33: 445-487.
534. Hermsen JG Th 1963 The localization of two genes for dwarfing in the variety Timstein by means of substitution lines. Euphytica 12: 126-129.
535. Hermsen JG Th 1966 Hybrid necrosis and red hybrid chlorosis. Proceedings of the 2nd International Wheat Genetics Symposium Lund, Sweden 1963 (MacKey J ed.): Hereditas

- Supplement: 2: 439-452.
536. Hermsen JG Th 1967 Hybrid dwarfness in wheat. *Euphytica* 16: 134-162.
537. Hermsen JG Th Personal communication.
538. Hermsen JG Th & Waninge J 1972 Attempts to localize the gene *Ch1* for hybrid chlorosis in wheat. *Euphytica* 21: 204-208.
539. Heun M 1988 Mapping powdery mildew resistance genes in winter wheat lines CI 15886 and CI 15887. Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 823-827.
540. Heun M & Fischbeck G 1987 Genes for powdery mildew resistance in cultivars of spring wheat. *Plant Breeding* 99: 282-288.
541. Heun M & Fischbeck G 1987 Identification of wheat powdery mildew resistance genes by analysing host-pathogen interactions. *Plant Breeding* 98: 124-129.
542. Heun M & Fischbeck G 1989 Inheritance of the powdery mildew resistance *Mlk* in wheat. *Plant Breeding* 103: 262-264.
543. Heun M & Friebe B 1989 Introgression of powdery mildew resistance from rye into wheat. *Phytopathology* 80: 242-245.
544. Heun M, Friebe B & Bushuk W 1990 Chromosomal location of the powdery mildew resistance gene of Amigo wheat. *Phytopathology* 80: 1129-1133.
545. Heun M, Kennedy AE, Anderson JA, Lapitan NLV, Sorrells ME & Tanksley SD 1991 Construction of a restriction fragment length polymorphism map for barley (*Hordeum vulgare*). *Genome* 34: 437-447.
546. Heyne EG Personal communication.
547. Heyne EG & Finney KF 1968 Registration of Shawnee wheat. *Crop Science* 8: 512.
548. Heyne EG & Johnston CO 1954 Inheritance of leaf rust reaction and other characters in crosses among Timstein, Pawnee and Redchief wheats. *Agronomy Journal* 46: 81-85.
549. Heyne EG & Livers RW 1953 Monosomic analysis of leaf rust reaction, awnedness, winter injury and seed colour in Pawnee wheat. *Agronomy Journal* 45: 54-58.
550. Heyne EG, Wiebe GA & Painter RH 1943 Complementary genes in wheat. *Journal of Heredity* 34: 243-245.
551. Hoffmann JA & Metzger RJ 1976 Current status of virulence genes and pathogenic races of the wheat bunt fungi in the northwestern USA. *Phytopathology* 66: 657-660.
552. Hohmann U, Badaeva K, Busch W, Friebe B & Gill BS 1996 Molecular cytogenetic analysis of *Agropyron* chromatin specifying resistance to barley yellow dwarf virus in wheat. *Genome* 39: 336-347.
553. Hohmann U, Endo TR, Gill KS & Gill BS 1994 Comparison of genetic and physical maps of group 7 chromosomes from *Triticum aestivum* L. *Molecular and General Genetics* 245: 644-653.
554. Hollenhorst MM & Joppa LR 1983 Chromosomal location of genes for resistance to greenbug in 'Largo' and 'Amigo' wheats. *Crop Science* 23: 91-93.
555. Holt LM, Austin RB & Payne PI 1981 Structural and genetic studies on the high-molecular weight subunits of wheat glutenin.2. Relative isoelectric points determined by two-dimensional fractionation in polyacrylamide gels. *Theoretical and Applied Genetics* 60: 237-243.
556. Holton CS 1959 Genetic controls of host-parasite interactions in smut diseases. *In*, Plant Pathology Problems and Progress 1908-58 University of Wisconsin Press, Madison, Wisconsin. 145-156.:
557. Hoogendoorn J 1985 A reciprocal F1 monosomic analysis of the genetic control of the time

- of ear emergence, number of leaves and number of spikelets in wheat (*Triticum aestivum* L.). *Euphytica* 34: 545-558.
558. Hovmoller MS 1989 Race specific powdery mildew resistance in 31 northwest European wheat cultivars. *Plant Breeding* 103: 228-234.
559. Howes NK 1986 Linkage between the *Lr10* gene conditioning resistance to leaf rust, two endosperm proteins and hairy glumes in hexaploid wheat. *Canadian Journal of Genetics and Cytology* 28: 595-600.
560. Hsam SLK & Zeller FJ 1982 Relationships of *Agropyron intermedium* chromosomes determined by chromosome pairing and alcohol dehydrogenase isozymes in common wheat background. *Theoretical and Applied Genetics* 63: 213-217.
561. Hsam SLK, Cermeno MC, Friebe B & Zeller FJ 1995 Transfer of Amigo wheat powdery mildew resistance gene *Pm17* from TIAL.IRS to the T1BL.IRS wheat-rye translocated chromosome. *Heredity* 74: 497-501.
562. Hsam SLK, Huang XQ, Earnst F, Hartl L & Zeller FJ 1998 Chromosomal location of genes for resistance to powdery mildew in common wheat (*Triticum aestivum* L. em. Thell.). 5. Alleles at the *Pm1* locus. *Theoretical and Applied Genetics* 96: 1129-1134.
563. Hu CC & Roelfs AP 1986 Postulation of genes for stem rust resistance in 13 Chinese wheat cultivars. *Cereal Rusts Bulletin* 14: 68-74.
564. Hu CC & Roelfs AP 1986 Postulation of genes for stem rust resistance in 24 Chinese wheat cultivars. *Cereal Rusts Bulletin* 14: 61-67.
565. Hu ML 1974 Genetic analyses of semidwarfing and insensitivity to gibberellin GA3 in hexaploid wheat (*Triticum aestivum*, L. em Thell.). PhD Thesis, Washington State University, USA.
566. Hu ML 1980 A study of the X-ray induced semidwarfing gene in wheat (*Triticum aestivum*, L. em Thell.). *Journal of the Agricultural Association of China* 109: 5-16. *Cited Plant Breeding Abstracts* 52: 3671, p. 332.
567. Hu ML & Konzak CF 1974 Genetic association of gibberellic acid insensitivity and semi-dwarfing in hexaploid wheat. *Annual Wheat Newsletter* 20: 184-185.
568. Hu ML, Favret G, Favret EA, Donaldson E & Allan RE 1972 Inheritance of insensitivity to gibberellic acid GA3 in derivatives of oriental semidwarf wheats (Abstr.). *Agronomy Abstracts* p. 25.
569. Hu ML, Konzak CF & Donaldson E Independent recessive inheritance of two new mutagen-induced plant height reducing factors in wheat (*Triticum aestivum*, L. em Thell.). (In preparation).
570. Hu XY, Ohm HW & Dweikat I 1997 Identification of RAPD markers linked to the gene *Pm1* for resistance to powdery mildew in wheat. *Theoretical and Applied Genetics* 94: 832-840.
571. Huang XQ, Hsam SLK & Zeller FJ 1997 Chromosomal location of genes for resistance to powdery mildew in common wheat (*Triticum aestivum* L. em. Thell.) 4. Gene *Pm24* in Chinese landrace Chiyacao. *Theoretical and Applied Genetics* 95: 950-953.
572. Huang XQ, Hsam SLK & Zeller FJ 1997 Identification of powdery mildew resistance genes in common wheat (*Triticum aestivum* L. em Thell.). IX. Cultivars, landraces and breeding lines grown in China. *Plant Breeding* 116: 233-238.
573. Hueros G, Gonzalez JM, Sanz JC & Ferrer E 1991 Gliadin gene location and C-banding identification of *Aegilops longissima* chromosomes added to wheat. *Genome* 34: 236-240.
574. Hurd EA & McGinnis RC 1958 Notes on the location of genes for dwarfing in Redman wheat. *Canadian Journal of Plant Science* 38: 506.
575. Hurkman WJ, Lane BG & Tanaka CK 1994 Nucleotide sequence of a transcript encoding a

- Germin-like protein that is present in salt-stressed barley roots. *Plant Physiology* 104: 803-904.
576. Hussain T, Bowden RL, Gill BS & Cox TS 1994 Chromosomal location of wheat leaf rust resistance gene *Lr43* derived from *Triticum tauschii*. *Phytopathology* 84: 1116.
577. Hussein T, Bowden RL, Gill BS & Cox TS 1998 Chromosome location of leaf rust resistance gene *Lr43* from *Aegilops tauschii* in common wheat. *Crop Science* 37: 1764-1766.
578. Hutchinson J, Miller TE, Jahier J & Shepherd KW 1982 Comparison of the chromosomes of *Triticum timopheevi* with related wheats using the techniques of C-banding and *in situ* hybridisation. *Theoretical and Applied Genetics* 64: 31-40.
579. Huttly AK, Martienssen RA & Baulcombe DC 1988 Sequence heterogeneity and differential expression of the *a-Amy2* gene family in wheat. *Molecular and General Genetics* 214: 232-240.
580. Hvid D & Nielsen G 1977 Esterase isoenzyme variants in barley. *Hereditas* 87: 155-162.
581. Inbal E 1982 Morphogenetic, genetic and physiologic aspects of stunting expression in wheat (*Triticum aestivum* L.). PhD Thesis, Weizmann Institute, 122 pp.
582. Irani BN & Bhatia CR 1972 Chromosomal location of alcohol dehydrogenase gene(s) in rye, using wheat-rye addition lines. *Genetica* 43: 195-200.
583. Izumi N, Sawada S & Sasakuma T 1981 A dominant gene of dwarfism located on chromosome 4D in *Triticum aestivum*, cv. "Ai-bian 1". *Wheat Information Service* 53: 21-24.
584. Jaaska V 1978 NADP-dependent aromatic alcohol dehydrogenase in polyploid wheats and their relatives. On the origin and phylogeny of polyploid wheats. *Theoretical and Applied Genetics* 53: 209-217.
585. Jaaska V 1980 Electrophoretic survey of seedling esterases in wheats in relation to their phylogeny. *Theoretical and Applied Genetics* 56: 273-284.
586. Jaaska V 1982 Isoenzymes of superoxide dismutase in wheats and their relatives: Alloenzyme variation. *Biochemical Physiological Pflanzen* 177: 747-755.
587. Jaaska V 1984 NAD-dependent aromatic alcohol dehydrogenase in wheats (*Triticum* L.) and goatgrasses (*Aegilops* L.): evolutionary genetics. *Theoretical and Applied Genetics* 67: 535-540.
588. Jackson EA, Holt LM & Payne PI 1983 Characterisation of high-molecular-weight gliadin and low-molecular-weight glutenin subunits of wheat endosperm by two dimensional electrophoresis and the chromosomal localisation of their controlling genes. *Theoretical and Applied Genetics* 66: 29-37.
589. Jackson EA, Holt LM & Payne PI 1986 *Glu-B2*, a storage protein locus controlling the D group of LMW glutenin subunits in bread wheat (*Triticum aestivum*). *Genetical Research*, Cambridge 46: 11-17.
590. Jahier J 1992 Personal communication.
591. Jahier J, Doussinault G, Dosba F & Bourgeois E 1979 Monosomic analysis of resistance to eyespot in the variety "Roazon". *Proceedings of the 5th International Wheat Genetics Symposium New Delhi, India* (S. Ramanujam ed.): 437-440.
592. Jahier J, Tanguy AM & Doussinault G 1989 Analysis of the level of eyespot resistance due to genes transferred to wheat from *Aegilops ventricosa*. *Euphytica* 44: 55-59.
593. Jampates R & Dvorak J 1986 Location of the *Ph1* locus in the metaphase chromosome map and the linkage map of the 5Bq arm of wheat. *Canadian Journal of Genetics and Cytology* 28: 511-519.
594. Jan CC, Dvorak J, Qualset CO & Soliman KM 1981 Selection and identification of a spontaneous alien chromosome translocation in wheat. *Genetics* 98: 389-398.

595. Jensen NF & Driscoll CJ 1962 Inheritance of the waxless character in wheat. *Crop Science* 2: 504-505.
596. Jha KK 1964 The association of a gene for purple coleoptile with chromosome 7D of common wheat. *Canadian Journal of Genetics and Cytology* 6: 370-372.
597. Ji FG & Deng JY 1985 Further study on the inheritance of the genic male sterile wheat of Taigu and the production of the dominant male-sterile octaploid triticale. *Scientia Sinica (Series B)* 28: 609-617.
598. Jia J, Devos KM, Chao S, Miller TE, Reader SM & Gale MD 1996 RFLP-based maps of homoeologous group-6 chromosomes of wheat and their application in the tagging of *Pm12*, a powdery mildew resistance gene transferred from *Aegilops speltoides* to wheat. *Theoretical and Applied Genetics* 92: 559-565.
599. Jia JZ 1993 Personal communication.
600. Jiang J, Friebe B & Gill BS 1994 Chromosome painting of Amigo wheat. *Theoretical and Applied Genetics* 89: 811-813.
601. Jiang JM & Gill BS 1994 New 18S-26S ribosomal RNA gene loci. Chromosomal landmarks for the evolution of polyploid wheats. *Chromosoma* 103: 179-185.
602. Johansson E, Henriksson P, Svensson G & Heneen WK 1993 Detection, chromosomal location and evaluation of the functional value of a novel high Mr glutenin subunit found in Swedish wheats. *Journal of Cereal Science* 17: 237-245.
603. Johnson DA, Richards RA & Turner NC 1983 Yield, water relations, gas exchange and surface reflectances of near-isogenic wheat lines differing in glaucousness. *Crop Science* 23: 318-325.
604. Johnson R Personal communication.
605. Johnson R & Dyck PL 1984 Resistance to yellow rust in *Triticum spelta* var. *album* and bread wheat cultivars Thatcher and Lee. *Proceedings of the 6th European and Mediterranean Cereal Rusts Conference, Grignon*: 71-74.
606. Johnson R & Taylor AJ 1972 Isolates of *Puccinia striiformis* collected in England from wheat varieties 'Maris Beacon' and 'Joss Cambier'. *Nature* 238: 105-106.
607. Johnson R & Taylor AJ 1976 Annual Report of the Plant Breeding Institute, Cambridge, 1975: 126-128.
608. Johnson R, Smith GMB & Taylor AJ 1984 Brown rust of wheat. 1983 Annual Report of the Plant Breeding Institute, Cambridge 84-85.
609. Johnson R, Taylor AJ & Smith GMB 1984 1983 Annual Report of the Plant Breeding Institute, Cambridge 82-85.
610. Johnson R, Taylor AJ & Smith GMB 1986 Personal communication.
611. Johnson R, Taylor AJ & Smith GMB 1986 Resistance to British races of *Puccinia striiformis* in the differential wheat cultivars Heines Kolben and Heines Peko. *Cereal Rusts Bulletin* 14: 20-23.
612. Johnson R, Wolfe MS & Scott PR 1969 1968 Annual Report of the Plant Breeding Institute, Cambridge: 113-123.
613. Johnston CO & Heyne EG 1964 Wichita wheat backcross lines for differential hosts in identifying physiologic races of *Puccinia recondita*. *Phytopathology* 54: 385-388.
614. Jolly CJ, Glenn GM & Rahman S 1996 GSP-1 genes are linked to the grain hardness locus (*Ha*) on wheat chromosome 5D. *Proceedings of the National Academy of Sciences, USA* 93: 2408-2413.
615. Jones ERL & Clifford BC 1996 Annual Report-U.K. Cereal Pathogen Virulence Survey.
616. Jones SS 1995 Personal communication.

617. Yildirim A, Jones SS, Murray TD & Line RF 2000 Evaluation of *Daspyrum villosum* populations for resistance to cereal eyespot and stripe rust pathogens. *Plant Disease* 84: 40-44.
618. Yildirim A, Jones SS & Murray 1998 Mapping a gene conferring resistance to *Pseudocercospora herpotrichoides* on chromosome 4V of *Daspyrum villosum* in a wheat background. *Genome* 41: 1-6.
- 619.
620. Jones SS, Dvorak J, Knott DR & Qualset CO 1991 Use of double-ditelosomic and normal chromosome 1D recombinant substitution lines to map *Sr33* on chromosome arm 1DS in wheat. *Genome* 34: 505-508.
621. Joppa LR Personal communication.
622. Joppa LR & Williams ND 1982 Registration of Largo, a greenbug resistant hexaploid wheat. *Crop Science* 22: 901-902.
623. Joppa LR, Du C, Hart GE & Hareland GA 1997 Mapping gene(s) for grain protein in tetraploid wheat (*Triticum turgidum* L.) using a population of recombinant inbred chromosome lines. *Crop Science* 37: 1586-1589.
624. Joppa LR, Timian RG & Williams ND 1980 Inheritance of resistance to greenbug toxicity in an amphiploid of *Triticum turgidum*/*T. tauschii*. *Crop Science* 20: 343-344.
625. Joppa LR, Williams ND & Maan SS 1987 The chromosomal location of a gene (*msg*) affecting megasporogenesis in durum wheat. *Genome* 29: 578-591.
626. Jorgensen JH & Jensen CJ 1972 Genes for resistance to wheat powdery mildew in derivatives of *Triticum timopheevi* and *T. carthlicum*. *Euphytica* 21: 121-128.
627. Jorgensen JH & Jensen CJ 1973 Gene *Pm6* for resistance to powdery mildew in wheat. *Euphytica* 22: 423.
628. Joudrier P & Cauderon Y 1976 Localisation chromosomique de genes controlant la synthese de certains constituants beta-amylasique du grain de Ble tendre. *Comptes Rendus Ac. Sc. Paris, D.* 282: 115-118.
629. Jouve N & Diaz F 1990 Genetic control of esterase-6 isozymes in hexaploid wheat and related species. *Euphytica* 46: 165-169.
630. Jung C & Lelley T 1985 Hybrid necrosis in triticale caused by gene-interaction between its wheat and rye genomes. *Zeitschrift fur Pflanzenzuchtung* 94: 344-347.
631. Kadarn BS 1936 Genetics of the Bansi wheat of the Bombay-Deccan and a synthetic Khapli. Part I. *Proceedings of the Indian Academy of Science* 4: 357-369.
632. Kaloshian I, Roberts PA, Waines JG & Thomason IJ 1990 Inheritance of resistance to root-knot nematodes in *Aegilops squarrosa* L. *Journal of Heredity* 81: 170-172.
633. Kam-Morgan LNW, Gill BS & Muthukrishnan S 1989 DNA restriction fragment length polymorphisms: a strategy for genetic mapping of D genome of wheat. *Genome* 32: 724-732.
634. Kasarda DD, Bernardin JE & Qualset CO 1976 Relationship of gliadin protein components to chromosomes in hexaploid wheats (*Triticum aestivum*). *Proceedings of the National Academy of Sciences, USA* 73: 3646-3650.
635. Kato K, Nakagawa K & Kuno H 1993 Chromosomal location of the genes for vernalization response, *Vrn2* and *Vrn4*, in common wheat, *Triticum aestivum* L. *Wheat Information Service* 76: 53.
636. Kaveh H, Williams ND & Gough FJ 1968 Allelic and linkage relations among genes for reaction to wheat stem rust. *Agronomy Abstracts* p. 12.
637. Kawahara T 1991 Further analysis of *Cs* chlorosis observed in hybrids between emmer and the *timopheevi* group of tetraploid wheats. *Wheat Information Service* 72: 83.



638. Keim DL, Welsh JR & McConnell RL 1973 Inheritance of photoperiodic heading response in winter and spring cultivars of bread wheat. *Canadian Journal of Plant Science* 53: 247-250.
639. Keller B, Schachermayr G & Feuillet C 1996 Molecular cloning of a new receptor-like kinase gene encoded at the *Lr10*, disease resistance locus of wheat. *Proceedings of the 9th European and Mediterranean Cereal Rusts and Powdery Mildews Conference, Lunteren, The Netherlands* (Kema GHJ, Niks RE & Daamen, eds.) pp.34-36.
640. Kema GHJ 1992 Resistance in spelt wheat to yellow rust I. Formal analysis and variation for gliadin patterns. *Euphytica* 63: 207-217.
641. Kema GHJ & Lange W 1992 Resistance in spelt wheat to yellow rust II. Monosomic analysis of the Iranian accession 415. *Euphytica* 63: 219-224.
642. Kenaschuk EO, Anderson RG & Knott DR 1959 The inheritance of rust resistance, V. The inheritance of resistance to race 15B of stem rust in ten varieties of durum wheat. *Canadian Journal of Plant Science* 39: 316-328.
643. Keppenne VD & Baenziger S 1990 Inheritance of the blue aleurone trait in diverse wheat crosses. *Genome* 33: 525-529.
644. Kerber ER 1987 Resistance to leaf rust in wheat: *Lr32*, a third gene derived from *Triticum tauschii*. *Crop Science* 27: 204-206.
645. Kerber ER 1988 Telocentric mapping in wheat of the gene *Lr32* for resistance to leaf rust. *Crop Science* 28: 178-179.
646. Kerber ER 1991 Personal communication.
647. Kerber ER Personal communication.
648. Kerber ER & Dyck PL 1969 Inheritance in hexaploid wheat of leaf rust resistance and other characters derived from *Aegilops squarrosa*. *Canadian Journal of Genetics and Cytology* 11: 639-647.
649. Kerber ER & Dyck PL 1973 Inheritance of stem rust resistance transferred from diploid wheat (*Triticum monococcum*) to tetraploid and hexaploid wheat and chromosome location of the gene involved. *Canadian Journal of Genetics and Cytology* 15: 397-409.
650. Kerber ER & Dyck PL 1979 Resistance to stem rust and leaf rust of wheat in *Aegilops squarrosa* and transfer of a gene for stem rust resistance to hexaploid wheat. *Proceedings of the 5th International Wheat Genetics Symposium New Delhi, India* (Ramanujam S ed.): 358-364.
651. Kerber ER & Dyck PL 1990 Transfer to hexaploid wheat of linked genes for adult-plant leaf rust and seedling stem rust resistance from an amphiploid of *Aegilops speltoides* x *Triticum monococcum*. *Genome* 33: 530-537.
652. Kerber ER & Rowland GG 1974 Origin of the free threshing character in hexaploid wheat. *Canadian Journal of Genetics and Cytology* 16: 145-154.
653. Kibirige-Sebunya I & Knott DR 1983 Transfer of stem rust resistance to wheat from an *Agropyron* chromosome having a gametocidal effect. *Canadian Journal of Genetics and Cytology* 25: 215-221.
654. Kilduff T 1933 Inheritance of bunt and loose smut reaction and of certain other characters in Kota x Red Bobs and Garnet crosses. *Canadian Journal of Research* 8: 147-172.
655. Kilian A, Kleinhofs A & Warner RL 1992 Localization of NAD(P)H-bispecific nitrate reductase genes to chromosomes of barley, rye, wheat and *Aegilops umbellulata*. *Theoretical and Applied Genetics* 85: 274-275.
656. Kilian A, Kleinhofs A, Villand P, Thorbjornsen T, Olsen O-A & Kleczkowski L 1994 Mapping of the ADP-glucose phosphorylase genes in barley. *Theoretical and Applied Genetics* 87: 869-871.

657. Kim N-S, Armstrong K & Knott DR 1993 Molecular detection of *Lophopyrum* chromatin in wheat-*Lophopyrum* recombinants and their use in the physical mapping of chromosome 7D. *Theoretical and Applied Genetics* 85: 561-567.
658. Kim N-S, Kuspira J, Armstrong K & Bhambhani R 1993 Genetic and cytogenetic analyses of the A genome of *Triticum monococcum*. VII Localization of rDNAs and characterization of 5S rRNA genes. *Genome* 36: 77-86.
659. Kimber G 1971 The inheritance of red grain colour in wheat. *Zeitschrift fur Pflanzenzuchtung* 66: 151-157.
660. King IP 1989 Cytogenetic studies on a preferentially transmitted chromosome from *Aegilops sharonensis*. PhD Thesis, Council for National Academic Awards.
661. King IP, Purdie KA, Rezanoor HN, Koebner RMD, Miller TE, Reader SM & Nicholson P 1993 Characterization of *Thinopyrum bessarabicum* chromosome segments in wheat using random amplified polymorphic DNAs (RAPDs) and genomic *in situ* hybridization. *Theoretical and Applied Genetics* 86: 895-900.
662. King SW, Joshi CP & Nguyen HT 1992 DNA sequence of an ABA-responsive gene (*rab 15*) from water-stressed wheat roots. *Plant Molecular Biology* 18: 119-121.
663. Kleinhofs A, Chao S & Sharp PJ 1988 Mapping of nitrate reductase genes in barley and wheat. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK* (Miller TE & Koebner RMD eds.) 541-546.
664. Kleinhofs A, Kilian A, Saghai MA, Biyashev RM, Hayes P, Chen FQ, Lapitan N, Fenwick A, Blake TK, Kanazin V, Ananiev E, Dahleen L, Kudrna D, Bollinger J, Knapp SJ, Liu B, Sorrells M, Heun M, Franckowiak JD, Hoffman D, Skadsen R & Steffenson BJ 1993 A molecular, isozyme and morphological map of the barley (*Hordeum vulgare*) genome. *Theoretical and Applied Genetics* 86: 705-712.
665. Klindworth DL, Klindworth MM & Williams ND 1997 Telocentric mapping of four genetic markers of durum wheat. *Journal of Heredity* 88: 229-232.
666. Klindworth DL, Williams ND & Duysen ME 1995 Genetics analysis of *chlorina* mutants of durum wheat. *Crop Science* 35: 431-436.
667. Kloppers FJ & Pretorius ZA 1994 Expression and inheritance of leaf rust resistance gene *Lr37* in wheat seedlings. *Cereal Research Communications* 22: 91-97.
668. Knackstedt MA 1995 Personal communication.
669. Knott DR 1957 The inheritance of rust resistance II. The inheritance of stem rust resistance in six additional varieties of common wheat. *Canadian Journal of Plant Science* 37: 177-192.
670. Knott DR 1957 The inheritance of rust resistance III. The inheritance of stem rust resistance in nine Kenya varieties of common wheat. *Canadian Journal of Plant Science* 37: 366-384.
671. Knott DR 1959 The inheritance of rust resistance IV. Monosomic analysis of rust resistance and some other characters in six varieties of wheat including Gabo and Kenya Farmer. *Canadian Journal of Plant Science* 39: 215-228.
672. Knott DR 1961 The inheritance of rust resistance VI. The transfer of stem rust resistance from *Agropyron elongatum* to common wheat. *Canadian Journal of Plant Science* 41: 109-123.
673. Knott DR 1962 Inheritance of rust resistance VIII. Additional studies on Kenya varieties of wheat. *Crop Science* 2: 130-132.
674. Knott DR 1962 The inheritance of rust resistance IX. The inheritance of resistance to races 15B and 56 of stem rust in the wheat variety Khapstein. *Canadian Journal of Plant Science* 42: 415-419.
675. Knott DR 1965 A comparison of the reaction to stem rust of wheat lines backcrossed five and nine times to Marquis that carry the same resistance genes. *Canadian Journal of Plant*

- Science 45: 106-107.
676. Knott DR 1966 The inheritance of stem rust resistance in wheat. Proceedings of the 2nd International Wheat Genetics Symposium Lund, Sweden 1963 (MacKey J ed.): Hereditas Supplement 2: 156-166.
677. Knott DR 1968 The inheritance of resistance to stem rust races 56 and 15B-1L (Can.) in the wheat varieties Hope and H-44. Canadian Journal of Genetics and Cytology 10: 311-320.
678. Knott DR 1971 Genes for stem rust resistance in wheat varieties Hope and H-44. Canadian Journal of Genetics and Cytology 13: 186-188.
679. Knott DR 1972 Using race-specific resistance to manage the evolution of plant pathogens. Journal of Environmental Quality 1: 227-231.
680. Knott DR 1983 The inheritance of resistance to stem rust races 15B-1 and 56 in "French Peace" wheat. Canadian Journal of Genetics and Cytology 25: 283-285.
681. Knott DR 1984 The genetic nature of mutations of a gene for yellow pigment linked to *Lr19* in 'Agatha' wheat. Canadian Journal of Genetics and Cytology 26: 392-393.
682. Knott DR 1984 The inheritance of resistance to race 56 of stem rust in 'Marquillo' wheat. Canadian Journal of Genetics and Cytology 26: 174-176.
683. Knott DR 1989 The mode of inheritance of a type of dwarfism in common wheat. Genome 32: 932-933.
684. Knott DR 1989 The Wheat Rusts - Breeding For Resistance. Springer-Verlag, Berlin.
685. Knott DR 1990 Near-isogenic lines of wheat carrying genes for stem rust resistance. Crop Science 30: 901-905.
686. Knott DR Personal communication.
687. Knott DR & Anderson RG 1956 The inheritance of rust resistance I. The inheritance of stem rust resistance in ten varieties of common wheat. Canadian Journal of Agricultural Science 36: 174-195.
688. Knott DR & McIntosh RA 1978 Inheritance of stem rust resistance in 'Webster' wheat. Crop Science 17: 365-369.
689. Knott DR & Shen I 1961 The inheritance of rust resistance VII. The inheritance of resistance to races 15B and 56 of stem rust in eleven common wheat varieties of diverse origin. Canadian Journal of Plant Science 41: 587-601.
690. Knowles PF & Harrington JB 1943 Breeding smooth-awned durum and vulgare wheats. Scientific Agriculture 23: 697-707.
691. Koba T & Shimada T 1993 Crossability of common wheat with *Aegilops squarrosa*. Wheat Information Service 77: 7-12.
692. Koba T & Tsunewaki K 1978 Mapping of the *s* and *Ch2* genes on chromosome 3D of common wheat. Wheat Information Service 45-46: 18-20.
693. Koba T, Takumi S & Shimada T 1997 Isolation, identification and characterization of disomic and translocated barley chromosome addition lines of common wheat. Euphytica 96: 289-296.
694. Kobrehel K 1978 Identification of chromosome segments controlling the synthesis of peroxidases in wheat seeds and in transfer lines with *Agropyron elongatum*. Canadian Journal of Botany 56: 1091-1094.
695. Kobrehel K & Fiellet P 1975 Identification of genomes and chromosomes involved in peroxidase synthesis of wheat seeds. Canadian Journal of Botany 53: 2336-2344.
696. Kochumadhavan M, Tomar SMS & Nambisan PNN 1980 Investigations on hybrid necrosis in wheat. Indian Journal of Genetics and Plant Breeding 40: 496-502. Cited Plant Breeding Abstracts 52: 2780, p.252.

697. Kochumadhavan M, Tomar SMS, Nambisan PNN & Ramanujam S 1984 Hybrid necrosis and hybrid chlorosis in Indian varieties of *Triticum dicoccum* Schubl. *Euphytica* 33: 853-858.
698. Kochumadhavan M, Tomar SMS, Nambisan PNN & Rao MV 1988 Hybrid necrosis and disease resistance in winter wheats. *Indian Journal of Genetics* 48: 85-90.
699. Koebner RMD 1987 Genetic control of a novel series of trypsin inhibitors in wheat and its relatives. *Biochemical Genetics* 25: 591-602.
700. Koebner RMD 1987 Genetic control of dipeptidase in the Triticeae. *Theoretical and Applied Genetics* 74: 387-390.
701. Koebner RMD 1990 Subtilisin inhibitor - a polymorphic protein produced by a gene on the short arms of wheat homoeologous group 1 chromosomes. *Journal of Genetics and Breeding* 44: 49-52.
702. Koebner RMD Personal communication.
703. Koebner RMD & Martin PK 1989 Chromosomal control of the aminopeptidases of wheat and its close relatives. *Theoretical and Applied Genetics* 78: 657-664.
704. Koebner RMD & Martin PK 1990 Association of eyespot resistance in wheat cv 'Cappelle-Desprez' with endopeptidase profile. *Plant Breeding* 104: 312-317.
705. Koebner RMD & Miller TE 1986 A note on the nomenclature for translocated chromosomes in the Triticeae. *Cereal Research Communications* 14: 315-316.
706. Koebner RMD & Shepherd KW 1983 Shikimate dehydrogenase - a biochemical marker for group 5 chromosomes in the Triticinae. *Genetical Research, Cambridge* 41: 209-213.
707. Koebner RMD & Shepherd KW 1986 Controlled introgression to wheat of genes from rye chromosome 1RS by induction of allosyndesis. 1. Isolation of recombinants. *Theoretical and Applied Genetics* 73: 197-208.
708. Koebner RMD, Miller TE, Snape JW & Law CN 1988 Wheat endopeptidase: genetic control, polymorphism, intrachromosomal gene location and alien variation. *Genome* 30: 186-192.
709. Koebner RMD, Shepherd KW & Appels R 1986 Controlled introgression to wheat of genes from rye chromosome 1RS by induction of allosyndesis. 2. Characterisation of recombinants. *Theoretical and Applied Genetics* 73: 209-217.
710. Kolchinsky A, Kanazin V, Yakovleva E, Gazumyan A, Cole C & Ananiev E 1990 5S-RNA genes of barley are located on the second chromosome. *Theoretical and Applied Genetics* 80: 333-336.
711. Kolmer JA 1992 Enhanced leaf rust resistance in wheat conditioned by resistance gene pairs with *Lr13*. *Euphytica* 61: 123-130.
712. Kolmer JA 1994 Genetics of leaf rust resistance in three western Canada spring wheats. *Plant Disease* 78: 600-602.
713. Kolmer JA 1997 Virulence in *Puccinia recondita* f. sp. *tritici* isolates from Canada to genes for adult plant resistance to wheat leaf rust. *Plant Disease* 81: 267-271.
714. Kolster P, Kretching CF & van Gelder WMJ 1988 Variation in high molecular weight glutenin subunits of *Triticum aestivum* and *T. turgidum* ssp. *dicoccoides*. *Euphytica* 37: 141-145.
715. Koluchii VT 1987 Association of gliadin allelic variance with elements of productivity of winter wheat in F<sub>2</sub> hybrids from crossing the varieties Pionerskaya and Mironovskaya 808. In: *Molecular Mechanisms of Genetic Processes, Abstracts of Reports of the Sixth All-Union Symposium (In Russian)*, Moscow: p. 121.
716. Konig S 1988 Nachweis von biochemischen markerfaktoren für chromosomen von *Hordeum vulgare* L. *Biochemical Physiological Pflanzen* 183: 345-349.

717. Konzak CF 1976 A review of semidwarfing gene sources and a description of some new mutants useful for breeding short-stature wheats. *Induced Mutations in Cross-breeding* I.A.E.A., Vienna, Austria 79-93.
718. Konzak CF 1987 Mutations and mutation breeding. *In*, *Wheat and Wheat Improvement*. 2nd Edition. American Society of Agronomy, Madison, Wisconsin (Heyne EG ed.): 428-443.
719. Konzak CF & Joppa LR 1988 The inheritance and chromosomal location of a gene for chocolate chaff in durum wheat. *Genome* 30: 229-233.
720. Konzak CF, Sadam M & Donaldson E 1973 Inheritance and linkage in durum wheats of semidwarfing genes with low response to gibberellin A3. *Proceedings of the Symposium of Genetics and Breeding of Durum Wheat*, Bari, Italy 29-40.
721. Konzak CF, Wilson MR & Franks PA 1984 Progress in the evaluation, use in breeding, and genetic analysis of semidwarf mutants in wheat. *IAEA Tecdoc: Semidwarf Mutants and Their Use in Cross-breeding II* 307: 39-50.
722. Koppinen E 1941 (Morphological characters of spring wheat). *Maataloust Aikakausk* 13: 145-164. *Cited Plant Breeding Abstracts* 19: 206, p.65.
723. Korzun V, Balzer H-J, Balzer A, Baumlein H & Borner A 1996 Chromosomal location of three wheat sequences with homology to pollen allergen encoding, DNA replication regulating, and DNA (cytosine-5)-methyltransferase genes in wheat and rye. *Genome* 39: 1213-1215.
724. Korzun V, Borner A, Worland AJ, Law CN & Roder MS 1997 Application of microsatellite markers to distinguish inter-varietal chromosome substitution lines of wheat (*Triticum aestivum* L.). *Euphytica* 95: 149-155.
725. Korzun V, Malyshev S, Voylovkov A & Borner A 1997 RFLP-based mapping of three mutant loci in rye (*Secale cereale* L.) and their relation to homoeologous loci within the Gramineae. *Theoretical and Applied Genetics* 95: 468-473.
726. Korzun V, Roder M, Worland AJ & Borner A 1997 Intrachromosomal mapping of genes for dwarfing (*Rht12*) and vernalization response (*Vrn1*) in wheat using RFLP and microsatellite markers. *Plant Breeding* 116: 227-232.
727. Korzun V, Roder MS, Ganai MW, Worland AJ & Law CN 1997 Genetic analysis of the dwarfing gene (*Rht8*) in wheat. Part I. Molecular mapping of *Rht8* on the short arm of chromosome 2D of bread wheat (*Triticum aestivum*). *Theoretical and Applied Genetics* 96: 1104-1109.
728. Kota RS, Gill KS, Gill BS & Endo TR 1993 A cytogenetically based physical map of chromosome 1B in common wheat. *Genome* 36: 548-554.
729. Koval SF 1994 Genetic analysis of isogenic lines of spring wheat variety Novosibirskaya 67: Location of the gene determining the brown colour of the glume in chromosome 1D. *Genetica* 30: 569-570. (English vers Russian Journal of Genetics 30: 508-509).
730. Koval SF, Metavosky EV & Sosinov AA 1988 A series of near- isogenic spring bread wheat lines on the basis of the variety Novosibirskaya 67. *Cereal Research Communications* 16: 183-187.
731. Kreis M, Williamson MS, Buxton B, Pyrell J, Hejgard J & Svendsen I 1987 Primary structure and differential expression of beta-amylase in normal and mutant barleys. *European Journal of Biochemistry* 169: 517-525.
732. Kreis M, Williamson MS, Shewry PR, Sharp P & Gale MD 1987 Identification of a second locus encoding beta-amylase on chromosome 2 of barley. *Genetical Research, Cambridge* 51: 13-16.
733. Kronstad WE, Foote WH, Kolding MF & Rohde CR 1972 Registration of Hyslop wheat. *Crop Science* 12: 398.

734. Kronstad WE, Rohde CR, Kolding MF & Metzger RJ 1976 Registration of McDermid wheat. *Crop Science* 16: 745.
735. Krugman T, Levy O, Snape JW, Rubin B, Korol A & Nevo E 1997 Comparative RFLP mapping of the chlortoluron resistance gene (*Su1*) in cultivated wheat (*Triticum aestivum*) and wild wheat (*Triticum dicoccoides*). *Theoretical and Applied Genetics* 94: 46-51.
736. Krugman T, Rubin B, Levy O, Snape JW & Nevo E 1995 RFLP mapping of chlortoluron resistance gene *Su1*, in bread wheat (*Triticum aestivum*) and wild wheat (*Triticum dicoccoides*). *Proceedings Herbicide Resistance Conference, Cordoba, Spain, 1994*.
737. Kudryakov NV 1987 Mapping of *EstA* and *EstB* genes controlling the synthesis of esterase isozyme in rye grains. *Soviet Genetics* 23: 1139-1145.
738. Kulkarni LG 1934 Correlated inheritance with special reference to disease resistance in spring wheat. *Journal of the American Society of Agronomy* 26: 885-893.
739. Kurata N, Moore G, Nagamura Y, Foote T, Yano M, Minobe Y & Gale MD 1994 Conservation of genome structure between rice and wheat. *Bio/Technology* 12: 276-278.
740. Kurata N, Nagamura Y, Yamamoto K, Harushima Y, Sue N, Wu J, Antonio BA, Shomura A, Shimizu T, Lin S-Y, Inoue T, Fukuda A, Shimano T, Kuboki Y, Toyama T, Miyamoto Y, Kiriwara T, Hayasaka K, Miyao A, Monna L, Zhong HS, Tamura Y, Wang Z-X, Momma T, Umehara Y 1994 A 300 kilobase interval genetic map of rice including 883 expressed sequences. *Nature Genetics* 8: 365-372.
741. Kuspira J & Unrau J 1957 Genetic analysis of certain characters in common wheat using whole chromosome substitution lines. *Canadian Journal of Plant Science* 37: 300-326.
742. Kuspira J & Unrau J 1958 Determination of the number and dominance relationships of genes on substituted chromosomes in common wheat *Triticum aestivum* L. *Canadian Journal of Plant Science* 38: 199-205.
743. Kuspira J & Unrau J 1960 Determination of gene-chromosome associations and establishment of chromosome markers by aneuploid analysis in common wheat. I. F<sub>2</sub> analysis of glume pubescence, spike density and culm colour. *Canadian Journal of Genetics and Cytology* 2: 301-310.
744. Kuspira J, Maclagan J, Bhambhani RN, Sadasivaich RS & Kim N-S 1989 Genetic and cytogenetic analyses of the A genome of *Triticum monococcum* L. V. Inheritance and linkage relationships of genes determining the expression of 12 qualitative characters. *Genome* 32: 869-881.
745. Kuspira J, Maclagan J, Kerby K & Bhambhani RN 1986 Genetic and cytogenetic analysis of the A genome of *Triticum monococcum* II. The mode of inheritance of spring versus winter growth habit. *Canadian Journal of Genetics and Cytology* 28: 88-95.
746. Labrum KE 1980 The location of *Yr2* and *Yr6* genes conferring resistance to yellow rust. *Proceedings of the 5th European and Mediterranean Cereal Rusts Conference Bari, Italy*: 41-45.
747. Lafever HN 1979 Registration of 'Titan' wheat. *Crop Science* 19: 749.
748. Lafever HN 1985 Registration of 'Adena' wheat. *Crop Science* 25: 1131.
749. Lafever HN 1988 Registration of 'Becker' wheat. *Crop Science* 28: 376.
750. Lafever HN 1988 Registration of 'Cardinal' wheat. *Crop Science* 28: 377.
751. Lafever HN 1988 Registration of 'GR855' wheat. *Crop Science* 28: 378-379.
752. Lafever HN & Berzonsky WA 1993 Registration of 'Excel' wheat. *Crop Science* 33: 648.
753. Lafever HN & Berzonsky WA 1993 Registration of 'GR876' wheat. *Crop Science* 33: 647-648.
754. Lagudah ES & Halloran GM 1988 Phylogenetic relationships of *Triticum tauschii*, the D

- genome donor to hexaploid wheat.2. Inheritance and chromosomal mapping of the HMW subunits of glutenin and gliadin gene loci of *T. tauschii*. Theoretical and Applied Genetics 75: 599-605.
755. Lagudah ES & Halloran GM 1988 Phylogenetic relationships of *Triticum tauschii*, the D genome donor of hexaploid wheat 1. Variation in HMW subunits of glutenin and gliadins. Theoretical and Applied Genetics 75: 592-598.
756. Lagudah ES & Halloran GM 1989 Phylogenetic relationships of *Triticum tauschii*, the D genome donor to hexaploid wheat 3. Variation in, and the genetics of, seed esterases (*Est-5*). Theoretical and Applied Genetics 77: 851-856.
757. Lagudah ES, Appels R, Brown AHD & McNeil D 1991 The molecular genetic analysis of *Triticum tauschii*-the D genome donor to hexaploid wheat. Genome 34: 375-386.
758. Lagudah ES, Clarke BC & Appels R 1989 Phylogenetic relationships of *Triticum tauschii*, the D-genome donor to hexaploid wheat. 4. Variation and chromosomal location of 5S DNA. Genome 32: 1017-1025.
759. Lagudah ES, Flood RG & Halloran GM 1987 Variation in high molecular weight glutenin subunits in landraces of hexaploid wheat from Afghanistan. Euphytica 36: 3-9.
760. Laikova LI, Maystrenko OI, Gaidalensk RF & Mischenko SV 1980 (Cytogenetic study of the series ditelosomic lines for spring common wheat cultivar Saratovskaya 29). [In Russian]. Actual Questions of Plant Genetics and Breeding, Novosibirsk, 171
761. Lange W & Jochemsen G 1987 Inheritance of hairy leaf sheath in *Triticum dicoccoides*. Cereal Research Communications 15: 139-142.
762. Lange W & Riley R 1973 The position on chromosome 5B of wheat of the locus determining crossability with rye. Genetical Research, Cambridge 22: 143-153.
763. Laroche A, Demeke T & Gaudet DA 1996 Identification of a DNA fragment linked to the bunt *Bt-10* resistance gene and its utilization for marker-assisted selection in hexaploid wheat. Canadian Journal of Plant Pathology 18: 491.
764. Larson RI & Atkinson TG 1981 Reaction of wheat to common root rot: Identification of a major gene, *Crr*, on chromosome 5B. Canadian Journal of Genetics and Cytology 23: 173-182.
765. Larson RI & Atkinson TG 1982 Reaction of wheat to common root rot: linkage of a major gene, *Crr*, with the centromere of chromosome 5B. Canadian Journal of Genetics and Cytology 24: 19-25.
766. Laurie DA, Pratchett N, Bezant JH & Snape JW 1994 Genetic analysis of a photoperiod response gene on the short arm of chromosome 2 (2H) of *Hordeum vulgare*. Heredity 72: 619-627.
767. Laurie DA, Pratchett N, Bezant JH & Snape JW 1995 RFLP mapping of five major genes and eight quantitative trait loci controlling flowering time in a winter x spring barley (*Hordeum vulgare* L.) cross. Genome 38: 575-585.
768. Law CN 1966 The location of genetic factors affecting a quantitative character in wheat. Genetics 53: 487-493.
769. Law CN Personal communication.
770. Law CN & Johnson R 1967 A genetic study of leaf rust resistance in wheat. Canadian Journal of Genetics and Cytology 9: 805-822.
771. Law CN & Wolfe MS 1966 Location of genetic factors for mildew resistance and ear emergence time on chromosome 7B of wheat. Canadian Journal of Genetics and Cytology 8: 462-470.
772. Law CN, Snape JW & Worland AJ 1981 Intra-specific chromosome manipulation. Philosophical Transactions of the Royal Society of London, B 292: 509-518.

773. Law CN, Suarez E, Miller TE & Worland AJ 1998 The influence of the group 1 chromosomes of wheat on ear-emergence times and their involvement with vernalization and day length. *Heredity* 80: 83-91.
774. Law CN, Sutka J & Worland AJ 1978 A genetic study of day-length response in wheat. *Heredity* 41: 185-191.
775. Law CN, Worland AJ & Giorgi B 1975 The genetic control of ear emergence time by chromosomes 5A and 5D of wheat. *Heredity* 36: 49-58.
776. Law CN, Worland AJ, Hollins TW, Koebner RMD & Scott PR 1988 The genetics of two sources of resistance to eyespot (*Pseudocercospora herpotrichoides*) in wheat. Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 835-840.
777. Law CN, Young CF, Brown JWS, Snape JW & Worland AJ 1978 The study of grain protein control in wheat using whole chromosome substitution lines. *In*, Seed Protein Improvement by Nuclear Techniques I.A.E.A., Vienna, Austria 483-502.
778. Lawrence GJ 1986 The high-molecular-weight glutenin subunit composition of Australian wheat cultivars. *Australian Journal of Agricultural Research* 37: 125-133.
779. Lawrence GJ & Appels R 1986 Mapping the nucleolus organiser region, seed protein loci, and isozyme loci on chromosome 1R in rye. *Theoretical and Applied Genetics* 71: 742-749.
780. Lawrence GJ & Shepherd KW 1980 Variation in glutenin protein subunits in wheat. *Australian Journal of Biological Sciences* 33: 221-233.
781. Lawrence GJ & Shepherd KW 1981 Chromosomal locations of genes controlling seed proteins in species related to wheat. *Theoretical and Applied Genetics* 59: 25-31.
782. Lawrence GJ, Macritchie F & Wrigley CW 1988 Dough and baking quality of wheat lines deficient in glutenin subunits controlled by the *Glu-A1*, *Glu-B1* and *Glu-D1* loci. *Journal of Cereal Science* 7: 109-112.
783. Lazar MD, Peterson GL & Hu J 1995 Multigenic inheritance of biotype-E greenbug resistance in wheat. *Plant Breeding* 114: 492-496.
784. Lazarus CM, Baulcombe DC & Martionssen RA 1985 Amylase genes of wheat are two multigene families which are differentially expressed. *Plant Molecular Biology* 5: 13-24.
785. Le Roux J & Rijkenberg FHJ 1987 Pathotypes of *Puccinia graminis* f. sp. *tritici* with increased virulence for *Sr24*. *Plant Disease* 71: 1115-1119.
786. Leath S & Heun M 1990 Identification of powdery mildew resistance genes in cultivars of soft red winter wheats. *Plant Disease* 74: 747-752.
787. Lebsack KL & Briggles LW 1974 Gene *Pm5* for resistance to *Erysiphe graminis* f. sp. *tritici* in Hope wheat. *Crop Science* 14: 561-563.
788. Lebsack KL, Joppa LR & Walsh D 1973 Effect of daylength response on agronomic and quality characteristics of durum wheat. *Crop Science* 13: 670-674.
789. Leckie D, Snape JW & Parker BB 1988 Intrachromosomal mapping of the herbicide resistance gene *Dfq1* in hexaploid wheat. Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 551-554.
790. Lein A 1943 (The genetical basis of the crossability between wheat and rye.). *Z. Ind. Abst. Vererbl.* 81: 28-61. *Cited* *Plant Breeding Abstracts* 14: 1197, p. 304.
791. Leisle D & Ausemus ER 1965 Inheritance of stem rust reaction in a Frontana-Kenya 58-Newthatch derivative. *Canadian Journal of Genetics and Cytology* 7: 422-429.
792. Leisle D, Kovacs MI & Howes N 1985 Inheritance and linkage relationships of gliadin proteins and glume colour in durum wheat. *Canadian Journal of Genetics and Cytology* 27: 716-721.



793. Leitch IJ & Heslop-Harris JS 1993 Physical mapping of four sites of 5S rDNA sequences and one site of the  $\alpha$ -amylase-2 gene in barley (*Hordeum vulgare*). *Genome* 36: 517-523.
794. Leitch IJ & Heslop-Harrison JS 1992 Physical mapping of the 18S-5.8S-2.6S rRNA genes in barley by *in situ* hybridization. *Genome* 35: 1013-1018.
795. Levy AA & Feldman M 1987 Personal communication.
796. Levy AA & Feldman M 1988 Ecogeographical distribution of HMW glutenin alleles in populations of the wild tetraploid wheat *Triticum turgidum* var. *dicoccoides*. *Theoretical and Applied Genetics* 75: 651-658.
797. Levy AA & Feldman M 1989 Genetics of morphological traits in wild wheat, *Triticum turgidum* var. *dicoccoides*. *Euphytica* 40: 275-281.
798. Levy AA, Galili G & Feldman M 1988 Polymorphism and genetic control of high molecular weight glutenin subunits in wild tetraploid wheat *Triticum turgidum* var. *dicoccoides*. *Heredity* 61: 63-72.
799. Levy O, Benyamini Y, Rubin B, Krugman T & Nevo E 1996 Chlortoluron resistance identification and genetic analysis in wild emmer wheat (*Triticum dicoccoides*). Proceedings of the Second International Weed Control Congress Copenhagen, Denmark, 25-28 June, 1996: Volumes 1-4. Department of Weed Control and Pesticide Ecology, Slagelse, Denmark. Pp 523-528.
800. Liang GH, Wang RC, Niblett CL & Heyne EG 1979 Registration of B-6-37-1 wheat germplasm. *Crop Science* 19: 421.
801. Limin AE, Danyluk J, Chauvin L-P, Fowler DB & Sarhan F 1997 Chromosome mapping of low-temperature induced Wcs120 family genes and regulation of cold-tolerance expression in wheat. *Molecular and General Genetics* 253: 720-727.
802. Limpert E, Felsenstein FG & Andrivon D 1987 Analysis of virulence in populations of wheat powdery mildew in Europe. *Journal of Phytopathology* 120: 1-8.
803. Litts JC, Simmons CR, Karrer CF, Huang RL & Rodriguez RL 1990 The isolation and characterization of a barley 1,3-1,4-b-glucanase gene. *European Journal of Biochemistry* 194: 831-838.
804. Liu B, Segal G, Vega JM, Feldman M & Abbo S 1997 Isolation and characterization of chromosome-specific DNA sequences from a chromosome arm genomic library of common wheat. *The Plant Journal* 11: 959-965.
805. Liu BH 1987 Isolation of a spontaneous chromosome translocation in common wheat. *Plant Breeding* 98: 266-267.
806. Liu BH & Deng JY 1986 A dominant gene for male sterility in wheat. *Plant Breeding* 97: 204-209.
807. Liu BH & Deng JY 1986 Genome study and telosomic analysis of the single dominant male-sterile *Ta1* gene in common wheat. *Scientia Sinica (Series B)* 29: 516-526.
808. Liu CJ 1991 Biochemical markers in wheat. PhD Thesis, Cambridge University, UK.
809. Liu CJ & Gale MD 1988 Three new marker systems, iodine binding factor (*Ibf-1*), malic enzyme (*Mal-1*) and malate dehydrogenase (*Mdh-3*) in wheat and related species. Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 555-560.
810. Liu CJ & Gale MD 1989 Evidence for the genetic control of hexokinase isozymes by homoeologous group 3 chromosomes in wheat. *Cereal Research Communications* 17: 101-104.
811. Liu CJ & Gale MD 1989 The chromosomal location of a third set of malate dehydrogenase loci, *Mdh-3*, in wheat, barley and related species. *Theoretical and Applied Genetics* 78: 349-352.

812. Liu CJ & Gale MD 1990 *Est-7*, a set of genes controlling green tissue esterases in wheat and related species. *Theoretical and Applied Genetics* 79: 781-784.
813. Liu CJ & Gale MD 1991 The chromosomal location of genes encoding NADH dehydrogenase isozymes in hexaploid wheat and related species. *Genome* 34: 44-51.
814. Liu CJ & Gale MD 1994 The genetical control and tissue-specificity of esterase isozymes in hexaploid wheat. *Theoretical and Applied Genetics* 88: 796-802.
815. Liu CJ, Atkinson MD, Chinoy CN, Devos KM & Gale MD 1992 Nonhomoeologous translocations between group 4, 5 and 7 chromosomes within wheat and rye. *Theoretical and Applied Genetics* 83: 305-312.
816. Liu CJ, Chao S & Gale MD 1989 The genetical control of tissue specific peroxidases, *Per-1*, *Per-2*, *Per-3*, *Per-4*, and *Per-5* in wheat. *Theoretical and Applied Genetics* 79: 305-313.
817. Liu CJ, Chao S & Gale MD 1989 *Wsp-1*, a set of genes controlling water-soluble proteins in wheat and related species. *Genetical Research, Cambridge* 54: 173-181.
818. Liu CJ & Gale MD 1989 *Ibf-1* (Iodine binding factor), a highly variable marker system in the *Triticeae*. *Theoretical and Applied Genetics* 77: 233-240.
819. Liu C-Y 1995 Identification of a new low-Mr glutenin subunit locus on chromosome 1B of durum wheat. *Journal of Cereal Science* 21: 209-213.
820. Liu JQ & Kolmer JA 1997 Genetics of leaf rust resistance in Canadian spring wheats AC Domain and AC Taber. *Plant Disease* 81: 757-760.
821. Liu JQ & Kolmer JA 1997 Inheritance of leaf rust resistance in wheat cultivars Grandin and CDC Teal. *Plant Disease* 81: 505-508.
822. Liu Y-G & Tsunewaki K 1991 Restriction fragment length polymorphism (RFLP) analysis in wheat. II. Linkage maps of the RFLP sites in common wheat. *Japanese Journal of Genetics* 66: 617-633.
823. Livers RW 1964 Fertility restoration and its inheritance in cytoplasmic male-sterile wheat. *Science* 144: 420.
824. Livers RW 1978 Registration of Larned wheat. *Crop Science* 18: 917-918.
825. Livers RW 1978 Registration of Sage wheat. *Crop Science* 18: 917.
826. Loegering WQ 1975 An allele for low reaction to *Puccinia graminis tritici* in Chinese Spring wheat. *Phytopathology* 65: 925.
827. Loegering WQ Personal communication.
828. Loegering WQ & Harmon DL 1969 Wheat lines near-isogenic for reaction to *Puccinia graminis tritici*. *Phytopathology* 59: 456-459.
829. Loegering WQ & Sears ER 1963 Distorted inheritance of stem rust resistance of Timstein wheat caused by a pollen-killing gene. *Canadian Journal of Genetics and Cytology* 5: 65-72.
830. Loegering WQ & Sears ER 1966 Relationships among stem-rust genes on wheat chromosomes 2B, 4B and 6B. *Crop Science* 6: 157-160.
831. Loegering WQ & Sears ER 1970 *Sr9d* - a gene in Hope wheat for reaction to *Puccinia graminis tritici*. *Zeitschrift für Pflanzenzüchtung* 64: 335-339.
832. Loegering WQ & Sears ER 1973 The gene for low reaction to *Puccinia graminis tritici* in the Thatcher-3B substitution line. *Crop Science* 13: 282.
833. Loi L, Ahluwalia B & Fincher GB 1988 Chromosomal location of genes encoding barley (1-3,1-4)-beta-Glucan 4-Glucanohydrolases. *Plant Physiology* 87: 300-302.
834. Longstaff M, Raines CA, McMorrow EM, Bradbeer JW & Dyer TA 1989 Wheat phosphoglycerate kinase: evidence for recombination between the genes for chloroplastic and cytosolic enzymes. *Nucleic Acids Research* 17: 6569-6580.
835. Longwell AR & Svihla G 1960 Specific chromosomal control of the nucleolus and of the

- cytoplasm in wheat. *Experimental Cell Research* 20: 294-312.
836. Lookhart GL, Hagman K & Kasarda DD 1993 High-molecular-weight glutenin subunits of the most commonly grown wheat cultivars in the U.S. in 1984. *Plant Breeding* 110: 48-62.
837. Love HH & Craig WT 1924 The inheritance of pubescent nodes in a cross between two varieties of wheat. *Journal of Agricultural Research* 28: 841-844.
838. Lowry JR, Sammons DJ, Baenziger PS & Moseman JG 1984 Identification and characterization of the gene conditioning powdery mildew resistance in 'Amigo' wheat. *Crop Science* 24: 129-132.
839. Luig NH 1964 Heterogeneity in segregation data from wheat crosses. *Nature* 204: 260-261.
840. Luig NH 1968 Mechanisms of differential transmission of gametes in wheat. *Proceedings of the 3rd International Wheat Genetics Symposium, Australian Academy of Science, Canberra* (Finlay KW & Shepherd KW eds.): 322-323.
841. Luig NH 1983 A Survey of Virulence Genes in Wheat Stem Rust, *Puccinia graminis* f. sp. *tritici*. Paul Parey, Berlin 212pp.
842. Luig NH Personal communication.
843. Luig NH & McIntosh RA 1968 Location and linkage of genes on wheat chromosome 2D. *Canadian Journal of Genetics and Cytology* 10: 99-105.
844. Luig NH & Watson IA 1965 Studies on the genetic nature of resistance to *Puccinia graminis* var. *tritici* in six varieties of common wheat. *Proceedings of the Linnaean Society of New South Wales* 90: 299-327.
845. Luig NH & Watson IA 1967 Vernstein - a *Triticum aestivum* derivative with Vernal emmer type stem rust resistance. *Crop Science* 7: 31-33.
846. Lukaszewski AJ & Curtis CA 1994 Transfer of the *Glu-D1* gene from chromosome 1D to chromosome 1A in hexaploid triticale. *Plant Breeding* 112: 177-182.
847. Lukow OM, Payne PI & Tkachuk R 1989 The HMW glutenin subunit composition of Canadian wheat cultivars and their association with bread-making quality. *Journal of Science Food and Agriculture* 46: 451-460.
848. Luo MC & Dvorak J 1996 Molecular mapping of an aluminum tolerance locus on chromosome 4D of Chinese Spring wheat. *Euphytica* 91: 31-35.
849. Luo MC, Dubcovsky J, Goyal S & Dvorak J 1996 Engineering of interstitial foreign chromosome segments containing the  $K^+/Na^+$  selectivity gene *Kna1* by sequential homoeologous recombination in durum wheat. *Theoretical and Applied Genetics* 93: 1180-1184.
850. Luo MC, Yen C & Yang JL 1993 Crossability percentages of bread wheat landraces from Shaanxi and Henan provinces, China, with rye. *Euphytica* 67: 1-8.
851. Lupton FCH & Macer RCF 1962 Inheritance of resistance to yellow rust (*Puccinia glumarum* Erikss. and Henn.) in seven varieties of wheat. *Transactions of the British Mycological Society* 45: 21-45.
852. Lutz J, Hsam SLK, Limpert E & Zeller FJ 1994 Powdery mildew resistance in *Aegilops tauschii* Coss. and synthetic hexaploid wheats. *Genetic Resources and Crop Evolution* 41: 151-158.
853. Lutz J, Hsam SLK, Limpert E & Zeller FJ 1995 Chromosomal location of powdery mildew resistance genes in *Triticum aestivum* L. (common wheat) 2. Genes *Pm2* and *Pm19* from *Aegilops squarrosa* L. *Heredity* 74: 152-156.
854. Lutz J, Katzhammer M, Stephan U, Felsenstein FG, Oppitz K & Zeller FJ 1995 Identification of powdery-mildew-resistance genes in common wheat (*Triticum aestivum* L. em Thell.). V. Old German cultivars and cultivars released in the former GDR. *Plant Breeding* 114: 29-33.

855. Lutz J, Limpert E, Bartos P & Zeller FJ 1992 Identification of powdery mildew resistance genes in common wheat (*Triticum aestivum* L.) I. Czechoslovakian cultivars. *Plant Breeding* 108: 33-39.
856. Ma H & Hughes GR 1993 Personal communication.
857. Ma H & Hughes GR 1995 Genetic control and chromosomal location of *Triticum timopheevii*-derived resistance to *septoria nodorum* blotch in durum wheat. *Genome* 38: 332-338.
858. Ma R, Zheng DS & Fan L 1996 The crossability percentages of 96 bread wheat landraces and cultivars from Japan and rye. *Euphytica* 92: 301-306.
859. Ma ZQ 1994 Personal communication.
860. Ma ZQ & Sorrells ME 1995 Genetic analysis of fertility restoration in wheat using restriction fragment length polymorphism. *Crop Science* 35: 1137-1143.
861. Ma ZQ, Gill BS, Sorrells ME & Tanksley SD 1993 RFLP markers linked to two Hessian fly-resistance genes in wheat (*Triticum aestivum* L.) from *Triticum tauschii* (Coss.) Schmal. *Theoretical and Applied Genetics* 85: 750-754.
862. Ma ZQ, Gill BS, Sorrells ME & Tanksley SD 1993 RFLP markers linked to two Hessian fly resistance genes in wheat (*Triticum aestivum* L.) from *Triticum tauschii* (Coss.) Schmal. *Theoretical and Applied Genetics* 85: 750-754.
863. Ma ZQ, Saidi A, Quick JS & Lapitan NLV 1998 Genetic mapping of Russian wheat aphid resistance genes *Dn2* and *Dn4* in wheat. *Genome* 41: 303-306.
864. Ma ZQ, Sorrells ME & Tanksley SD 1994 RFLP markers linked to powdery mildew resistance genes *Pm1*, *Pm2*, *Pm3* and *Pm4a* in wheat. *Genome* 37: 871-875.
865. Ma ZQ, Zhao ZH & Sorrells ME 1995 Inheritance and chromosomal location of a male fertility restoring gene transferred from *Aegilops umbellulata* Zhuk. to *Triticum aestivum* L. *Molecular and General Genetics* 247: 351-357.
866. Maan SS 1975 Exclusive preferential transmission of an alien chromosome in common wheat. *Crop Science* 15: 278-292.
867. Maan SS 1992 A gene for embryo-endosperm compatibility and seed viability in alloplasmic *Triticum turgidum*. *Genome* 35: 772-779.
868. Maan SS 1992 Genetic analysis of male fertility restoration in wheat: IV. Fertile line without major *Rf* genes. *Crop Science* 32: 24-28.
869. Maan SS 1992 Transfer of a species cytoplasm specific (*scs*) gene from *Triticum timopheevi* to *T. turgidum*. *Genome* 35: 238-243.
870. Maan SS 1994 Interactions between the *scs* and *Vi* genes in alloplasmic durum wheat. *Genome* 37: 210-216.
871. Maan SS Personal communication.
872. Maan SS, Carlson KM, Williams ND & Yang T 1987 Chromosomal arm location and gene-centromere distance of a dominant gene for male sterility in wheat. *Crop Science* 27: 494-500.
873. Maan SS, Lucken KA & Bravo JM 1984 Genetic analyses of male fertility restoration in wheat I. Chromosome location of *Rf* genes. *Crop Science* 24: 17-20.
874. Maas FB, Patterson FL, Foster JE & Hatchett JH 1987 Expression and inheritance of resistance of 'Marquillo' wheat to Hessian fly. *Crop Science* 27: 49-52.
875. Maas FB, Patterson FL, Foster JE & Ohm HW 1989 Expression and inheritance of resistance of ELS6404-160 durum wheat to Hessian fly. *Crop Science* 29: 23-28.
876. MacDonald MD 1987 Registration of two winter wheat disomic whole chromosome substitution germplasm lines. *Crop Science* 27: 1097.

877. Macer RCF 1966 The formal and monosomic genetic analysis of stripe rust (*Puccinia striiformis*) resistance in wheat. Proceedings of the 2nd International Wheat Genetics Symposium, Lund, Sweden 1963 (MacKey J ed.): Hereditas Supplement 2: 127-142.
878. Macer RCF 1975 Plant pathology in a changing world. Transactions of the British Mycological Society 65: 351-374.
879. Macindoe SL & Walkden-Brown C 1968 Wheat Breeding in Australia. Science Bulletin, Third Edition. Division of Plant Industry, New South Wales Department of Agriculture, Australia. 76: 255pp..
880. Mackay MC 1987 Register of Cereal Cultivars in Australia; cv. Schomburgk. The Journal of the Australian Institute of Agricultural Science 53: 120-122.
881. MacKey J 1954 Neutron and x-ray experiments in wheat and a revision of the speltoid problem. Hereditas 40: 65-180.
882. Mahgoub El-S & Obenbach W 1988 Genetical analysis of wheat endosperm storage proteins using reciprocal sets of inbred backcross lines. Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 571-576.
883. Maystrenko OI 1973 (Location of chromosomes carrying the genes *Vrn1* and *Vrn3* suppressing winter habit in wheat.). Tsitogentich. Issled. Aneuploidov Myagk. Pshenitsy. Novosibirsk. U.S.S.R. 745: 169-177. Cited Plant Breeding Abstracts 46: 8823, p. 745.
884. Maystrenko OI 1976 (Identification and location of genes controlling leaf hairiness in young plants of bread wheat). Genetika, U.S.S.R. 12: 5-15. Cited Plant Breeding Abstracts 47: 9205, p. 784.
885. Maystrenko OI 1980 Cytogenetic study of the growth habit and ear-emergence time in wheat (*Triticum aestivum* L.). Well-Being of Mankind and Genetics: Proceedings of the 14th International Congress of Genetics MIR Publishers, Moscow. Vol 1, Book 2: 267-282.
886. Maystrenko OI 1986 Personal communication.
887. Maystrenko OI & Aliev EB 1985 Chromosomal location of genes responsible for photoperiodic reaction in a non-sensitive spring variety of common wheat, Shabati Sonora. Cereal Research Communications 13: 363-369.
888. Mao L, Devos KM, Zhu L & Gale MD 1997 Cloning and genetic mapping of wheat telomere-associated sequences. Molecular and General Genetics 254: 584-591.
889. Marais GF 1990 Preferential transmission in bread wheat of a chromosome segment derived from *Thinopyrum distichum* (Thunb.) Love. Plant Breeding 104: 152-159.
890. Marais GF 1992 Gamma irradiation induced deletions in an alien chromosome segment of the wheat 'Indis' and their use in gene mapping. Genome 35: 225-229.
891. Marais GF 1992 Genetic control of a response to the segregation allele, *Sd-1d* in the common wheat line 'Indis'. Euphytica 60: 89-95.
892. Marais GF 1992 The modification of a common wheat-*Thinopyrum distichum* translocated chromosome with a locus homoeoallelic to *Lr19*. Theoretical and Applied Genetics 35: 73-78.
893. Marais GF 1997 Personal communication.
894. Marais GF, Wessels WG & Horn M 1998 Association of a stem rust resistance gene (*Sr45*) and two Russian wheat aphid resistance genes (*Dn5* and *Dn7*) with mapped structural loci in wheat. South African Journal of Plants and Soil 15(2): 61-67.
895. Marais GF & du Toit F A monosomic analysis of Russian wheat aphid resistance in the common wheat PI 294994. Plant Breeding 111: 246-248.
896. Marais GF & Marais AS 1994 The derivation of compensating translocations involving homoeologous group 3 chromosomes of wheat and rye. Euphytica 79: 75-80.

897. Marais GF, Potgieter GF, Roux HS & le Roux J 1994 An assessment of the variation for stem rust resistance in the progeny of a cross involving the *Triticum* species *aestivum*, *turgidum* and *tauschii*. South African Journal of Plants and Soil 11: 15-19.
898. Marana C, Garcia-Olmedo F & Carbonero P 1988 Linked sucrose synthase genes in group-7 chromosomes in hexaploid wheat (*Triticum aestivum* L.). Gene 63: 253-260.
899. Marchylo BA, Lukow OM & Kruger JE 1992 Quantitative variation in high molecular weight glutenin subunit 7 in some Canadian wheats. Journal of Cereal Science 15: 29-37.
900. Marino CL, Nelson JC, Lu YH, Sorrells ME, Leroy P, Tuleen NA, Lopes CR & Hart GE 1996 Molecular genetic maps of the group 6 chromosomes of hexaploid wheat (*Triticum aestivum* L. em. Thell.). Genome 39: 359-366.
901. Marshall D, Gardenshire JH, Gilmore EC, McDaniel ME & Erikson CA 1988 Registration of 'Collin' wheat. Crop Science 28: 868.
902. Martienssen RA 1986 The molecular genetics of alpha-amylase gene families in wheat (*Triticum aestivum* L.). PhD Thesis, Cambridge University, UK.
903. Martin TJ, Harvey TL & Hatchett JH 1982 Registration of greenbug and Hessian fly resistant wheat germplasm. Crop Science 22: 1089.
904. Martin TJ, Sears RG, Hatchett JH, Wetzel DL, Shogren MD, Witt MD & Lawless JR 1988 Registration of 'Norkan' wheat. Crop Science 28: 198.
905. Martinez I, Bernard M, Nicolas P & Bernard S 1994 Study of androgenetic performance and molecular characterisation of a set of wheat-rye addition lines. Theoretical and Applied Genetics 89: 982-990.
906. Martini G, O'Dell M & Flavell RB 1982 Partial inactivation of wheat nucleolus organisers by the nucleolus organiser chromosomes from *Aegilops umbellulata*. Chromosoma 84: 687-700.
907. Masojc P & Gale MD 1991 a-Amylase structural genes in rye. Theoretical and Applied Genetics 82: 771-776.
908. Masojc P, Zawistowski J, Howes NK, Aung T & Gale MD 1993 Polymorphism and chromosomal location of an endogenous a-amylase inhibitor gene in common wheat. Theoretical and Applied Genetics 85: 1043-1048.
909. Masua S, Liu YG, Sakamoto A, Nakajama T, Iwabuchi M & Tsunewaki K 1993 Chromosomal locations of the genes for histones and a histone gene binding protein family HBP-1 in common wheat. Plant Molecular Biology 22: 603-614.
910. Matsumura S 1936 (Genetical studies on pentaploid wheat hybrids. II. Inheritance of the morphological characters independent of chromosome numbers in the combination of *Triticum polonicum* x *T. spelta*). Japanese Journal of Genetics 12: 289-306. Cited Plant Breeding Abstracts 7: 953, p.303.
911. Matsumura S 1950 Linkage studies in *Triticum* II. P-linkage and the manifold effects of the P gene. Japanese Journal of Genetics 25: 111-118. Cited Plant Breeding Abstracts 23 (1953): 2557, p.555.
912. Matsumura S 1951 Other studies on wheats. Annual Report of the National Institute of Genetics, Japan 1949-50 1: 25-27. Cited Plant Breeding Abstracts 23: 171, p.44.
913. Matsumura S & Mochizuki A 1943 (Linkage studies in common wheat). Japanese Journal of Genetics 19: 104-106. Cited Plant Breeding Abstracts 21: 2527, p.824.
914. Matsumura S & Mochizuki A 1943 Linkage studies in wheat, I. S-group. Seiken Zihō 2: 14-23. Cited Plant Breeding Abstracts 20: 1523, p.470.
915. Mattern PJ, Morris R, Schmidt JW & Johnson VA 1973 Location of genes for kernel properties in the wheat variety 'Cheyenne' using chromosome substitution lines. Proceedings of the 4th International Wheat Genetics Symposium Columbia, Missouri (Sears ER & Sears

- LMS eds.): 703-708.
916. May CE & Appels R 1984 Seedling lethality in wheat a novel phenotype associated with a 2RS/2BL translocation chromosome. *Theoretical and Applied Genetics* 68: 163-168.
917. May CE & Appels R 1987 Variability and genetics of spacer DNA sequences between the ribosomal-RNA genes of hexaploid wheat (*Triticum aestivum*). *Theoretical and Applied Genetics* 74: 617-624.
918. May CE & Appels R 1988 Allelism of the nucleolus organiser regions of hexaploid wheat. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK* (Miller TE & Koebner RMD eds.): 577-583.
919. May CE, Vickery RS & Driscoll CJ 1973 Gene control in hexaploid wheat. *Proceedings of the 4th International Wheat Genetics Symposium Columbia, Missouri* (Sears ER & Sears LMS eds.): 843-849.
920. Maystrenko OI 1987 Discovery of allelism in *Vrn2* locus of common wheat, its development type and its chromosome localization. *Ecological Genetics of Plants and Animals. Thesis Reports, 3rd All-Union Conference. Kishinev, 'Shtiintsa'* (In Russian). p. 148-149.
921. Maystrenko OI 1992 The use of cytogenetic methods in ontogenesis study of common wheat. *In: Ontogenetics of higher plants. Kishinev, 'Shtiintsa'*. (In Russian). p. 98-114.
922. Maystrenko OI 1993 Personal communication.
923. Yelokhina LP 1989 Genetic control of spike coloration in the common spring wheat cv. 'Miltirum 553'. *Proc Conf Sci Advanc Agric, Omsk, Russia Part 1*: 13-14.
924. Maystrenko OI 1993 Identification and chromosome localization of gene *Rg3* controlling red glume colour of the common wheat ear. (In press). (In Russian).
925. Maystrenko OI 1993 Personal communication.
- 926.
927. Maystrenko OI & Gamzikova OI 1993 Personal communication.
928. McDonald D, McIntosh RA, Wellings CR, Singh RP & Nelson JC 2004 Cytogenetical Studies in Wheat XIX. Location and linkage studies on gene *Yr27* for resistance to stripe (yellow) rust. *Euphytica* 239-248.
929. McIntosh RA 1972 Cytogenetical studies in wheat VI. Chromosome location and linkage studies involving *Sr13* and *Sr8* for reaction to *Puccinia graminis* f. sp. *tritici*. *Australian Journal of Biological Sciences* 25: 765-773.
930. McIntosh RA 1976 Genetics of wheat and wheat rusts since Farrer. *Journal of the Australian Institute of Agricultural Science* 42: 203-216.
931. McIntosh RA 1977 Nature of induced mutations affecting disease reaction in wheat. *Induced Mutations against Plant Disease I.A.E.A., Vienna*. 551-565.
932. McIntosh RA 1978 Cytogenetical studies in wheat. X. Monosomic analysis and linkage studies involving genes for resistance to *Puccinia graminis* f. sp. *tritici* in cultivar Kota. *Heredity* 41: 71-82.
933. McIntosh RA 1980 Chromosome location and linkage studies involving the wheat stem rust resistance gene *Sr14*. *Cereal Research Communications* 8: 315-320.
934. McIntosh RA 1981 A gene for stem rust resistance in non-homoeologous chromosomes of hexaploid wheat progenitors. *Proceedings XIII International Botanical Congress, Sydney, Australia*. (Carr DJ ed.): 274.
935. McIntosh RA 1983 Genetic and cytogenetic studies involving *Lr18* for resistance to *Puccinia recondita*. *Proceedings of the 6th International Wheat Genetics Symposium Kyoto, Japan* (Sakamoto S ed.): 777-783.

936. McIntosh RA 1988 Catalogue of gene symbols for wheat. Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 2: 1225-1323.
937. McIntosh RA 1992 Close genetic linkage of genes conferring adult-plant resistance to leaf rust and stripe rust in wheat. *Plant Pathology* 41: 523-527.
938. McIntosh RA 1994 Unpublished.
939. McIntosh RA Unpublished.
940. McIntosh RA & Arts CJ 1996 Genetic linkage of the *Yr1* and *Pm4* genes for stripe rust and powdery mildew resistances in wheat. *Euphytica* 89: 401-403.
941. McIntosh RA & Baker EP 1967 Inheritance of purple pericarp in wheat. Proceedings of the Linnaean Society of New South Wales 92: 204-208.
942. McIntosh RA & Baker EP 1968 A linkage map for chromosome 2D. Proceedings of the 3rd International Wheat Genetics Symposium, Australian Academy of Science, Canberra (Findlay KW & Shepherd KW eds.): 305-309.
943. McIntosh RA & Baker EP 1968 Chromosome location and linkage studies involving the *Pm3* locus for powdery mildew resistance in wheat. Proceedings of the Linnaean Society of New South Wales 93: 232-238.
944. McIntosh RA & Baker EP 1969 Telocentric mapping of a second gene for grass-clump dwarfism. *Wheat Information Service* 29: 6-7.
945. McIntosh RA & Baker EP 1970 Cytogenetic studies in wheat IV. Chromosome location and linkage studies involving the *Pm2* locus for powdery mildew resistance. *Euphytica* 19: 71-77.
946. McIntosh RA & Baker EP 1970 Cytogenetic studies in wheat V. Monosomic analysis of Vernstein stem rust resistance. *Canadian Journal of Genetics and Cytology* 12: 60-65.
947. McIntosh RA & Bennett FGA 1978 Telocentric mapping of genes *Pm3a* and *Hg* on chromosome 1A of hexaploid wheat. *Cereal Research Communications* 6: 9-14.
948. McIntosh RA & Dyck PL 1975 Cytogenetical studies in wheat VII. Gene *Lr23* for reaction to *Puccinia recondita* in Gabo and related cultivars. *Australian Journal of Biological Sciences* 28: 201-211.
949. McIntosh RA & Gyrfas J 1971 *Triticum timopheevi* as a source of resistance to wheat stem rust. *Zeitschrift für Pflanzenzüchtung* 66: 240-248.
950. McIntosh RA & Luig NH 1973 Linkage of genes for reaction to *Puccinia graminis* f. sp. *tritici* and *P. recondita* in Selkirk wheat and related cultivars. *Australian Journal of Biological Sciences* 26: 1145-1152.
951. McIntosh RA & Luig NH 1973 Recombination between genes for reaction to *Puccinia graminis* at or near the *Sr9* locus. Proceedings of the 4th International Wheat Genetics Symposium, Columbia, Missouri (Sears ER & Sears LMS eds.): 425-532.
952. McIntosh RA et al 1995 In preparation.
953. McIntosh RA et al 1998 Personal communication.
954. McIntosh RA, Baker EP & Driscoll CJ 1965 Cytogenetic studies in wheat I. Monosomic analysis of leaf rust resistance in cultivars Uruguay and Transfer. *Australian Journal of Biological Sciences* 18: 971-977.
955. McIntosh RA, Dyck PL & Green GJ 1974 Inheritance of reaction to stem rust and leaf rust in the wheat cultivar Etoile de Choisy. *Canadian Journal of Genetics and Cytology* 16: 571-577.
956. McIntosh RA, Dyck PL & Green GJ 1977 Inheritance of leaf rust and stem rust resistances in wheat cultivars Agent and Agatha. *Australian Journal of Agricultural Research* 28: 37-45.



957. McIntosh RA, Dyck PL, The TT, Cusick JE & Milne DL 1984 Cytogenetical studies in wheat XIII. *Sr35*-a third gene from *Triticum monococcum* for resistance to *Puccinia graminis tritici*. *Zeitschrift fur Pflanzenzuchtung* 92: 1-14.
958. McIntosh RA, Friebe B, Jiang J, The D & Gill BS 1995 Chromosome location of a new gene for resistance to leaf rust in a Japanese wheat-rye translocation line. *Euphytica* 82: 141-147.
959. McIntosh RA, Hart GE & Gale MD 1989 Catalogue of gene symbols for wheat: 1989 supplement. *Annual Wheat Newsletter* 35: 231-241.
960. McIntosh RA, Hart GE & Gale MD 1991 Catalogue of gene symbols: 1991 supplement. *Wheat Newsletter* 37: 200-216.
961. McIntosh RA, Hart GE & Gale MD 1995 Catalogue of gene symbols for wheat. *Proceedings 8th International Wheat Genetics Symposium, Beijing, 1993* (Li ZS & Xin ZY eds.): 1333-1500.
963. McIntosh RA, Hart GE, Devos, KM & Gale MD 1997 Catalogue of gene symbols for wheat: 1997 Supplement. *Wheat Information Service* 85: 56-81.
964. McIntosh RA, Luig NH & Baker EP 1967 Genetic and cytogenetic studies of stem rust, leaf rust and powdery mildew resistances in Hope and related wheat cultivars. *Australian Journal of Biological Sciences* 20: 1181-1192.
965. McIntosh RA, Luig NH, Johnson R & Hare RA 1981 Cytogenetical studies in wheat XI. *Sr9g* for reaction to *Puccinia graminis tritici*. *Zeitschrift fur Pflanzenzuchtung* 87: 274-289.
966. McIntosh RA, Luig NH, Milne DL & Cusick JE 1983 Vulnerability of triticales to wheat stem rust. *Canadian Journal of Plant Pathology* 5: 61-69.
967. McIntosh RA, Miller TE & Chapman V 1982 Cytogenetical studies in wheat XII. *Lr28* for resistance to *Puccinia recondita* and *Sr34* for resistance to *P. graminis tritici*. *Zeitschrift fur Pflanzenzuchtung* 89: 295-306.
968. McIntosh RA, Partridge M & Hare RA 1980 Telocentric mapping of *Sr12* in wheat chromosome 3B. *Cereal Research Communications* 8: 321-324.
969. McIntosh RA, Silk J & The TT 1996 Cytogenetic studies in wheat XVII. Monosomic analysis and linkage relationships of gene *Yr15* for resistance to stripe rust. *Euphytica* 89: 395-399.
970. McIntosh RA, Wellings CR & Park RF 1995 *Wheat Rusts: An Atlas of Resistance Genes*. CSIRO Australia.
971. McMillan JRA 1936 "Firing" - a heritable character of wheat. *Journal of the Council of Science Industry and Research of Australia* 9: 283-294.
972. McMillan JRA 1937 Investigations on the occurrence and inheritance of the grass clump character in crosses between varieties of *Triticum vulgare* (Vill.). *Bulletin of the Commonwealth Scientific Industry and Research Organization* 104: 68pp..
973. McMillin DE, Allan RE & Roberts DE 1986 Association of an isozyme locus and strawbreaker foot rot resistance derived from *Aegilops ventricosa* in wheat. *Theoretical and Applied Genetics* 72: 743-747.
974. McMillin DE, Johnson JW & Roberts JJ 1993 Linkage between endopeptidase *Ep-Dld* and a gene conferring leaf rust resistance (*Lr19*) in wheat. *Crop Science* 33: 1201-1203.
975. McNeal FH 1960 Yield components in a Lemhi x Thatcher wheat cross. *Agronomy Journal* 52: 348-349.
976. McVey DV 1989 Verification of infection-type data for identification of genes for resistance to leaf rust in some hard red spring wheats. *Crop Science* 29: 304-307.
977. McVey DV & Hamilton K 1985 Stem rust resistance gene from Triumph 64 identified in four other winter wheats. *Plant Disease* 69: 217-218.

978. McVey DV & Long DL 1993 Genes for leaf rust resistance in hard red winter wheat cultivars and parental lines. *Crop Science* 33: 1373-1381.
979. McVey DV & Roelfs AP 1975 Postulation of genes for stem rust resistance in the entries of the Fourth International Winter Wheat Performance Nursery. *Crop Science* 15: 335-337.
980. McVittie JA, Gale MD, Marshall GA & Westcott B 1978 The intra-chromosomal mapping of the Norin 10 and Tom Thumb genes. *Heredity* 40: 67-70.
981. Meadows JW, Hulford A, Raines CA & Robinson C 1991 Nucleotide sequence of a cDNA clone encoding the precursor of the 33 kDa protein of the oxygen-evolving complex from wheat. *Plant Molecular Biology* 16: 1085-1087.
982. Mecham DK, Kasarda DD & Qualset CO 1978 Genetic aspects of wheat gliadin proteins. *Biochemical Genetics* 16: 831-853.
983. Melz G & Thiele V 1990 Chromosome location of genes controlling 'purple leaf base' in rye and wheat. *Euphytica* 49: 155-159.
984. Mena M, Orellana J, Lopez-Brana I, Garcia-Olmedo F & Delibes A 1989 Biochemical and cytological characterization of wheat/*Aegilops ventricosa* additions and transfer lines carrying chromosome 4M<sup>v</sup>. *Theoretical and Applied Genetics* 77: 184-188.
985. Mena M, Orellana J, Lopez-Brana I, Garcia-Olmedo F & Delibes A 1993 Characterization of wheat/*Aegilops ventricosa* introgression and addition lines with respect to the M<sup>v</sup> genome. *Theoretical and Applied Genetics* 86: 197-204.
986. Merker A 1982 "Veery"- a CIMMYT spring wheat with the 1B/1R chromosome translocation. *Cereal Research Communications* 10: 105-106.
987. Metakovsky EV 1990 Organization of gliadin-encoding genes which are genetic markers in wheat. *Molecular Mechanisms of Genetic Processes*, Nauka, Moscow (Sozinov AA & Schuppe NG eds.): 157-168.
988. Metakovsky EV 1991 Gliadin allele identification in common wheat II. Catalogue of gliadin alleles in common wheat. *Journal of Genetics and Breeding* 45: 325-344.
989. Metakovsky EV & Baboev SK 1992 Polymorphism and inheritance of gliadin polypeptides in *T. monococcum* L. *Theoretical and Applied Genetics* 84: 971-978.
990. Metakovsky EV & Baboev SK 1992 Polymorphism of gliadin and unusual gliadin alleles in *Triticum boeoticum*. *Genome* 35: 1007-1012.
991. Metakovsky EV & Branlard G 1998 Genetic diversity of French common wheat germplasm based on gliadin alleles. *Theoretical and Applied Genetics* 96: 209-218.
992. Metakovsky EV & Sozinov AA 1987 Organization, variability and stability of the family of the gliadin-coding genes in wheat: genetic data. *Gluten proteins. Proceedings of the 3rd International Workshop, Budapest, Hungary* (Lastity R & Bekes F eds.): 30-45.
993. Metakovsky EV, Akhmedov MG & Sozinov AA 1986 Genetic analysis of gliadin-encoding genes reveals gene clusters as well as single remote genes. *Theoretical and Applied Genetics* 73: 278-285.
994. Metakovsky EV, Knezevic D & Javornik B 1991 Gliadin allele composition of Yugoslav wheat cultivars. *Euphytica* 54: 285-295.
995. Metakovsky EV, Ng PKW, Chernakov VM, Pogna NE & Bushuk W 1993 Gliadin alleles in Canadian western red spring wheat cultivars: use of two different procedures of acid polyacrylamide gel electrophoresis for gliadin separation. *Genome* 36: 743-749.
996. Metakovsky EV, Yu Novoselskaya A, Kopus MM, Sobko TA & Sozinov AA 1984 Blocks of gliadin components in winter wheat detected by one-dimensional polyacrylamide gel electrophoresis. *Theoretical and Applied Genetics* 67: 559-568.
997. Mettin D, Bluthner WD & Schlegel G 1973 Additional evidence on spontaneous 1B/1R wheat rye substitutions and translocations. *Proceedings of the 4th International Wheat*

- Genetics Symposium Columbia, Missouri (Sears ER & Sears LMS eds.): 179-184.
998. Mettin D, Bluthner WD & Weinrich M 1978 Studies on the nature and the possible origin of the spontaneously translocated 1B-1R chromosome in wheat. *Wheat Information Service* 47,48: 12-16.
999. Metz AM, Timmer RT & Browning KS 1992 Isolation and sequence of a cDNA encoding the cap binding protein of wheat eukaryotic protein synthesis initiation factor 4F. *Nucleic Acids Research* 20: 4096.
1000. Metzger RJ Personal communication.
1001. Metzger RJ & Schaller CW Personal communication.
1002. Metzger RJ & Silbaugh BA 1970 Inheritance of resistance to stripe rust and its association with brown glume colour in *Triticum aestivum* L. PI 178383. *Crop Science* 10: 567-568.
1003. Metzger RJ & Silbaugh BA 1970 Location of genes for seed colour in hexaploid wheat, *Triticum aestivum* L. *Crop Science* 10: 495-496.
1004. Metzger RJ & Silbaugh BA 1971 A new factor for resistance to common bunt in hexaploid wheats. *Crop Science* 11: 66-69.
1005. Metzger RJ, Rohde CR & Trione EJ 1963 Inheritance of genetic factors which condition resistance to the wheat variety Columbia to selected races of smut *Tilletia caries* and their association with red glumes. *Agronomy Abstracts* 85: *Cited Plant Breeding Abstracts* 34: 3599, p.445.
1006. Metzger RJ, Schaller CW & Rohde CR 1979 Inheritance of resistance to common bunt in wheat, CI 7090. *Crop Science* 19: 309-312.
1007. Meyer H 1977 (Genetic investigations in wheat, *Triticum aestivum* L. Part 1 Investigations into the localization of mildew-resistant genes using monosomic analysis.). *Archiv. fur Zuchtungsforschung* 7: 203-210. *Cited Plant Breeding Abstracts* 47: 11323, p. 960.
1008. Mickelson-Young L, Endo TR & Gill BS 1995 A cytogenetic ladder map of the wheat homoeologous group-4 chromosomes. *Theoretical and Applied Genetics* 90: 1007-1011.
1009. Miczynski K 1938 (Genetic studies on the phenol colour reaction in wheat.). *Z. Zucht. A22*: 564-587. *Cited Plant Breeding Abstracts* 8: 9697, p. 195.
1010. Millan T, Devos KM, Chinoy CN, Litts JL, Quatrano RS & Gale MD 1992 Chromosomal location and RFLP utility in wheat and barley of a wheat gene encoding seed storage 7S globulin. *Theoretical and Applied Genetics* 85: 387-388.
1011. Miller TE 1984 The homoeologous relationship between the chromosomes of rye and wheat. Current status. *Canadian Journal of Genetics and Cytology* 26: 578-589.
1012. Miller TE, Gerlach WL & Flavell RB 1980 Nucleolus organiser variation in wheat and rye revealed by *in situ* hybridisation. *Heredity* 45: 377-382.
1013. Miller TE, Hutchinson J & Chapman V 1982 Investigation of a preferentially transmitted *Aegilops sharonensis* chromosome in wheat. *Theoretical and Applied Genetics* 61: 27-33.
1014. Miller TE, Hutchinson J & Reader SM 1983 The identification of the nucleolar organizer chromosomes of diploid wheat. *Theoretical and Applied Genetics* 65: 145-147.
1015. Miller TE, Reader SM & Ainsworth CC 1985 A chromosome of *Hordeum chilense* homoeologous to group 7 of wheat. *Canadian Journal of Genetics and Cytology* 27: 101-104.
1016. Miller TE, Reader SM & Singh D 1988 Spontaneous non-Robertsonian translocations between wheat chromosomes and an alien chromosome. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.):* 387-390.
1017. Miller TE, Reader SM, Ainsworth CC & Summers RW 1987 The introduction of a major gene for resistance to powdery mildew of wheat, *Erysiphe graminis* f. sp. *tritici*, from

- Aegilops speltoides* into wheat, *Triticum aestivum*. In, Cereal Breeding Related to Integrated Cereal Production: Proceedings of the EUCARPIA Conference, Wageningen, The Netherlands (Jorna ML & Shootmaker LAJ eds.): 179-183.
1018. Miller TE, Reader SM, Mahmood A, Purdie KA & King IP 1995 Chromosome 3N of *Aegilops uniaristata* - a source of tolerance to high levels of aluminium in wheat. Proceedings 8th International Wheat Genetics Symposium, Beijing, 1993 (Li ZS & Xin ZY eds.): 1037-1042.
1019. Milus EA & Line RF 1980 Virulence of *Puccinia recondita* in the Pacific Northwest. Plant Disease 64: 78-80.
1020. Mitchell LE, Dennis ES & Peacock WJ 1989 Molecular analysis of an alcohol dehydrogenase (*Adh*) gene from chromosome 1 of wheat. Genome 32: 349-358.
1021. Miura H, Parker BB & Snape JW 1992 The location of major genes associated with quantitative trait loci on chromosome arm 5BL of wheat. Theoretical and Applied Genetics 85: 197-204.
1022. Miyazaki J, Juricek M, Angelis K, Schnerr KM, Kleinhofs A & Warner RL 1991 Characterization and sequence of a novel nitrate reductase from barley. Molecular and General Genetics 228: 329-334.
1023. Modawi RS, Browder LE & Heyne EG 1985 Genes for low reaction to *Puccinia recondita* in 'Newton' hard red winter wheat. Crop Science 25: 13-16.
1024. Modawi RS, Browder LE & Heyne EG 1985 Use of infection type data to identify genes for low reaction to *Puccinia recondita* in several winter wheat cultivars. Crop Science 25: 9-13.
1025. Molnar-Lang M, Linc G & Sutka J 1996 Transfer of the recessive crossability allele *kr1* from Chinese Spring into the winter wheat Martonvasari 9. Euphytica 90: 301-305.
1026. Montebove L, De Pace C, Jan CC, Scarascia Mugnozza GT & Qualset CO 1987 Chromosomal location of isozyme and seed storage protein genes in *Dasypyrum villosum* (L.) Candargy. Theoretical and Applied Genetics 73: 836-845.
1027. Moonen JHE & Zeven AC 1984 SDS-PAGE of the high-molecular-weight subunits of wheat glutenin and the characterization of 1R(1B) substitution and 1BL/1RS translocation lines. Euphytica 33: 3-8.
1028. Moonen JHE, Scheepstra A & Graveland A 1985 Biochemical properties of some high-molecular-weight subunits of wheat glutenin. Journal of Cereal Science 3: 17-27.
1029. Moore K 1969 The genetical control of the grass-dwarf phenotype in *Triticum aestivum* L. Euphytica 18: 190-203.
1030. Morgan JM 1991 A gene controlling differences in osmoregulation in wheat. Australian Journal of Plant Physiology 18: 249-257.
1031. Morgan JM & Tan MK 1996 Chromosomal location of a wheat osmoregulation gene using RFLP analysis. Australian Journal of Plant Physiology 23: 803-806.
1032. Morgunov AI, Rogers WJ, Sayers EJ & Metakovsky EV 1990 The high-molecular-weight glutenin subunit composition of Soviet varieties. Euphytica 51: 41-52.
1033. Mori N, Liu Y-G & Tsunewaki K 1995 Wheat phylogeny determined by RFLP analysis of nuclear DNA. II. Wild tetraploid wheats. Theoretical and Applied Genetics 90: 129-134.
1034. Mori N, Moriguchi T & Nakamura C 1997 RFLP analysis of nuclear DNA for study of phylogeny and domestication of tetraploid wheat. Genes and Genetic Systems 72: 153-161.
1035. Giroux MJ & Morris CJ 1997 Personal communication.
1036. Morris CF, Anderberg RJ, Goldmark PJ & Walker-Simmons M 1991 Molecular cloning and expression of abscisic acid-response genes in embryos of dormant wheat seeds. Plant Physiology 95: 814-821.

1037. Morris LD, Raupp WJ & Gill BS 1990 Isolation of  $H^t$  genome chromosome additions from polyploid *Elymus trachycaulus* ( $S^tS^tH^tH^t$ ) into common wheat (*Triticum aestivum*). *Genome* 33: 16-22.
1038. Morris R & Sears ER 1967 The cytogenetics of wheat and its relatives. *In*, Wheat and Wheat Improvement. American Society of Agronomy, (Quisenberry KS & Reitz LP eds.): 19-87.
1039. Morris R, Schmidt JW & Johnson VA 1970 Association of homoeologous group 6 aneuploids with leaf necrosis in hexaploid wheat varieties. *Wheat Information Service* 30: 6-7.
1040. Morris R, Schmidt JW & Johnson VA 1972 Chromosomal location of a dwarfing gene in a Tom Thumb wheat derivative by monosomic analysis. *Crop Science* 12: 247-249.
1041. Morrison JW 1953 Chromosome behaviour in wheat monosomics. *Heredity* 7: 203-217.
1042. Mukai Y, Endo T & Gill BS 1992 Physical mapping of the 18S-5.8S-26S multigene family in common wheat: identification of a new locus. *Chromosoma* 100: 71-78.
1043. Mukai Y, Endo TE & Gill BS 1990 Physical mapping of the 5S rRNA multigene family in common wheat. *Journal of Heredity* 81: 290-295.
1044. Multani DS, Dhaliwal HS, Sharma SK & Gill KS 1989 Inheritance of isoproturon tolerance in *durum* wheat transferred from *Triticum monococcum*. *Plant Breeding* 102: 166-168.
1045. Mundy J & Chua NH 1988 Abscisic acid and water stress induce the expression of a novel rice gene. *EMBO Journal* 7: 2279-2286.
1046. Murai K 1997 Genetic analysis of fertility restoration against photoperiod-sensitive cytoplasmic male sterility in *Triticum aestivum* cv. Norin 61. *Plant Breeding* 116: 592-594.
1047. Murai K & Tsunewaki K 1993 Photoperiod-sensitive cytoplasmic male sterility in wheat with *Aegilops crassa* cytoplasm. *Euphytica* 67: 41-48.
1048. Muramatsu M 1963 Dosage effect of the *spelta* gene *q* of hexaploid wheat. *Genetics* 48: 469-482.
1049. Muramatsu M 1986 The *vulgare* super gene, *Q*: its universality in durum wheat and its phenotypic effects in tetraploid and hexaploid wheats. *Canadian Journal of Genetics and Cytology* 28: 30-41.
1050. Murray TD, de la Pena RC, Yildirim A & Jones SS 1994 A new source of resistance to *Pseudocercospora herpotrichoides*, cause of eyespot disease of wheat, located on chromosome 4V of *Dasyphyrum villosum*. *Plant Breeding* 113: 281-286.
1051. Muthukrishnan S, Gill BS, Swegle M & Ram Chandra G 1984 Structural genes for  $\alpha$ -amylases are located on barley chromosomes 1 and 6. *Journal of Biological Chemistry* 259: 13637-13639.
1052. Naik S, Gill KS, Prakasa VS, Gupta VS, Tamhankar SA, Pujar S, Gill BS & Ranjekar PK 1998 Identification of a STS marker linked to the *Aegilops speltoides*-derived leaf rust resistance gene *Lr28* in wheat. *Theoretical and Applied Genetics* 97: 535-540.
1053. Nakamura T, Yamamori M, Hirano H & Hidaka S 1993 Identification of three *Wx* proteins in wheat (*Triticum aestivum* L.). *Biochemical Genetics* 31: 75-86.
1054. Nakamura T, Yamamori M, Hirano H & Hidaka S 1993 Decrease of waxy (*Wx*) protein in two common wheat cultivars with low amylase content. *Journal of Plant Breeding* 111: 99-105.
1055. Neatby KW 1933 A chlorophyll mutation in wheat. *Journal of Heredity* 24: 159-162.
1056. Neilsen CH 1982 Heredity of *Heterodera avenae* resistance originating from two barley cultivars and one spring wheat cultivar. *EPPO Bulletin* 12: 457-461.
1057. Nelson JC 1996 Personal communication.

1058. Nelson JC, Singh RP, Autrique JE & Sorrells ME 1997 Mapping genes conferring and suppressing leaf rust resistance in wheat. *Crop Science* 37: 1928-1935.
1059. Nelson JC, Sorrells ME, Van Deynze AE, Lu YH, Atkinson MD, Bernard M, Leroy P, Faris JD & Anderson JA 1995 Molecular mapping of wheat: Major genes and rearrangements in homoeologous groups 4, 5 and 7. *Genetics* 141: 721-731.
1060. Nelson JC, Van Deynze AE, Autrique E, Sorrells ME, Lu YH, Merlino M, Atkinson M & Leroy P 1995 Molecular mapping of wheat. Homoeologous group 2. *Genome* 38: 516-524.
1061. Nelson JC, Van Deynze AE, Autrique E, Sorrells ME, Lu YH, Negre S, Bernard M & Leroy P 1995 Molecular mapping of wheat. Homoeologous group 3. *Genome* 38: 525-533.
1062. Nelson W, Dubin HJ & Rajaram S 1980 Norin 10 dwarfing genes present in lines used in the CIMMYT wheat breeding programme. *Cereal Research Communications* 8: 573-574.
1063. Netsvetaev VP 1978 Mapping of loci *Hrd* in chromosome 5 of barley with the help of reciprocal translocations. "Biologicheskie Osmovy Ratseonalnogo Ispolzovaniya Jivotnogo I Rastitel'nogo Myra" USSR. Riga "Zinatne" 145-146.
1064. Netting AG & Barber HN 1968 Chemical genetics of beta-diketone formation in wheat. *Proceedings of the 3rd International Wheat Genetics Symposium, Australian Academy of Science, Canberra* (Findlay KW & Shepherd KW eds.): 316-321.
1065. Neuman PR & Hart GE 1983 Genetic control of shikimate dehydrogenase in hexaploid wheat. *Biochemical Genetics* 21: 963-968.
1066. Neuman PR & Hart GE 1986 Genetic control of the mitochondrial form of superoxide dismutase in hexaploid wheat. *Biochemical Genetics* 24: 435-446.
1067. Newton AC, Johnson R & Caten CE 1985 Virulence analysis of local populations of *Puccinia striiformis* f. sp. *tritici*. *Cereal Rusts Bulletin* 13: 11-15.
1068. Ng PKW & Bushuk W 1989 Concerning the nomenclature of high molecular weight glutenin subunits. *Journal of Cereal Science* 9: 53-60.
1069. Ng PKW, Pogna NE, Mellini F & Bushuk W 1989 *Glu-1* allele compositions of the wheat cultivars registered in Canada. *Journal of Genetics and Breeding* 43: 53-59.
1070. Nicoloff H, Anastassoa-Kristeva M, Kunzel G & Rieger R 1977 The behaviour of nucleolus organizers in structurally changed karyotypes of barley. *Chromosoma* 62: 103-109.
1071. Nielsen G & Frydenberg O 1971 Chromosome localization of the esterase loci *Est 1* and *Est 2* in barley by means of trisomics. *Hereditas* 67: 152-154.
1072. Nielsen G, Johansen H & Jenson J 1983 Localisation on barley chromosome 5 of the locus *Pgd2* coding for phosphogluconate dehydrogenase. *Barley Genetics Newsletter* 13: 57.
1073. Nielsen J 1977 Inheritance of virulence of loose smut of wheat, *Ustilago tritici* on the differential cultivars Renfrew, Florence x Aurore, Kota and Little Club. *Canadian Journal of Botany* 55: 260-263.
1074. Nielsen J 1982 Inheritance of virulence of *Ustilago tritici* on the differential cultivars Carma, Red Bobs, and a derivative of the cross Thatcher x Regent. *Canadian Journal of Botany* 60: 1191-1193.
1075. Nieto-Taladriz MT & Carrillo JM 1996 Complexity of the *Gli-A3* locus in bread wheat. *Plant Breeding* 115: 192-194.
1076. Nieto-Taladriz MT, Branlard G & Dardevet M 1994 Polymorphism of omega-gliadins in durum wheat as revealed by the two-step APAGE/SDS-PAGE technique. *Theoretical and Applied Genetics* 87: 1001-1005.
1077. Nieto-Taladriz MT, Pernas M, Salcedo G & Carrillo JM 1996 Linkage mapping of '25-kDa globulin' genes on homoeologous group-1 chromosomes of bread and durum wheat. *Theoretical and Applied Genetics* 93: 780-787.

1078. Nieves R 1939 (Inheritance of grain colour in wheat). *Journal of Agr. Vet.*, Buenos Aires: 129-154. *Cited Plant Breeding Abstracts* 11: 938, p. 279.
1079. Niewoehner AS & Leath S 1998 Virulence of *Blumeria graminis* f. sp. *tritici* on winter wheat in the eastern United States. *Plant Disease* 82: 64-68.
1080. Nishikawa K 1967 Identification and distribution of necrosis and chlorosis genes in tetraploid wheat. *Seiken Zihō* 19: 37-42.
1081. Nishikawa K 1991 Chromosome mapping by use of aneuploids in wheat. *Wheat Information Service* 72: 60-63.
1082. Nishikawa K & Nobuhara M 1971 Genetic studies of  $\alpha$ -amylase isozymes in wheat I. Location of genes and variation in tetra- and hexaploid wheat. *Japanese Journal of Genetics* 46: 345-353.
1083. Nishikawa K, Bon T & Furuta Y 1993 Telocentric mapping of  $\alpha$ -amylase loci in wheat. *Wheat Information Service* 77: 39-45.
1084. Nishikawa K, Furuta Y, Hina Y & Yamada T 1981 Genetic studies of  $\alpha$ -amylase isozymes in wheat. IV. Genetic analyses in hexaploid wheat. *Japanese Journal of Genetics* 56: 385-395.
1085. Nishikawa K, Mori T, Takanmi N & Furuta Y 1974 Mapping of progressive necrosis genes *Ne1* and *Ne2* of common wheat by the telocentric method. *Japanese Journal of Breeding* 24: 277-281.
1086. Nkongolo KK, Quick JS, Limin AE & Fowler DB 1991 Sources and inheritance of resistance to Russian wheat aphid in *Triticum* species, amphiploids and *Triticum tauschii*. *Canadian Journal of Plant Science* 71: 703-708.
1087. Noble WB & Suneson CA 1943 Differentiation of the two genetic factors for resistance to Hessian fly in Dawson wheat. *Journal of Agricultural Research* 67: 27-32.
1088. Nyquist WE 1963 Inheritance of powdery mildew resistance in hybrids involving a common wheat strain derived from *Triticum timopheevi*. *Crop Science* 3: 40-43.
1089. Obanni M, Ohm HW, Foster JE & Patterson FL 1989 Genetics of resistance of PI 422297 durum wheat to the Hessian fly. *Crop Science* 29: 249-252.
1090. Obanni M, Patterson FL, Foster JE & Ohm HW 1988 Genetic analyses of resistance of durum wheat PI 428435 to the Hessian fly. *Crop Science* 28: 223-226.
1091. Odintsova IG & Peusha KhO 1982 (Inheritance of resistance to brown rust in bread wheat varieties). *Trudy po Prikladnoi Botanike, Genetikei Selektivii* 71: 41-47. *Cited Plant Breeding Abstracts* 55: 7658, p.841.
1092. Oellermann CM, Patterson FL & Gallun RL 1983 Inheritance of resistance in Luso wheat to Hessian fly. *Crop Science* 23: 221-224.
1093. Oetmann A & Zeller FJ 1989 Distribution and origin of hybrid necrosis genes in German winter wheat (*Triticum aestivum* L.) cultivars. *Plant Breeding* 103: 207-211.
1094. Ogihara Y, Shimizu H, Hasegawa K, Tsujimoto H & Sasakuma T 1994 Chromosome assignment of four photosynthetically-related genes and their variability in wheat species. *Theoretical and Applied Genetics* 88: 81-88.
1095. Ohm HW 1988a Personal communication.
1096. Ohm HW 1988b Personal communication.
1097. Ohm HW, Ratcliffe RH, Patterson FL & Cambron S 1997 Resistance to Hessian fly conditioned by genes *H19* and proposed gene *H27* of durum wheat line PI422297. *Crop Science* 37: 113-115.
1098. Ohm HW, Sharma HC, Patterson FL, Ratcliffe RH & Obanni M 1995 Linkage relationships among genes on wheat chromosome 5A that condition resistance to Hessian fly. *Crop*

- Science 35: 1603-1607.
1099. Olive MR, Ellis RJ & Schuch WW 1989 Isolation and nucleotide sequences of cDNA clones encoding ADP-glucose pyrophosphate polypeptides from wheat leaf and endosperm. *Plant Molecular Biology* 12: 525-538.
1100. Orth RA & Bushuk W 1974 Studies on glutenin VI. Chromosomal location of genes coding for subunits of glutenin of common wheat. *Cereal Chemistry* 51: 118-126.
1101. Paderina EV, Hsam SLK & Zeller FJ 1995 Identification of powdery mildew resistance genes in common wheat (*Triticum aestivum* L. em Thell.) VII. Cultivars grown in Western Siberia. *Hereditas* 123: 103-107.
1102. Pan CL 1940 A genetic study of mature plant resistance in spring wheat to black stem rust, *Puccinia graminis tritici* and reaction to black chaff, *Bacterium translucens* var. *undulosum*. *Journal of the American Society of Agronomy* 32: 107-115.
1103. Panin VM & Netsvetaev VP 1986 (Genetic control of gliadins and some morphological characters of spike in durum winter wheats.). [In Russian]. 'Nauchno-Tekhnicheski Bull. VSG I. Odessa 2: 31-36.
1104. Patterson FL Personal communication.
1105. Patterson FL & Gallun RL 1977 Linkage in wheat of the *H3* and *H6* genetic factors for resistance to Hessian fly. *Journal of Heredity* 68: 293-296.
1106. Patterson FL, Foster JE & Ohm HW 1988 Gene *H16* in wheat for resistance to Hessian fly. *Crop Science* 28: 652-654.
1107. Patterson FL, Maas FB, Foster JE, Ratcliffe RH, Cambron S, Safranski G, Taylor PL & Ohm HW 1994 Registration of eight Hessian fly resistant common winter wheat germplasm lines (Carol, Erin, Flynn, Iris, Joy, Karen, Lola and Molly). *Crop Science* 34: 315-316.
1108. Patterson FL, Ohm HW, Shaner GE, Finney RE, Gallun RL, Roberts JJ & Foster JE 1985 Registration of 'Fillmore' wheat. *Crop Science* 25: 368-369.
1109. Patterson FL, Roberts JJ, Finney RE, Shaner GE, Gallun RL & Ohm HW 1975 Registration of 'Oasis' wheat. *Crop Science* 15: 736-737.
1110. Patterson FL, Shaner GE, Huber DM, Ohm HW, Finney RE, Gallun RL & Roberts JJ 1979 Registration of 'Sullivan' wheat. *Crop Science* 19: 297.
1111. Paull J 1990 Personal communication.
1112. Paull JG, Pallotta MA, Langridge P & The TT 1994 RFLP markers associated with *Sr22* and recombination between chromosome 7A of bread wheat and the diploid species *Triticum boeoticum*. *Theoretical and Applied Genetics* 89: 1039-1045.
1113. Paull JG, Rathjen AJ & Cartwright B 1991 Major gene control of tolerance of bread wheat (*Triticum aestivum* L.) to high concentrations of soil boron. *Euphytica* 55: 217-228.
1114. Payne PI 1989 Personal communication.
1115. Payne PI Personal communication.
1116. Payne PI & Lawrence GJ 1983 Catalogue of alleles for the complex gene loci, *Glu-A1*, *Glu-B1*, and *Glu-D1* which code for high molecular-weight subunits of glutenin in hexaploid wheat. *Cereal Research Communications* 11: 29-35.
1117. Payne PI, Holt LM & Jackson EA 1984 Genetical analysis of wheat endosperm storage proteins. *Proceedings of the 2nd International Workshop on Gluten Proteins Wageningen, The Netherlands*: 111-120.
1118. Payne PI, Holt LM & Law CN 1981 Structural and genetical studies on the high-molecular-weight subunits of wheat glutenin. *Theoretical and Applied Genetics* 60: 229-236.
1119. Payne PI, Holt LM & Lister P 1988 *Gli-A3* and *Gli-B3*, two newly designated loci coding for some omega-type gliadins and D subunits of glutenins. *Proceedings of the 7th*



- International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 999-1002.
1120. Payne PI, Holt LM, Hutchinson J & Bennett MD 1984 Development and characterization of a line of bread wheat, *Triticum aestivum*, which lacks the short arm satellite 1B and the *Gli-B1* locus. *Theoretical and Applied Genetics* 68: 327-334.
1121. Payne PI, Holt LM, Johnson R & Snape JW 1986 Linkage mapping of four gene loci, *Glu-B1*, *Gli-B1*, *Rgl* and *Yr10* on chromosome 1B of bread wheat. *Genetica Agraria* 40: 231-242.
1122. Payne PI, Holt LM, Lawrence GJ & Law CN 1982 The genetics of gliadin and glutenin, the major storage proteins of the wheat endosperm. *Qualitas Plantarum; Plant Foods for Human Nutrition* 31: 229-241.
1123. Payne PI, Holt LM, Reader SM & Miller TE 1987 Chromosomal location of genes coding for endosperm proteins of *Hordeum chilense*, determined by two dimensional electrophoresis of wheat-*H. chilense* chromosome addition lines. *Biochemical Genetics* 25: 53-65.
1124. Payne PI, Holt LM, Thompson RD, Bartels D, Harberd NP, Harris PA & Law CN 1983 The high-molecular-weight subunits of glutenin: classical genetics, molecular genetics and the relationship of bread-making quality. *Proceedings of the 6th International Wheat Genetics Symposium Kyoto, Japan* (Sakamoto S. ed.): 827-834.
1125. Payne PI, Holt LM, Worland AJ & Law CN 1982 Structural and genetical studies on the high-molecular-weight subunits of wheat glutenin III. Telocentric mapping of the subunit genes on the long arms of the homoeologous group 1 chromosomes. *Theoretical and Applied Genetics* 63: 129-138.
1126. Payne PI, Jackson EA, Holt LM & Law CN 1984 Genetic linkage between endosperm storage protein genes on each of the short arms of chromosomes 1A and 1B of wheat. *Theoretical and Applied Genetics* 67: 235-243.
1127. Pedersen S, Due Tuveesson IK & Andersen SB 1990 Polymorphism for aconitase and glucosephosphate isomerase isozymes in hexaploid wheat. *Hereditas* 113: 1-6.
1128. Penner GA, Clarke K, Bezte LJ & Leisle D 1995 Identification of RAPD markers linked to a gene governing cadmium uptake in durum wheat. *Genome* 38: 543-547.
1129. Pepe JF & Heiner RE 1975 Influence of two different dwarfing sources on yield and protein percentage in semidwarf wheats. *Crop Science* 15: 637-639.
1130. Petchey EM, Koebner RMD & Gale MD 1989 Genetic characterisation of a homoeoallelic series of grain esterase loci, *Est-6* in wheat. *Theoretical and Applied Genetics* 79: 294-296.
1131. Pettigrew R & Driscoll CJ 1970 Cytogenetic studies of a chlorophyll mutant of hexaploid wheat. *Heredity* 25: 650-655.
1132. Pettigrew R & Driscoll CJ Unpublished.
1133. Pettigrew R, Driscoll CJ & Rienits KG 1969 A spontaneous chlorophyll mutant in hexaploid wheat. *Heredity* 24: 481-487.
1134. Peusha H, Hsam SLK & Zeller FS 1995 Chromosomal location of powdery mildew resistance genes in common wheat (*Triticum aestivum* L. em Thell.) 3. Gene *Pm22* in cultivar Virest. *Euphytica* 91: 149-152.
1135. Pfeffer A & Zeller FJ 1987 Genotypes of hybrid necrosis in 25 spring varieties of common wheat (*Triticum aestivum* L.). *Plant Breeding* 99: 83-84.
1136. Philiptschenko J 1930 Again on the question of genes and the development of the form of ear in wheat. *Bulletin of the Bureau of Genetics* 8: 1-18. *Cited Plant Breeding Abstracts* 1: 163, p.16.
1137. Piech J 1969 Genetic analysis of photoperiodic insensitivity in wheat. *Genetica Polonica* 10: 99-100.
1138. Piech J & Evans LE 1979 Monosomic analysis of purple grain colour in hexaploid wheat.

- Zeitschrift fur Pflanzenzuchtung 82: 212-217.
1139. Pietro ME & Hart GE 1985 The genetic control of triosephosphate isomerase of hexaploid wheat and other Triticeae species. *Genetical Research, Cambridge* 45: 127-142.
1140. Pietro ME, Tuleen NA & Hart GE 1988 Development of wheat-*Triticum searsii* disomic chromosome addition lines. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.):* 409-414.
1141. Pirasteh B & Welsh JR 1975 Monosomic analysis of photoperiod response in wheat. *Crop Science* 15: 503-505.
1142. Plaschke J, Borner A, Xie DX, Koebner RMD, Schlegel R & Gale MD 1993 RFLP mapping of genes affecting plant height and growth habit in rye. *Theoretical and Applied Genetics* 85: 1049-1054.
1143. Plessers AG 1954 Genetic studies of stem rust reaction in crosses of Lee wheat with Chinese monosomic testers. *Agricultural Institute Review* 9: 37.
1144. Pogna JC, Autran C, Mellini F, Lafiandra D & Feillet P 1990 Chromosome 1B encoded gliadins and glutenins subunits in durum wheat: genetics and relationship to gluten strength. *Journal of Cereal Science* 11: 15-34.
1145. Pogna NE, Mellini F & Dalbelin Peruffo A 1987 Glutenin subunits of Italian common wheats of good bread making quality and comparative effects of high molecular weight glutenin subunits 2 and 5, 10 and 12 on flour quality. *In, Hard Wheat: Agronomic, Technological, Biochemical and Genetic Aspects. Commission of the European Communities, Brussels. (Borghi B ed.):* 53-69.
1146. Pogna NE, Mellini F, Beretta A & Dalbelin Deruffo A 1989 The high-molecular-weight glutenin subunits of common wheat cultivars grown in Italy. *Journal of Genetics and Breeding* 43: 17-24.
1147. Pogna NE, Metakovsky EV, Redaelli R, Raineri F & Dachkevitch T 1993 Recombination mapping of *Gli-5*, a new gliadin-coding locus on chromosomes 1A and 1B in common wheat. *Theoretical and Applied Genetics* 87: 113-121.
1148. Pokhriyal SC & Kohli SP 1962 Inheritance of field reaction to brown rust and other characters in inter-varietal crosses of *Triticum aestivum* L. *Indian Journal of Genetics* 22: 173-180.
1149. Poperelya FA & Sozinov AA 1977 Electrophoresis of gliadin as a method for identification of wheats in which B-chromosome 1 is completely or partially replaced by R-chromosome 1. *Doklady VASKLNIL* 2: 2-4. [English translation].
1150. Porter DR 1993 Personal communication.
1151. Porter DR, Webster JA & Friebe B 1993 Inheritance of greenbug biotype G resistance in wheat. *Crop Science* 34: 625-628.
1152. Porter DR, Webster JA, Burton RL, Puterka GJ & Smith EL 1991 New sources of resistance to greenbug in wheat. *Crop Science* 31: 1502-1504.
1153. Powling A, Islam AKMR & Shepherd KW 1981 Isozymes in wheat-barley hybrid derivative lines. *Biochemical Genetics* 19: 237-254.
1154. Prabhakara Rao MV 1996 Close linkage of the *Agropyron elongatum* gene *Sr26* for stem rust resistance to the centomere of wheat chromosome 6A. *Wheat Information Service* 82: 8-10.
1155. Pratchett N & Laurie DA 1994 Genetic map location of the barley developmental mutant liguleless in relation to RFLP markers. *Hereditas* 120: 135-139.
1156. Pretorius ZA, Wilcoxson RD, Long DL & Schafer JF 1984 Detecting leaf rust resistance gene *Lr13* in seedlings. *Plant Disease* 68: 585-586.
1157. Priestley RH 1978 Detection of increased virulence in populations of wheat yellow rust. *In,*

- Plant Disease Epidemiology. Blackwell Scientific Publishers, Oxford. (Scott PR & Bainbridge A eds.): 63-70.
1158. Priestley RH & Byford P 1979 Yellow rust of wheat. UK Cereal Pathogen Virulence Survey. 1978 Annual Report, National Institute of Agricultural Botany: 14-23.
1159. Priestley RH, Bayles RA & Crofts J 1982 Yellow rust of wheat. UK Cereal Pathogen Virulence Survey. 1981 Annual Report, National Institute of Agricultural Botany: 18-28.
1160. Priestley RH, Bayles RA & Ryall J 1984 Identification of specific resistances against *Puccinia striiformis* (yellow rust) in winter wheat varieties. Use of cluster analysis. Journal of the National Institute of Agricultural Botany 16: 477-485.
1161. Prins R & Marais GF 1999 A genetic study of the gametocidal effect of the *Lr19* translocation of common wheat. South African Journal of Plant and Soil 16(1): 10-14.
1162. Prins R, Marais GF, Janse BJH, Pretorius ZA & Marais AS 1996 A physical map of the *Thinopyrum*- derived *Lr19* translocation. Genome 39: 1013-1019.
1163. Prins R, Marais GF, Pretorius ZA, Janse BJH & Marais AS 1997 A study of modified forms of the *Lr19* translocation of common wheat. Theoretical and Applied Genetics 95: 424-430.
1164. Procnier JD, Knox RE, Bernier AM, Gray MA & Howes NK 1997 DNA markers linked to a T10 loose smut resistance gene in wheat (*Triticum aestivum* L.). Genome 40: 176-179.
1165. Procnier JD, Townley-Smith TF, Fox S, Prashar S, Gray M, Kim WK, Czarnecki E & Dyck PL 1995 PCR-based RAPD/DGGE markers linked to leaf rust resistance genes *Lr29* and *Lr25* in wheat (*Triticum aestivum* L.). Journal of Genetics and Breeding 49: 97-92.
1166. Pugsley AT 1949 The inheritance of resistance to three races of *Tilletia foetida* and two races of *T. caries* in a cross between White Federation 38 and Selection 1403 wheats. Journal of Genetics 49: 177-182.
1167. Pugsley AT 1956 The gene *SrKal* in relation to the resistance of wheat to *Puccinia graminis tritici*. Empire Journal of Experimental Agriculture 24: 178-184.
1168. Pugsley AT 1961 Additional resistance in *Triticum vulgare* to *Erysiphe graminis tritici*. Australian Journal of Biological Sciences 14: 70-75.
1169. Pugsley AT 1965 Inheritance of a correlated day-length response in spring wheat. Nature 207: 108.
1170. Pugsley AT 1966 The photoperiodic sensitivity of some spring wheats with special reference to the variety Thatcher. Australian Journal of Agricultural Research 17: 591-599.
1171. Pugsley AT 1971 A genetic analysis of the spring-winter habit of growth in wheat. Australian Journal of Agricultural Research 22: 21-31.
1172. Pugsley AT 1972 Additional genes inhibiting winter habit in wheat. Euphytica 21: 547-552.
1173. Pugsley AT 1973 Control of developmental patterns in wheat through breeding. Proceedings of the 4th International Wheat Genetics Symposium, University of Missouri, Columbia (Sears ER & Sears LMS eds.): 857-859.
1174. Pugsley AT 1983 The impact of plant physiology on Australian wheat breeding. Euphytica 32: 743-748.
1175. Pugsley AT & Carter MV 1953 Resistance of twelve varieties of *Triticum vulgare* to *Erysiphe graminis tritici*. Australian Journal of Biological Sciences 6: 335-346.
1176. Qi LL, Cao MS, Chen PD, Li EL & Liu DJ 1996 Identification, mapping, and application of polymorphic DNA associated with resistance gene *Pm21* of wheat. Genome 39: 191-197.
1177. Qi LL, Chen, PD, Liu DJ, Zhou B, Zhang SZ, Sheng BQ, Xiang QJ, Duang XY & Zhou YL 1995 The gene *Pm21* - a new source of resistance to wheat powdery mildew. Acta Agriculture Sinica 21: 257-261.
1178. Quail P Personal communication.

1179. Quarrie SA, Galiba G, Sutka J, Snape JW, Semikhododski A, Steed A, Gulli M & Calestani C 1994 Association of a major vernalisation gene with stress-induced abscisic acid production. Proceedings of COST 814 Workshop, Crop Adaptation to Cool Climates, Hamburg, October 1994.
1180. Quarrie SA, Gulli M, Calestani C, Steed A & Marmiroli N 1994 Location of a gene regulating drought-induced abscisic acid production on the long arm of chromosome 5A of wheat. Theoretical and Applied Genetics 89: 794-800.
1181. Quarrie SA, Steed A, Semikhodski A, Lebreton C, Calestani C, Clarkson DA, Tuberosa R, Sanguineti MC, Melchiorre R & Prioul J-L 1995 Identification of quantitative trait loci regulating water and nitrogen-use efficiency in wheat. *In*: Proceedings 2nd STRESSNET Conference. (Leigh RA, Blake-Kalff MMAM eds.). European Commission. Ref F.II.3-MOR/0001, Brussels: 175-180.
1182. Quatrano RS, Litts J, Colwell G, Chakerian R & Hopkins R 1986 Regulation of gene expression in wheat embryos by abscisic acid; characterization of the cDNA clones for the Em and putative globulin proteins and localization of the lectin wheat germ agglutinin. *In*, Molecular Biology of Seed Storage Proteins and American Society of Plant Physiology (Shannon L & Chrispeels M eds.) 127-136.
1183. Quick JS, Souza E & Sunderman DW 1993 Registration of 'Fairview' wheat. Crop Science 33: 878.
1184. Rahman S, Abrahams S, Abbott D, Mukai Y, Samuel M, Morell MK & Appels R 1997 A complex arrangement of genes at a starch branching enzyme I locus in the D-genome of wheat. Genome 40: 465-474.
1185. Rahman S, Jolly CJ, Skerritt JH & Walloscheck A 1994 Cloning of a wheat 15-KDa grain softness protein (GSP) - GSP is a mixture of puroindoline-like polypeptides. European Journal of Biochemistry 223: 917-925.
1186. Raikhel NV & Wilkins TA 1987 Isolation and characterization of a cDNA clone encoding wheat germ agglutinin. Proceedings of the National Academy of Sciences, USA 84: 6745-6749.
1187. Raines CA, Lloyd JC, Longstaff M, Bradley D & Dyer TA 1988 Chloroplast fructose-1,6-bisphosphatase: the product of a mosaic gene. Nucleic Acids Research 18: 7931-7942.
1188. Raines CA, Lloyd JC, Willingham NM, Potts S & Dyer TA 1992 cDNA and gene sequences of wheat chloroplast sedoheptulase-1,7-bisphosphatase reveal homology with fructose-1,6-bisphosphatases. European Journal of Biochemistry 205: 1053-1059.
1189. Raines CA, Longstaff M, Lloyd JC & Dyer TA 1989 Complete coding sequence of wheat phosphoribulokinase: Developmental and light-dependent expression of the mRNA. Molecular and General Genetics 218: 423-430.
1190. Randhawa AS, Dhaliwal HS, Sharma SK & Multani DS 1987 Inheritance of 2,4-D tolerance in wheat. Current Science, India 56: 191-192. *Cited* Plant Breeding Abstracts 57: 7823, p.819.
1191. Rao IN & Rao MVP 1980 Evidence for duplicate genes for 6-phosphogluconate dehydrogenase in rye. Genetical Research, Cambridge 35: 309-312.
1192. Rao MVP 1972 Mapping of the compactum gene C on chromosome 2D of wheat. Wheat Information Service 35: 9.
1193. Rao MVP 1973 Mapping the gene *R1* for red seed colour on chromosome 3D of wheat. Wheat Information Service 36: 9.
1194. Rao MVP 1977 Mapping of the sphaerococcum gene 's' on chromosome 3D of wheat. Cereal Research Communications 5: 15-17.
1195. Rao MVP 1981 Telocentric mapping of the arm inhibitor gene *Hd* on chromosome 4B of

- common wheat. *Cereal Research Communications* 9: 335-337.
1196. Rao MVP 1983 Telocentric mapping of the squarehead (*vulgare*) gene *Q* on chromosome 5A of hexaploid wheat. *Wheat Information Service* 56: 12-13.
1197. Rao MVP, Suseelan KN & Bhatia CR 1990 Telocentric mapping of the alcohol dehydrogenase structural gene *Adh-B1* on chromosome 4B of hexaploid wheat. *Cereal Research Communications* 18: 217-221.
1198. Rasmussen SK, Welinder KG & Hejgaard J 1991 cDNA cloning, characterization and expression of an endosperm-specific barley peroxidase. *Plant Molecular Biology* 16: 317-327.
1199. Raupp J 1991 Personal communication.
1200. Raupp WJ, Gill BS, Wilson DL, Cox TS & Browder LE 1991 Personal communication.
1201. Reader SM & Miller TE 1991 The introduction into bread wheat of a major gene for resistance to powdery mildew from wild emmer wheat. *Euphytica* 53: 57-60.
1202. Rebmann G, Hertig C, Bull J, Mauch F & Dudler R 1991 Cloning and sequencing of cDNA's encoding a pathogen-induced putative peroxidase of wheat (*Triticum aestivum* L.). *Plant Molecular Biology* 16: 329-331.
1203. Rebordinos L & Perez de la Vega M 1988 Gene duplication in the structural gene for a glutamate oxaloacetate transaminase zone (GOT1) in *Secale*. *Journal of Heredity* 79: 78-80.
1204. Rebordinos L & Perez de la Vega M 1989 Extent of genetic variability of endosperm esterases in *Triticum aestivum* L. 2n=6x=42. *Theoretical and Applied Genetics* 78: 728-734.
1205. Redaelli R, Pogna NE, Dachkevitch T, Cacciatori P, Biancard AM & Metakovsky EV 1992 Inheritance studies of the 1AS/1DS chromosome translocation in the bread wheat variety 'Perzivan-1'. *Journal of Genetics and Breeding* 46: 253-262.
1206. Reddy P & Appels R 1989 A second locus for the 5S multigene family in *Secale* L.: sequence divergence in two lineages of the family. *Genome* 32: 456-467.
1207. Reikhel, NV & Wilkes TA 1987 Differentiation between homoeologous chromosomes 1A of wheat and 1A<sup>m</sup> of *Triticum monococcum* and its recognition by the wheat *Ph1* locus. *Proceedings of the National Academy of Sciences, USA* 92: 6745-6749.
1208. Ren SX, McIntosh RA & Lu ZJ 1997 Genetic suppression of the cereal rye-derived gene *Pm8* in wheat. *Euphytica* 93: 353-360.
1209. Ren SX, McIntosh RA, Sharp PJ & The TT 1996 A storage protein marker associated with the suppressor of *Pm8* for powdery mildew resistance in wheat. *Theoretical and Applied Genetics* 93: 1054-1060.
1210. Ren ZL & Lelley T 1988 Genetics of hybrid necrosis in rye. *Plant Breeding* 100: 173-180.
1211. Ren ZL & Lelley T 1990 Chromosomal localization of genes in the R genome causing hybrid necrosis in rye and triticale. *Genome* 33: 40-43.
1212. Richards R 1988 Personal communication.
1213. Riede CR & Anderson JA 1996 Linkage of RFLP markers to an aluminum tolerance gene in wheat. *Crop Science* 36: 905-909.
1214. Riede CR, Williams ND & Miller JD 1995 Development of monogenic lines with resistance to stem rust from wheat cultivar 'Waldron'. *Theoretical and Applied Genetics* 90: 1054-1168.
1215. Riede CR, Williams ND, Miller JD & Joppa LR 1995 Chromosomal location of genes for stem rust resistance derived from Waldron wheat. *Theoretical and Applied Genetics* 90: 1158-1163.
1216. Riley R & Chapman V 1967 The inheritance in wheat of crossability with rye. *Genetical Research, Cambridge* 9: 259-267.
1217. Riley R, Chapman V & Johnson R 1968 Introduction of yellow rust resistance of *Aegilops*

- comosa* into wheat by genetically induced homoeologous recombination. *Nature* 217: 383-384.
1218. Riley R, Chapman V & Johnson R 1968 The incorporation of alien disease resistance in wheat by genetic interference with the regulation of meiotic chromosome synapsis. *Genetical Research, Cambridge* 12: 199-219.
1219. Rizvi SSA & Buchenau GW 1994 Tentative identification and verification of genes for leaf rust resistance in wheat cultivars of South Dakota. *Plant Disease* 78: 674-679.
1220. Robe P & Doussinault G 1995 Genetic analysis of powdery-mildew resistance of a winter-wheat line, RE714, and identification of a new specific-resistance gene. *Plant Breeding* 114: 387-391.
1221. Roberts DWA & Larson RI 1985 Vernalisation and photoperiod responses of selected chromosome substitution lines derived from 'Rescue', 'Cadet' and 'Cypress' wheats. *Canadian Journal of Genetics and Cytology* 27: 586-591.
1222. Roberts JJ & Gallun RL 1984 Chromosome location of the *H5* gene for resistance to the Hessian fly in wheat. *Journal of Heredity* 75: 147-148.
1223. Roberts JJ, Gallun RL, Patterson FL, Finney RE, Ohm HW & Shaner GE 1981 Registration of 'Downy' wheat. *Crop Science* 21: 350.
1224. Robertson LD & Curtis BC 1967 Monosomic analysis of fertility-restoration in common wheat (*Triticum aestivum* L.). *Crop Science* 7: 493-495.
1225. Roder MS, Korzun VN, Gill BS & Ganal MW 1998 The physical mapping of microsatellite markers in wheat. *Genome* 41: 278-283.
1226. Roder MS, Plaschke J, Konig SU, Borner A, Sorrells ME, Tanksley SD & Ganal MW 1995 Abundance, variability and chromosomal location of microsatellites in wheat. *Molecular and General Genetics* 246: 327-333.
1227. Rodriguez-Ouijano M & Carrillo JM 1996 Relationship between allelic variation of *Glu-1* and *Gli-1/Glu-3* prolamin loci and gluten strength in hexaploid wheat. *Euphytica* 91: 141-146.
1228. Rodriguez-Quijano M, Nieto-Taladriz MT & Carrillo JM 1996 Linkage mapping of prolamin and isozyme genes on the 1S<sup>1</sup> chromosome of *Aegilops longissima*. *Theoretical and Applied Genetics* 93: 295-299.
1229. Rodriguez-Quijano M, Vasquez JF & Carrillo JM 1990 Variation of high-molecular-weight glutenin subunits in Spanish landraces of *Triticum aestivum* ssp. *vulgare* and ssp. *spelta*. *Journal of Genetics and Breeding* 44: 121-126.
1230. Roelfs AP & McVey DV 1979 Low infection types produced by *Puccinia graminis* f. sp. *tritici* and wheat lines with designated genes for resistance. *Phytopathology* 69: 722-730.
1231. Rogers WJ, Miller TE, Payne PI, Seekings JA, Sayers EJ, Holt LM & Law CN 1997 Introduction to bread wheat (*Triticum aestivum* L.) and assessment for bread-making quality of alleles from *T. boeoticum* Boiss. ssp. *thaouidar* at *Glu-A1* encoding two high-molecular subunits of glutenin. *Euphytica* 93: 19-29.
1232. Rogers WJ, Payne PI, Miller TE, Holt LM, Law CN, Sayers EJ & Seekings JA 1989 Introduction to hexaploid wheat and assessment for bread-making quality of a *Glu-A1* locus from *Triticum thaouidar* encoding two high-molecular-weight subunits of glutenin XII. *Eucarpia Congression Science for Plant Breeding, Gottingen, Germany, Abstract No. 27-3*:
1233. Rogers WJ, Payne PI, Seekings JA & Sayers EJ 1991 Effect on bread-making quality of x-type and y-type subunits of glutenin. *Journal of Cereal Science* 14: 209-221.
1234. Rognil OA, Devos KM, Chinoy CN, Harcourt RL, Atkinson MD & Gale MD 1992 RFLP mapping of rye chromosome 7R reveals a highly translocated chromosome relative to wheat. *Genome* 55: 1026-1031.

1235. Rohde CR, van Wagoner KH, Kronstad WE & Rubenthaler GL 1988 Registration of 'Oveson' wheat. *Crop Science* 28: 1033.
1236. Rohde W, Becker D & Salamini F 1988 Structural analysis of the waxy locus from *Hordeum vulgare*. *Nucleic Acids Research* 16: 7185-7186.
1237. Rohde W, Dorr S, Salamini F & Becker D 1991 Structure of a chalcone synthase gene from *Hordeum vulgare*. *Plant Molecular Biology* 16: 1103-1106.
1238. Rondon MR, Gough FJ & Williams ND 1966 Inheritance of stem rust resistance in *Triticum aestivum* ssp. *vulgare* 'Reliance' and P.I.94701 of *Triticum durum*. *Crop Science* 6: 177-179.
1239. Rouve S, Boeuf C, Zwickert-Menteur S, Gautier MF, Joudrier P, Bernard M & Jestin L 1996 Locating supplementary RFLP markers on barley chromosome 7 and synteny with homoeologous wheat group 5. *Plant Breeding* 115: 511-513.
1240. Rowland GG 1972 A cytogenetic study in hexaploid wheat of characters derived from *Aegilops squarrosa*. PhD Thesis, University of Manitoba, Winnipeg.
1241. Rowland GG & Kerber ER 1974 Telocentric mapping in hexaploid wheat of genes for leaf rust resistance and other characters derived from *Aegilops squarrosa*. *Canadian Journal of Genetics and Cytology* 16: 137-144.
1242. Ruiz M & Carrillo JM 1993 Linkage relationships between prolamin genes on chromosomes 1A and 1B of durum wheat. *Theoretical and Applied Genetics* 87: 353-360.
1243. Rybalka AI & Sozinov AA 1979 Mapping the locus of Gld 1B which controls the biosynthesis of reserve proteins in soft wheat. *Tsitologiyai Genetika* 13: 276-282.
1244. Sacco F, Tranquillo G, Gorgoschidse L & Suarez E 1991 Aminopeptidase B1: a centromere marker for chromosome 6B of wheat. *Genome* 35: 261-263.
1245. Sachs L 1953 The occurrence of hybrid semi-lethals and the cytology of *Triticum macha* and *T. vavilovi*. *Journal of Agricultural Science* 43: 204-213.
1246. Sadam M 1974 Inheritance of sensitivity to gibberellin and of semidwarfing in *Triticum turgidum* L. *durum* Desf. PhD Thesis, Washington State University, USA.
1247. Sadam M 1975 Genetics of semidwarfing. *Annual Wheat Newsletter* 21: 158-159.
1248. Saghai-Maroo MA, Soliman KM, Jorgensen RA & Allard RW 1984 Ribosomal DNA spacer-length polymorphisms in barley: Mendelian inheritance, chromosomal location, and population dynamics. *Proceedings of the National Academy of Sciences, USA* 81: 8014-8018.
1249. Saidi A & Quick JS 1994 Inheritance of Russian wheat aphid resistance in three winter wheats. *Proceedings of the 6th Russian Wheat Aphid Conference, Fort Collins, Colorado, USA* (Peairs FB, Kroening MK & Simmons CL eds.): 126-132.
1250. Saidi A & Quick JS 1994 Inheritance and allelic relationships among Russian wheat aphid resistance genes in winter wheat. *Crop Science* 36: 256-258.
1251. Salinas J & Benito C 1984 Phosphatase isozymes in rye. Characterisation, genetic control and chromosomal location. *Zeitschrift fur Pflanzenzuchtung* 93: 115-136.
1252. Salinas J & Benito C 1985 Chromosomal location of malate dehydrogenase structural genes in rye (*Secale cereale* L.). *Zeitschrift fur Pflanzenzuchtung* 94: 208-217.
1253. Salinas J & Benito C 1985 Chromosomal locations of phosphoglucomutase, phosphoglucose isomerase, and glutamate oxaloacetate transaminase structural genes in different rye cultivars. *Canadian Journal of Genetics and Cytology* 27: 105-113.
1254. Salinas J & Benito C 1985 Esterase isozymes in rye-characterisation, genetic control, and chromosomal location. *Theoretical and Applied Genetics* 71: 136-140.
1255. Samborski DJ 1973 Leaf rust of wheat in Canada in 1972. *Canadian Plant Disease Survey* 52: 168-170.

1256. Samborski DJ 1980 Occurrence and virulence of *Puccinia recondita* in Canada in 1979. Canadian Journal of Plant Science 2: 246-248.
1257. Samborski DJ & Dyck PL 1968 Inheritance of virulence in wheat leaf rust on the standard differential varieties. Canadian Journal of Genetics and Cytology 10: 24-32.
1258. Samborski DJ & Dyck PL 1982 Enhancement of resistance to *Puccinia recondita* by interactions of resistance genes in wheat. Canadian Journal of Plant Pathology 4: 152-156.
1259. Sanchez-Monge E & Villena LM 1951 (Smooth awned varieties among the Spanish wheats.). An. Estac. Exp. Aula. Dei 2: 210. Cited Plant Breeding Abstracts 21: 2552, p. 831.
1260. Sanchez-Monge R, Barber D, Mendez E, Garcia-Olmedo F & Salcedo G 1986 Genes encoding alpha-amylase inhibitors are located in the short arms of chromosomes 3B, 3D and 6D of wheat (*Triticum aestivum* L.). Theoretical and Applied Genetics 72: 108-113.
1261. Sanchez-Monge R, Delibes A, Hernandez-Lucas C, Carbonaro P & Garcia-Olmedo F 1979 Homoeologous chromosomal location of the genes encoding thionins in wheat and rye. Theoretical and Applied Genetics 54: 61-63.
1262. Sanchez-Monge R, Fernandez JA & Salcedo G 1987 Subunits of tetrameric a-amylase inhibitors of *Hordeum chilense* are encoded by genes located in chromosomes 4H<sup>ch</sup> and 7H<sup>ch</sup>. Theoretical and Applied Genetics 74: 811-816.
1263. Sanghi AK & Baker EP 1972 Genetic bases for resistance in two common wheat cultivars to stem rust strains of unusual avirulence. Proceedings of the Linnean Society of New South Wales 97: 56-71.
1264. Sarkisyan NS & Petrosyan AS 1972 (Descriptions of *Triticum aestivum* and *T. compactum* wheat varieties according to their necrotic genes.). Biol. Zhurnal. Armenii 25: 65-71. Cited Plant Breeding Abstracts 43: 5714, p. 465.
1265. Sasaki M & Wada S 1966 Chromosomal location of genes for crossability with rye using chromosome substitution lines. Japanese Journal of Breeding 16 (Suppl. 2): 178-179.
1266. Sasakuma T & Izumi N 1983 Genetical analysis of dwarfism in common wheat. Wheat Information Service 56: 41-42.
1267. Sawhney RN & Luthra JK 1970 New resistance genes of wheat to Indian races of stripe rust (*Puccinia striiformis*). SABRAO Newsletter, Mishima 2: 155-156. Cited Plant Breeding Abstracts 41: 7312, p.935.
1268. Scarth R & Law CN 1983 The location of the photoperiod gene *Ppd2* and an additional genetic factor for ear-emergence time on chromosome 2B of wheat. Heredity 51: 607-619.
1269. Scarth R & Law CN 1984 The control of day-length response in wheat by the group 2 chromosomes. Zeitschrift fur Pflanzenzuchtung 92: 140-150.
1270. Schachermayr GM, Feuillet C & Keller B 1997 Molecular markers for the detection of the wheat leaf rust resistance gene *Lr10* in diverse genetic backgrounds. Molecular Breeding 3: 65-74.
1271. Schachermayr GM, Messmer MM, Feuillet C, Winzeler H, Winzeler M & Keller B 1995 Identification of molecular markers linked to the *Agropyron elongatum*-derived leaf rust resistance gene *Lr24* in wheat. Theoretical and Applied Genetics 90: 982-990.
1272. Schachermayr R, Siedler H, Gale MD, Winzeler H, Winzeler M & Keller B 1994 Identification and localization of molecular markers linked to *Lr9* leaf rust resistance gene of wheat. Theoretical and Applied Genetics 88: 110-115.
1273. Schafer JF, Caldwell RM, Patterson FL, Compton LE, Gallun RL & Roberts JJ 1968 Arthur soft red winter wheat, a breakthrough to a new yield level. Research Program Report Purdue University Agricultural Experiment Station, Lafayette, Indiana 335: 4pp..
1274. Schaller CW & Briggs FN 1955 Linkage relationships of the Martin, Hussar, Turkey and Rio genes for bunt resistance in wheat. Agronomy Journal 47: 181-186.



1275. Schaller CW, Holton CS & Kendrick EL 1960 Inheritance of the second factor for resistance to bunt *Tilletia caries* and *T. foetida*, in the wheat variety Martin. *Agronomy Journal* 52: 280-285.
1276. Schlegel RT, Werner T & Hulgenhof E 1991 Confirmation of a 4BL.5RL wheat rye translocation line in wheat cultivar 'Viking' showing high copper efficiency. *Plant Breeding* 107: 226-234.
1277. Schmalz H 1958 (Investigations on the inheritance of the spring-winter type of winter hardiness, also of morphological characters and of physiological characters connected with yield of wheat.). *Kuhn-Archiv* 72: 435-437. *Cited Plant Breeding Abstracts* 30: 261, p. 62.
1278. Schmidt C-CH, Schubert V & Bluthner W-D 1993 Use of isozymes to characterize *Triticum aestivum*-*Aegilops markgrafii* addition lines. *Biochem Physiol Pflanzen* 188: 385-392.
1279. Schmidt JC & Seliger P 1982 Nachweis von multiplen formen der alkoholdehydrogenase in blattmaterial von *Triticum aestivum* L. "Carola". *Biochem Physiol Pflanzen* 177: 541-545.
1280. Schmidt JC, Seliger P & Schlegel R 1984 Isoenzyme als biochemische Markerfaktoren für Roggenchromosomen. *Biochem Physiol Pflanzen* 179: 197-210.
1281. Schmidt JW & Johnson VA 1963 A sphaerococcum-like tetraploid wheat. *Crop Science* 3: 98-99.
1282. Schmidt JW & Johnson VA 1966 Inheritance of the sphaerococcum effect in tetraploid wheat. *Wheat Information Service* 22: 5-6.
1283. Schmidt JW, Johnson VA, Mattern PJ, Dreier AF, McVey DV & Hatchett JH 1985 Registration of 'Siouxland' wheat. *Crop Science* 25: 1130-1131.
1284. Schmidt JW, Johnson VA, Nordquist PT, Mattern PJ, Dreier AF, McVey DV & Hatchett JH 1989 Registration of 'Cody' wheat. *Crop Science* 29: 490-491.
1285. Schmidt JW, Morris R & Johnson VA 1969 Monosomic analysis for bunt resistance in derivatives of Turkey and Oro wheats. *Crop Science* 9: 286-288.
1286. Schmidt JW, Weibel DE & Johnson VA 1963 Inheritance of an incompletely dominant character in common wheat simulating *Triticum sphaerococcum*. *Crop Science* 3: 261-264.
1287. Schneider DM, Heun M & Fischbeck G 1991 Inheritance of the powdery mildew resistance gene *Pm9* in relation to *Pm1* and *Pm2* of wheat. *Plant Breeding* 107: 161-164.
1288. Schroeder-Teeter S, Zematra RS, Schotzko DJ, Smith CM & Rafi M 1994 Monosomic analysis of Russian wheat aphid (*Diuraphis noxia*) resistance in *Triticum aestivum* line PI137739. *Euphytica* 74: 117-120.
1289. Scoles GJ 1985 A gene for hybrid necrosis in an inbred line of rye (*Secale cereale* L.). *Euphytica* 34: 207-211.
1290. Scoles GJ, Gill BS, Xin Z-Y, Clarke BC, McIntyre CL, Chapman C & Appels R 1988 Frequent duplication and deletion events in the 5SRNA genes and the associated spacer regions of the Triticeae. *Plant Systematics and Evolution* 160: 105-122.
1291. Sears ER 1944 Cytogenetic studies with polyploid species of wheat. II. Additional chromosome aberrations in *Triticum vulgare*. *Genetics* 29: 232-246.
1292. Sears ER 1947 The sphaerococcum gene in wheat. *Genetics* 32: 102-103.
1293. Sears ER 1954 The aneuploids of common wheat. *Missouri Agricultural Experiment Station Research Bulletin* 572: 59pp.
1294. Sears ER 1956 Neatby's virescent. *Wheat Information Service* 3: 5.
1295. Sears ER 1957 Effects of chromosome XII and XVI on the action of Neatby's virescent. *Wheat Information Service* 6: 1.
1296. Sears ER 1961 Identification of the wheat chromosome carrying leaf rust resistance from *Aegilops umbellulata*. *Wheat Information Service* 12: 12-13.

1297. Sears ER 1966 Chromosome mapping with the aid of telocentrics. Proceedings of the 2nd International Wheat Genetics Symposium Lund, Sweden 1963 (MacKey J ed.): Hereditas Supplement 2: 370-381.
1298. Sears ER 1967 Induced transfer of hairy neck from rye to wheat. Zeitschrift fur Pflanzenzuchtung 57: 4-25.
1299. Sears ER 1972 Reduced proximal crossing-over in telocentric chromosomes of wheat. Genetica Iberia 24: 233-239.
1300. Sears ER 1973 *Agropyron*-wheat transfers induced by homoeologous pairing. Proceedings of the 4th International Wheat Genetics Symposium Columbia, Missouri, USA (Sears ER & Sears LMS eds.): 191-199.
1301. Sears ER 1977 An induced mutant with homoeologous pairing in common wheat. Canadian Journal of Genetics and Cytology 19: 585-593.
1302. Sears ER 1982 A wheat mutant conditioning an intermediate level of homoeologous chromosome pairing. Canadian Journal of Genetics and Cytology 24: 715-719.
1303. Sears ER 1984 Mutations in wheat that raise the level of meiotic chromosome pairing. In Gene Manipulation in Plant Improvement, 16th Stadler Genetics Symposium, Columbia, Missouri, USA (Gustafson JP ed.): 295-300.
1304. Sears ER Personal communication.
1305. Sears ER & Briggles LW 1969 Mapping the gene *Pm1* for resistance to *Erysiphe graminis* f. sp. *tritici* on chromosome 7A of wheat. Crop Science 9: 96-97.
1306. Sears ER & Loegering WQ 1961 A pollen-killing gene in wheat. Genetics 46: 897.
1307. Sears ER & Loegering WQ 1968 Mapping of stem rust genes *Sr9* and *Sr16* of wheat. Crop Science 8: 371-373.
1308. Sears ER & Rodenhiser HA 1948 Nullisomic analysis of stem-rust resistance in *Triticum vulgare* var. Timstein. Genetics 33: 123-124.
1309. Sears ER, Loegering WQ & Rodenhiser HA 1957 Identification of chromosomes carrying genes for stem rust resistance in four varieties of wheat. Agronomy Journal 49: 208-212.
1310. Sears ER, Schaller CW & Briggs FN 1960 Identification of the chromosome carrying the Martin gene for resistance of wheat to bunt. Canadian Journal of Genetics and Cytology 2: 262-267.
1311. Sears LMS & Sears ER 1968 The mutants chlorina-1 and Hermsen's virescent. Proceedings of the 3rd International Wheat Genetics Symposium, Australian Academy of Science, Canberra (Findlay KW & Shepherd KW eds.): 299-304.
1312. Sears RG, Hatchett JM, Cox TS & Gill BS 1992 Registration of Hamlet Hessian fly resistant hard red winter wheat germplasm. Crop Science 32: 506.
1313. Sebesta EE & Wood EA 1978 Transfer of greenbug resistance from rye to wheat with X-rays. Agronomy Abstracts 61-62.
1314. Segal G, Liu B, Vega JM, Abbo S, Rodova M & Feldman M 1997 Identification of a chromosome-specific probe that maps within the *Ph1* deletions in common and durum wheat. Theoretical and Applied Genetics 94: 968-970.
1315. Seitova AM, Metakovsky EV & Sozinov AA 1986 (Biotype composition and blocks of gliadin components in the winter bread wheat Bogarnaya 56). Tsitologiyai Genetika 20: 196-201. Cited Plant Breeding Abstracts 57: 122, p.14.
1316. Shahla A & Tsuchiya T 1990 Genetic analysis in six telotrisomic lines in barley (*Hordeum vulgare* L.). Journal of Heredity 81: 127-130.
1317. Shands RG & Cartwright WB 1953 A fifth gene conditioning Hessian fly response in common wheat. Agronomy Journal 45: 302-307.

1318. Shaner GE, Ohm HW, Foster JE, Patterson FL, Gallun RL & Buechley GC 1985 Registration of 'Compton' wheat. *Crop Science* 25: 712-713.
1319. Shaner GE, Ohm HW, Foster JE, Patterson FL, Gallun RL, Huber DM, Buechley GC, Safranski CG & Hertel JM 1986 Registration of 'Adder' wheat. *Crop Science* 26: 201.
1320. Shaner GE, Roberts JJ & Finney RE 1972 A culture of *Puccinia recondita* virulent on the wheat cultivar Transfer. *Plant Disease Reporter* 56: 827-830.
1321. Shang HS, Dyck PL & Martens JW 1988 Inheritance of resistance to *Puccinia graminis tritici* in eight resistant accessions of common wheat. *Canadian Journal of Plant Pathology* 10: 36-40.
1322. Shang HS, Dyck PL & Samborski DJ 1986 Inheritance of resistance to *Puccinia recondita* in a group of resistant accessions of common wheat. *Canadian Journal of Plant Pathology* 8: 123-131.
1323. Sharma D & Knott DR 1966 The transfer of leaf rust resistance from *Agropyron* to *Triticum* by irradiation. *Canadian Journal of Genetics and Cytology* 8: 137-143.
1324. Sharma HC & Gill BS 1983 Current status of wide hybridization in wheat. *Euphytica* 32: 17-31.
1325. Sharma S, Louwers JM, Karki CB & Snijders CHA 1995 Postulation of resistance genes to yellow rust in wild emmer wheat derivatives and advanced wheat lines from Nepal. *Euphytica* 81: 271-277.
1326. Sharman BC 1944 'Coloured anthers' - a new monofactorial character in wheat, *T. vulgare* Host. *Nature* 154: 675.
1327. Sharman BC 1958 Purple pericarp: a monofactorial dominant gene in tetraploid wheats. *Nature* 181: 929.
1328. Sharp PJ & Soltes-Rak E 1988 Homoeologous relationships between wheat group 2 chromosome arms as determined by RFLP analysis. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK* (Miller TE & Koebner RMD eds.): 635-637.
1329. Sharp PJ, Chao S, Desai S & Gale MD 1989 The isolation, characterisation and application in the Triticeae of a set of RFLP probes identifying each homoeologous chromosome arm. *Theoretical and Applied Genetics* 78: 342-348.
1330. Sharp PJ, Desai S & Gale MD 1988 Isozyme variation and RFLPs at the beta-amylase loci in wheat. *Theoretical and Applied Genetics* 76: 691-699.
1331. Sharp PJ, Kreis M, Shewry PR & Gale MD 1988 Location of beta-amylase sequences in wheat and its relatives. *Theoretical and Applied Genetics* 75: 286-290.
1332. Sheen SJ & Snyder LA 1964 Studies on the inheritance of resistance to six stem rust cultures using chromosome substitution lines of a Marquis wheat selection. *Canadian Journal of Genetics and Cytology* 6: 74-82.
1333. Shen TH 1933 (Inheritance of quantitative and qualitative characters in wheat crosses). *Nanking Journal* 3: 129-142. *Cited Plant Breeding Abstracts* 4: 654, p.202.
1334. Shepherd KW 1968 Chromosomal control of endosperm proteins in wheat and rye. *Proceedings of the 3rd International Wheat Genetics Symposium Australian Academy of Science, Canberra* (Findlay KW & Shepherd KW eds.): 86-96.
1335. Shepherd KW 1973 Homoeology of wheat and alien chromosomes controlling endosperm protein phenotypes. *Proceedings of the 4th International Wheat Genetics Symposium Columbia, Missouri, USA* (Sears ER & Sears LMS eds.): 745-760.
1336. Shewry PR, Bradberry D, Franklin J & White RP 1984 The chromosomal locations and linkage relationships of the structural genes for the prolamin storage proteins (secalin) of rye. *Theoretical and Applied Genetics* 69: 63-69.

1337. Shewry PR, Finch RA, Parmar S, Franklin J & Miflin BJ 1983 Chromosomal location of *Hor3*, a new locus governing storage proteins in barley. *Heredity* 50: 179-189.
1338. Shewry PR, Miflin B & Kasarda DD 1983 The structural and evolutionary relationships of the prolamin storage proteins of barley, rye and wheat. *Philosophical Transactions of the Royal Society of London Series B*. 304: 297-308.
1339. Shewry PR, Parmar S & Miller TE 1985 Chromosomal location of the structural genes for the Mr 75,000 gamma-secalins in *Secale montanum* Guss.: evidence for a translocation involving chromosomes 2R and 6R in cultivated rye (*Secale cereale* L.). *Heredity* 54: 381-383.
1340. Shewry PR, Parmar S, Fulrath N, Kasarda DD & Miller TE 1986 Chromosomal locations of the structural gene for secalins in wild perennial rye (*Secale montanum* Guss.) and cultivated rye (*S. cereale* L.) determined by two-dimensional electrophoresis. *Canadian Journal of Genetics and Cytology* 28: 76-83.
1341. Shewry PR, Pratt HM, Finch RA & Miflin BJ 1978 Genetic analysis of hordein polypeptides from single seeds of barley. *Heredity* 40: 463-466.
1342. Sheybani HA & Jenkins BC 1961 The inheritance of glume pubescence in some durum varieties. *Canadian Journal of Genetics and Cytology* 3: 23-56.
1343. Shi AN, Leath S & Murphy JP 1998 A major gene for powdery mildew resistance transferred to common wheat from wild einkorn wheat. *Phytopathology* 88: 144-147.
1344. Shi AN, Leath S & Murphy JP 1996 Transfer of a major gene for powdery mildew resistance from wild einkorn wheat (*Triticum monococcum* var. *boeoticum*) to common wheat (*Triticum aestivum*). *Phytopathology* 86: 556.
1345. Shiwani & Saini RG 1993 Diversity for resistance to leaf rust in *Triticum aestivum*. *Plant Disease* 77: 359-363.
1346. Sibikeev SN, Kruprov VA, Voronina SA & Elesin VA 1996 First report of leaf rust pathotypes virulent on highly effective *Lr*-genes transferred from *Agropyron* species to bread wheat. *Plant Breeding* 115: 276-278.
1347. Sikka SM, Jain KBL & Parmer KS 1961 Inheritance of some morphological characters in intervarietal crosses of *Triticum aestivum* L. *Journal of the Indian Botanical Society* 40: 217-233. *Cited Plant Breeding Abstracts* 32: 315, p.57.
1348. Sikka SM, Jha KK & Swaminathan MS 1959 Monosomic analysis in bread wheats. II. Identification of chromosomes carrying genes for awning and glume beak shape. *Indian Journal of Genetics* 19: 56-63.
1349. Sikka SM, Rao MV & Athluwalia M 1960 Inheritance studies in wheat. X. Inheritance of field reaction to rusts and other characters. *Indian Journal of Agricultural Science* 30: 223-232.
1350. Singh D, Park RF, Bariana HS & McIntosh 2001 Chromosome location and linkage studies of leaf rust resistance gene *Lr17b* in wheat cultivar Harrier. *Plant Breeding* 120: 7-12.
1351. Singh H & Johnson R 1988 Genetics of resistance to yellow rust in Heines VII, Soissonais and Kalyansona. *Proceedings of the 7th International Wheat Genetics Symposium, IPSR, Cambridge, UK* (Miller TE & Koebner RMD eds.): 885-890.
1352. Singh H, Johnson R & Seth D 1990 Genes for race-specific resistance to yellow rust (*Puccinia striiformis*) in Indian wheat cultivars. *Plant Pathology* 39: 424-433.
1353. Singh N, Donovan GR, Carpenter HC, Skeritt JH & Langridge P 1993 Isolation and characterization of wheat tritacin cDNA revealing a unique lysine-rich repetitive domain. *Plant Molecular Biology* 22: 227-237.
1354. Singh NK 1985 PhD Thesis, University of Adelaide, Australia.
1355. Singh NK & Shepherd KW 1984 A new approach to studying the variation and genetic

- control of disulphide-linked endosperm proteins in wheat and rye. Proceedings of the 2nd International Workshop on Gluten Proteins Wageningen, The Netherlands: 129-136.
1356. Singh NK & Shepherd KW 1984 Mapping of the genes controlling high-molecular-weight glutelin subunits of rye on the long arm of chromosome 1R. *Genetical Research*, Cambridge 44: 117-123.
1357. Singh NK & Shepherd KW 1985 The structure and genetic control of a new class of disulphide-linked proteins in wheat endosperm. *Theoretical and Applied Genetics* 71: 79-92.
1358. Singh NK & Shepherd KW 1988 Linkage mapping of genes controlling endosperm storage proteins in wheat. 1. Genes on the short arms of group 1 chromosomes. *Theoretical and Applied Genetics* 75: 628-641.
1359. Singh NK & Shepherd KW 1988 Linkage mapping of genes controlling endosperm storage proteins in wheat. 2. Genes on the long arm of the group 1 chromosomes. *Theoretical and Applied Genetics* 75: 642-650.
1360. Singh NK, Shepherd KW, Langridge P, Clem-Gruen L, Skerritt JH & Wrigley CW 1988 Identification of legumin-like proteins in wheat. *Plant Molecular Biology* 11: 633-639.
1361. Singh RP 1992 Association between gene *Lr34* for leaf rust resistance and leaf tip necrosis in wheat. *Crop Science* 32: 874-878.
1362. Singh RP 1992 Genetic association of leaf rust resistance gene *Lr34* with adult plant resistance to stripe rust in bread wheat. *Phytopathology* 82: 835-838.
1363. Singh RP 1993 Genetic association of gene *Bdv1* for tolerance to barley yellow dwarf virus with genes *Lr34* and *Yr18* for adult plant resistance to rusts in bread wheat. *Plant Disease* 77: 1103-1106.
1364. Singh RP, Mujeeb-Kazi A & Huerta-Espino J 1998 *Lr46*: a gene conferring slow-rusting resistance to leaf rust in wheat. *Phytopathology* 88: 890-894.
1365. Singh RP & Gupta AK 1991 Genes for leaf rust resistance in Indian and Pakistani wheats tested with Mexican pathotypes of *Puccinia recondita* f. sp. *tritici*. *Euphytica* 57: 27-36.
1366. Singh RP & McIntosh RA 1984 Complementary genes for resistance to *Puccinia recondita tritici* in *Triticum aestivum* I. Genetic and linkage studies. *Canadian Journal of Genetics and Cytology* 26: 723-735.
1367. Singh RP & McIntosh RA 1984 Complementary genes for resistance to *Puccinia recondita tritici* in *Triticum aestivum* II. Cytogenetic studies. *Canadian Journal of Genetics and Cytology* 26: 736-742.
1368. Singh RP & McIntosh RA 1985 Cytogenetical studies in wheat XIV. *Sr8b* for reaction to *Puccinia graminis tritici*. *Canadian Journal of Genetics and Cytology* 28: 189-197.
1369. Singh RP & McIntosh RA 1985 Genetic basis of leaf rust resistance in wheat cultivar Mediterranean. *Cereal Rusts Bulletin* 13: 31-36.
1370. Singh RP & McIntosh RA 1986 Genetics of resistance to *Puccinia graminis tritici* and *Puccinia recondita tritici* in Kenya Plume wheat. *Euphytica* 35: 245-256.
1371. Singh RP & McIntosh RA 1987 Genetics of resistance to *Puccinia graminis tritici* in 'Chris' and 'W3746' wheats. *Theoretical and Applied Genetics* 73: 846-855.
1372. Singh RP & McIntosh RA 1992 Genetic association of wheat stem rust resistance gene *Sr12* and leaf rust resistance gene *Lr27*. *Cereal Research Communications* 20: 217-220.
1373. Singh RP & Rajaram S 1991 Resistance to *Puccinia recondita* f. sp. *tritici* in 50 Mexican bread wheat cultivars. *Crop Science* 31: 1472-1479.
1374. Singh RP & Rajaram S 1992 Genetics of adult-plant resistance to leaf rust in 'Frontana' and three CIMMYT wheats. *Genome* 35: 24-31.
1375. Singh RP & Rajaram S 1994 Genetics of adult plant resistance to stripe rust in ten bread

- wheats. *Euphytica* 72: 1-7.
1376. Singh RP 1993 Resistance to leaf rust in 26 Mexican wheat cultivars. *Crop Science* 33: 633-637.
1377. Singh RP, Nelson JC & Sorrells ME 1998 Mapping *Yr28* and other genes for resistance to stripe rust in wheat. *Crop Science* 40: 1148-1155.
1378. Singh RP, Bechere E & Abdalla O 1992 Genetic analysis of resistance to stem rust in ten durum wheats. *Phytopathology* 92: 919-922.
1379. Singh RP, Burnett PA, Albarran M & Rajaram S 1993 *Bdv1*: a gene for tolerance to barley yellow dwarf virus in bread wheats. *Crop Science* 33: 231-234.
1380. Singh RP, Morgunov A & Huerta-Espino J 1995 Genes conferring low seedling reaction to Mexican pathotypes of *Puccinia recondita* f. sp. *tritici*, and adult-plant responses of recent wheat cultivars from the former USSR. *Euphytica* 81: 225-234.
1381. Singh RP, Singh I & Chowdhury RK 1989 Hybrid necrosis in bread wheat III. *Wheat Information Service* 68: 6-8.
1382. Singh RP, Villareal RL, Rajaram S & Deltoro E 1989 Cataloguing dwarfing genes *Rht1* and *Rht2* in germplasm used by the bread wheat breeding program at CIMMYT. *Cereal Research Communications* 17: 273-279.
1383. Singh S & Sethi GS 1991 Crossability of some bread wheat landraces and improved cultivars from western Himalayas with rye. *Euphytica* 53: 137-141.
1384. Singh SJ & McIntosh RA 1988 Allelism of two genes for stem rust resistance in triticale. *Euphytica* 38: 185-189.
1385. Sitch LA & Snape JW 1986 Allelic variation at the crossability loci in wheat (*Triticum aestivum*). *Wheat Information Service* 63: 11-15.
1386. Sitch LA & Snape JW 1989 Allelic variation at the crossability loci in wheat (*Triticum aestivum*). *Wheat Information Service* 68: 1-5.
1387. Sitch LA, Snape JW & Firman SJ 1985 Intrachromosomal mapping of crossability genes in wheat (*Triticum aestivum*). *Theoretical and Applied Genetics* 70: 309-314.
1388. Sloomaker LAJ, Lange W, Jochemsen G & Schepers J 1974 Monosomic analysis in bread wheat of resistance to cereal root eelworm. *Euphytica* 23: 497-503.
1389. Smith EL, Schlehner AM, Young HC & Edwards LH 1968 Registration of Agent wheat. *Crop Science* 8: 511-512.
1390. Smith EL, Sebesta EE, Young HC, Pass H & Abbot DC 1981 Registration of Payne wheat. *Crop Science* 21: 636.
1391. Smith GS 1957 Inheritance of stem rust reaction in tetraploid wheat hybrids I. Allelic genes in *Mindum durum* and *Vernal emmer*. *Agronomy Journal* 49: 134-137.
1392. Smith JB 1998 Personal communication.
1393. Smith L 1939 Mutants and linkage studies in *Triticum monococcum* and *T. aegilopoides*. *Missouri Agricultural Experiment Station Research Bulletin* 298: 26 pp..
1394. Smith SM, Bedbrook J & Speir J 1983 Characterization of three cDNA clones encoding different mRNAs for the precursor of the small subunit of wheat ribulose biphosphate carboxylase. *Nucleic Acids Research* 11: 8719-8734.
1395. Smith WK 1933 Inheritance of reaction of wheat to physiologic forms of *T. levis* and *T. tritici*. *Journal of Agricultural Research* 47: 89-105.
1396. Snape JW, Angus WJ, Parker B & Lechie D 1987 The chromosomal locations of genes conferring differential response to the wild oat herbicide, difenzoquat. *Journal of Agricultural Science, Cambridge* 108: 543-548.
1397. Snape JW, Chapman V, Moss J, Blanchard CE & Miller TE 1979 The crossabilities of

- wheat varieties with *Hordeum bulbosum*. Heredity 42: 291-298.
1398. Snape JW, Dubcovsky J & Laurie D 1998 Personal communication.
1399. Snape JW, Flavell RB, O'dell M, Hughes WG & Payne PI 1985 Intra-chromosomal mapping of the nucleolar organiser region relative to three marker loci on chromosome 1B of wheat (*Triticum aestivum*). Theoretical and Applied Genetics 69: 263-270.
1400. Snape JW, Law CN, Parker BB & Worland AJ 1985 Genetical analysis of chromosome 5A of wheat and its influence on important agronomic traits. Theoretical and Applied Genetics 71: 518-526.
1401. Snape JW, Leckie D, Parker BB & Nevo E 1991 The genetical analysis and exploitation of differential responses to herbicides in crop species. *In: Herbicide Resistance in Weeds and Crops*. (Casely JC, Cussans G and Atkin RK eds.). Butterworth-Heinemann, Oxfordshire, England: 305-317.
1402. Snape JW, Parker B, Leckie D, Rosati-Colarieti G & Bozorgipour R 1988 Differential responses to herbicides in wheat: uses as genetic markers and target genes for genetic manipulation. Proceedings of the International Congress of EUCARPIA: Genetic Manipulation in Plant Breeding, Biotechnology for the Breeder, Helsingar, Denmark.
1403. Sobko TA 1984 Identification of the locus which controls the synthesis of alcohol-soluble endosperm proteins in soft winter wheat. Journal of Agricultural Science, Kiev N7320: 78-80.
1404. Sobko TA & Poperelya FA 1983 (Linkage of the gliadin-coding locus *Gld 1A* and the gene for hairy glumes *Hg* in wheat.). Nauchno-tehnicheskii Byulleten Vsesoyuznogo Seleksionno-geneticheskogo Instituta 2: 28-33. *Cited Plant Breeding Abstracts* 54: 8716, p. 875.
1405. Sobko TA & Sozinov AA 1993 Genetic control of morphologic traits of a spike and the relationship with allelic variation of marker loci of chromosomes 1A and 1B of winter common wheat. Tsitologiya I Genetika (Eng vers): 27(5): 15-22. Russian version: 15-22.
1406. Sobko TA & Sozinov AA 1997 (Linkage mapping of the loci controlling spike morphological traits and seed storage proteins on the 1A chromosome in winter common wheats). Tsitologiya I Genetika 31(4): 18-26.
1407. Sobko TA, Poperelya FA, Rybalka AI & Sozinov AA 1986 (Inheritance and mapping of genes coding for synthesis of storage proteins on chromosome 1A of bread wheat.). Tsitologiyaii Genetika 20: 372-376. *Cited Plant Breeding Abstracts* 57: 2629, p. 275.
1408. Soliman AS, Heyne EG & Johnston CO 1963 Resistance to leaf rust in wheat derived from *Aegilops umbellulata* translocation lines. Crop Science 3: 254-256.
1409. Soliman AS, Heyne EG & Johnston CO 1964 Genetic analysis of leaf rust resistance in the eight differential varieties of wheat. Crop Science 4: 246-248.
1410. Somasco OC 1990 Inheritance of resistance to *Septoria tritici* blotch in wheat. M.Sc. Thesis, University of California, Davis, USA.
1411. Sontag T, Salovara H & Payne PI 1986 The high molecular-weight glutenin subunit compositions of wheat varieties bred in Finland. Journal of Agricultural Science, Finland 58: 151-156.
1412. Sorrells ME & Jensen NF 1987 Registration of 'Geneva' winter wheat. Crop Science 27: 1314-1315.
1413. Sosa O & Foster JE 1976 Temperature and the expression of resistance to the Hessian fly. Environmental Entomology 5: 333-336.
1414. Sourdille P, Perretant MR, Charmet G, Leroy P, Gautier MF, Joudrier P, Nelson JC, Sorrells ME & Bernard M 1996 Linkage between RFLP markers and genes affecting kernel hardness in wheat. Theoretical and Applied Genetics 93: 580-586.

1415. Sozinov AA 1984 Blocks of cereal storage proteins as genetic markers. Proceedings of the 2nd International Workshop on Gluten Proteins Wageningen, The Netherlands 121-127.
1416. Sozinov AA 1985 Protein polymorphism and its importance in genetics, breeding and evolution. Molekulyarnye Mekhanizmy Geneticheskikh Protssosov. Molekulyarnaya Genetika, Evolyutsiya I Molekulyarno-Geneticheskie Osnovy Seleksii Institut Obshchei Genetiki, Moscow, USSR (Sozinov AA ed.): 219-238.
1417. Srinivasan VK & Padmanabhan TS 1965 Inheritance of disease resistance and ear characters in tetraploid wheats. Indian Journal of Genetics 25: 91-99.
1418. Stanford EH 1941 A new factor for resistance to bunt, *Tilletia tritici*, linked with the Martin and Turkey factors. Journal of the American Society of Agronomy 33: 559-568.
1419. Starling TM, Roane CW & Camper HM 1984 Registration of Tyler wheat. Crop Science 24: 827.
1420. Stebbins NB, Patterson FL & Gallun RL 1980 Interrelationships among wheat genes for resistance to Hessian fly. Crop Science 20: 177-180.
1421. Stebbins NB, Patterson FL & Gallun RL 1982 Interrelationships among wheat genes *H3*, *H6*, *H9* and *H10* for Hessian fly resistance. Crop Science 22: 1029-1032.
1422. Stebbins NB, Patterson FL & Gallun RL 1983 Inheritance of resistance of PI 94587 wheat to biotypes B and D of Hessian fly. Crop Science 23: 251-253.
1423. Steinitz-Sears LM 1963 Cytogenetic studies bearing on the nature of the centromere. Proceedings of the XI International Congress of Genetics The Hague 1: 123.
1424. Stelmakh AF 1987 Growth habit in common wheat (*Triticum aestivum* L. em Thell.). Euphytica 36: 513-519.
1425. Stephenson P, Bryan GJ, Kirby J, Collins AJ, Devos KM, Busso CS & Gale MD 1998 Fifty new microsatellite loci for the wheat genetic map. Theoretical and Applied Genetics 97: 946-949.
1426. Stewart G & Woodward RW 1930 Inheritance in a wheat cross between Hybrid 128 x White Odessa and Kanred. Journal of Agricultural Research 42: 507-520.
1427. Stinissen HM, Peumans WJ, Law CN & Payne PI 1983 Control of lectins in *Triticum aestivum* and *Aegilops umbellulata* by homoeologous group 1 chromosomes. Theoretical and Applied Genetics 67: 53-58.
1428. Streckeisen P & Fried PM 1985 (Analysis of the virulence of wheat powdery mildew in Switzerland in 1981 to 1983). Schweizerische Landwirtschaftliche Forschung 24: 261-269. Cited Plant Breeding Abstracts 56: 9432, p.1017.
1429. Stubbs RW 1966 Recent aspects of the physiological specialisation of yellow rust in The Netherlands. Proceedings of the 3rd European Yellow Rust Conference, Cambridge, 1994: pp.47-54.
1430. Stubbs RW 1985 Stripe rust. In, The Cereal Rusts II. Academic Press, Orlando. (Roelfs AP & Bushnell WR eds.): 61-101.
1431. Stubbs RW, Fuchs E, Vecht H & Basset EJW 1974 The international survey of factors of virulence of *Puccinia striiformis* Westend. in 1969, 1970 and 1971. Nederlands Grain-Centrum Technisch Bericht NR. 21 Wageningen 88pp.
1432. Stuckey J & Driscoll CJ Personal communication.
1433. Sugiyama T, Ratajski A, Peterson D & Soll D 1985 A wheat HMW glutenin subunit gene reveals a highly repeated structure. Nucleic Acids Research 13: 8729-8737.
1434. Sun GL, Fahima T, Korol AB, Turpeinen T, Grama A, Ronin YI & Nevo E 1997 Identification of molecular markers linked to the *Yr15* stripe rust resistance gene of wheat originated in wild emmer wheat, *Triticum dicoccoides*. Theoretical and Applied Genetics 95: 622-628.



1435. Sun M & Dvorak J 1992 Chromosomal location of adenylate kinase, 6-phosphogluconate dehydrogenase, and glutamate-pyruvate transaminase structural loci in wheat, barley and *Lophopyrum elongatum*. *Genome* 35: 147-154.
1436. Sunderman DW & Bruinsma B 1975 Registration of four wheat cultivars. *Crop Science* 15: 104-105.
1437. Sunderman DW & Hatchett JH 1986 Relationship between resistance to Hessian fly and powdery mildew in soft white spring wheat PI 468960. *Crop Science* 26: 1071-1072.
1438. Sunderman DW & Wise M 1973 Registration of Ranger wheat. *Crop Science* 13: 287.
1439. Sunderman DW, O'Connell B & Hatchett JH 1986 Registration of PI 468960 Hessian fly resistant soft spring wheat germplasm. *Crop Science* 26: 1093.
1440. Sunderwirth SD & Roelfs AP 1980 Greenhouse evaluation of the adult plant resistance of *Sr2* to wheat stem rust. *Phytopathology* 70: 634-637.
1441. Suneson CA & Noble WB 1950 Further differentiation of genetic factors in wheat for resistance to the Hessian fly. United States Department of Agriculture Technical Bulletin 1004: 8pp.
1442. Suseelan KN, Rao MVP, Bhatia CR & Rao IN 1982 Mapping of an alcohol dehydrogenase (*Adh-A1*) structural gene on chromosome 4A of *durum* wheat. *Heredity* 49: 353-357.
1443. Suseelan KN, Rao PMV & Bhatia CR 1986 Transfer of a variant allele (*Adh-A1b*) of alcohol dehydrogenase isozyme gene from durum to *aestivum* wheat. *Cereal Research Communications* 14: 317-318.
1444. Sutka J 1977 The association of genes for purple coleoptile with chromosomes of the wheat variety Mironovskaya 808. *Euphytica* 26: 475-479.
1445. Sutka J & Kovacs G 1987 Chromosomal location of dwarfing gene *Rht12* in wheat. *Euphytica* 36: 521-523.
1446. Sutka J & Snape JW 1989 Location of a gene for frost resistance on chromosome 5A of wheat. *Euphytica* 42: 41-44.
1447. Swaminathan MS & Rao MVP 1961 Macro-mutations and sub-specific differentiation in *Triticum*. *Wheat Information Service* 13: 9-11.
1448. Sybenga J 1983 Rye chromosome nomenclature and homoeology relationships. *Zeitschrift fur Pflanzenzuchtung* 90: 297-304.
1449. Syme JR 1983 Flinders. *Journal of the Australian Institute of Agricultural Science* 49: 42.
1450. Syme JR, Law DP, Martin DJ & Rees RG 1983 Bass. *Journal of the Australian Institute of Agricultural Science* 49: 46-47.
1451. Syme JR, Martin DJ, Law DP & Rees RG 1983 King. *Journal of the Australian Institute of Agricultural Science* 49: 47-48.
1452. Symes KJ 1965 The inheritance of grain hardness in wheat as measured by the particle size index. *Australian Journal of Agricultural Research* 16: 113-123.
1453. Tahir ChM & Tsunewaki K 1969 Monosomic analysis of *Triticum spelta* var. *duhamelianum*, a fertility restorer for *T. timopheevi* cytoplasm. *Japanese Journal of Genetics* 44: 19.
1454. Tai SE 1934 (Linkage inheritance of certain characters in wheat). *Journal of the Agricultural Association of China* 120: 10-55. *Cited Plant Breeding Abstracts* 8: 452, p.127.
1455. Takahashi R & Yasuda S 1971 Genetics of earliness and growth habit in barley. *In: Proceedings of the 2nd International Barley Genetics Symposium*, (Nilan RA ed.) Washington State University Press, USA, pp388-408.
1456. Talbert LE, Bruckner PL, Smith LY, Sears R & Martin TJ 1996 Development of PCR markers linked to resistance to wheat streak mosaic virus in wheat. *Theoretical and Applied*

- Genetics 93: 463-467.
1457. Tang KS & Hart GE 1975 Use of isozymes as chromosome markers in wheat-rye addition lines and in triticale. *Genetical Research, Cambridge* 26: 187-201.
1458. Tanner DG & Falk DE 1981 The interaction of genetically controlled crossability in wheat and rye. *Canadian Journal of Genetics and Cytology* 23: 27-32.
1459. Taylor AJ, Smith GMB & Johnson R 1981 Race-specific genetic factors for resistance to *Puccinia striiformis* in wheat cultivars from the Plant Breeding Institute. *Cereal Rusts Bulletin* 9: 33-45.
1460. The TT 1973 Chromosome location of genes conditioning stem rust resistance transferred from diploid to hexaploid wheat. *Nature New Biology* 241: 256.
1461. The TT Personal communication.
1462. The TT & McIntosh RA 1975 Cytogenetical studies in wheat. VIII. Telocentric mapping and linkage studies involving *Sr22* and other genes in chromosome 7AL. *Australian Journal of Biological Sciences* 28: 531-538.
1463. The TT, Gupta RB, Dyck PL, Appels R, Hohmann U & McIntosh RA 1992 Characterization of stem rust resistant derivatives of wheat cultivar Amigo. *Euphytica* 58: 245-252.
1464. The TT, McIntosh RA & Bennett FGA 1979 Cytogenetical studies in wheat. IX. Monosomic analyses, telocentric mapping and linkage relationships of genes *Sr21*, *Pm4*, and *Mle*. *Australian Journal of Biological Sciences* 32: 115-125.
1465. Thiele V & Melz G 1992 Chromosomal location of genes controlling lactate dehydrogenase in rye, wheat and barley. *Genome* 35: 32-34.
1466. Thiele V & Seidel A 1990 Chromosomal location of a catalase gene in wheat using rye-wheat-additions. *Plant Breeding* 105: 78-79.
1467. Thomas JB & Conner RI 1986 Resistance to colonization by the wheat curl mite in *Aegilops squarrosa* and its inheritance after transfer to common wheat. *Crop Science* 26: 527-530.
1468. Thomas JB & Whelan EDP 1991 Genetics of wheat curl mite resistance in wheat: recombination of *Cmcl* with the 6D centromere. *Crop Science* 31: 936-938.
1469. Thomas JB, Kaltsikes PD & Anderson RG 1981 Relation between wheat-rye crossability and seed set of common wheat after pollination with other species in the Hordeae. *Euphytica* 30: 121-127.
1470. Thompson RD, Bartels D & Harberd NP 1985 Nucleotide sequence of a gene from chromosome 1D of wheat encoding a HMW-glutenin subunit. *Nucleic Acids Research* 13: 6833-6846.
1471. Thompson RD, Bartels D, Harberd NP & Flavell RB 1983 Characterisation of the multigene family coding for HMW glutenin subunits in wheat using cDNA clones. *Theoretical and Applied Genetics* 67: 87-96.
1472. Tomar SMS & Singh B 1998 Hybrid chlorosis in wheat x rye crosses. *Euphytica* 99: 1-4.
1473. Tomar SMS, Kochumadhavan M & Nambisan PNN 1987 Frequency and distribution of genes for necrosis and chlorosis in tetraploid species of *Triticum*. *Indian Journal of Genetics* 47: 71-75.
1474. Tomar SMS, Kochumadhavan M & Nambisan PNN 1989 Hybrid weakness in *Triticum dicoccum* Schubl. *Wheat Information Service* 69: 21-23.
1475. Tomar SMS, Kochumadhavan M, Nambisan PNN & Joshi BC 1988 Hybrid necrosis and chlorosis in wild emmer, *T. dicoccoides* Korn. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 165-168.*
1476. Torres JV & Garcia-Olmedo F 1974 Chromosomal location of a gene that controls sterol

- esterification in *Triticum aestivum* L. *Plant Science Letters* 3: 213-217.
1477. Torrie JH 1936 Inheritance studies of several qualitative characters in spring wheat crosses between varieties relatively susceptible and resistant to drought. *Canadian Journal of Research C* 14: 368-385.
1478. Tosa Y & Sakai K 1990 The genetics of resistance of hexaploid wheat to the wheatgrass powdery mildew fungus. *Genome* 33: 225-230.
1479. Tosa Y & Tada S 1990 Operation of resistance genes in wheat to *Erysiphe graminis* f. sp. *tritici* against *E. graminis* f. sp. *agropyri*. *Genome* 33: 231-234.
1480. Tosa Y & Tsujimoto H 1994 Telosomic mapping of wheat genes for resistance to inappropriate formae speciales of *Erysiphe graminis*. *Wheat Information Service* 79: 33-36.
1481. Tosa Y, Tokunaga H & Ogura H 1988 Identification of a gene for resistance to wheatgrass powdery mildew fungus in common wheat cultivar Chinese Spring. *Genome* 30: 612-614.
1482. Tosa Y, Tsujimoto H & Ogura H 1987 A gene involved in the resistance of wheat to wheatgrass powdery mildew fungus. *Genome* 29: 850-852.
1483. Tsujimoto H 1986 Hybrid dysgenesis in wheat caused by gametocidal genes. PhD Thesis, Kyoto University, Japan.
1484. Tsujimoto H 1994 Two new sources of gametocidal genes from *Aegilops longissima* and *Ae. sharonensis*. *Wheat Information Service* 79: 42-46.
1485. Tsujimoto H 1995 Gametocidal genes in wheat and its relatives. IV. Functional relationships between six gametocidal genes. *Genome* 38: 283-289.
1486. Tsujimoto H & Noda K 1988 Chromosome breakage in wheat induced by the gametocidal gene of *Aegilops triuncialis* L.: Its utilization for wheat genetics and breeding. *Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 455-460.*
1487. Tsujimoto H & Tsunewaki K 1984 Gametocidal genes in wheat and its relatives. I. Genetic analyses in common wheat of a gametocidal gene derived from *Aegilops speltoides*. *Canadian Journal of Genetics and Cytology* 26: 78-84.
1488. Tsujimoto H & Tsunewaki K 1985 Gametocidal genes in wheat and its relatives. II. Suppressor of the chromosome 3C gametocidal gene of *Aegilops triuncialis*. *Canadian Journal of Genetics and Cytology* 27: 178-185.
1489. Tsujimoto H & Tsunewaki K 1985 Hybrid dysgenesis in common wheat caused by gametocidal genes. *Japanese Journal of Genetics* 60: 565-578.
1490. Tsujimoto H & Tsunewaki K 1988 Gametocidal genes in wheat and its relatives. III. Chromosome location and effects of two *Aegilops speltoides*-derived gametocidal genes in common wheat. *Genome* 30: 239-244.
1491. Tsunewaki K 1960 Monosomic and conventional analysis in common wheat. III. Lethality. *Japanese Journal of Genetics* 35: 71-75.
1492. Tsunewaki K 1964 Geographical distribution of necrosis genes in common wheat. I. Genetic basis of necrosis. *Annual Report of the National Institute of Genetics, Japan* 15:.
1493. Tsunewaki K 1966 Comparative gene analysis of common wheat and its ancestral species. II. Waxiness, growth habit and awedness. *Japanese Journal of Botany* 19: 175-254.
1494. Tsunewaki K 1966 Comparative gene analysis of common wheat and its ancestral species. III. Glume hairiness. *Genetics* 53: 303-311.
1495. Tsunewaki K 1966 Gene analysis on chlorosis of the hybrid, *Triticum aestivum* var. Chinese Spring x *T. macha* var. subletschumicum and its bearing on the genetic basis of necrosis and chlorosis. *Japanese Journal of Genetics* 41: 413-426.
1496. Tsunewaki K 1969 Necrosis genes in *Triticum macha*, *T. spelta* and *T. vavilovii*. *Wheat*

- Information Service 28: 1-4.
1497. Tsunewaki K 1971 Distribution of necrosis genes in wheat. V. *Triticum macha*, *T. spelta* and *T. vavilovii*. Japanese Journal of Genetics 46: 93-101.
1498. Tsunewaki K 1992 Aneuploid analysis of hybrid necrosis and hybrid chlorosis in tetraploid wheats using the D genome chromosome substitution lines of durum wheat. Genome 35: 594-601.
1499. Tsunewaki K 1998 Personal communication.
1500. Tsunewaki K Personal communication.
1501. Tsunewaki K & Hamada J 1968 A new type of hybrid chlorosis found in tetraploid wheats. Japanese Journal of Genetics 43: 279-288.
1502. Tsunewaki K & Hori T 1967 Distribution of necrosis genes in wheat. IV. Common wheat from Australia, Tibet and Northern Europe. Japanese Journal of Genetics 42: 245-250.
1503. Tsunewaki K & Hori T 1968 Necrosis genes in common wheat varieties from Australia, Tibet and Northern Europe. Wheat Information Service 26: 22-27.
1504. Tsunewaki K & Kihara H 1961 F1 monosomic analysis of *Triticum macha*. Wheat Information Service 12: 1-2.
1505. Tsunewaki K & Nakai Y 1964 Geographical distribution of necrosis genes in wheat. II. Distribution in Japanese local varieties. III. Distribution in Pakistan, Afganistan and Iran. Annual Report of the National Institute of Genetics, Japan 15.
1506. Tsunewaki K & Nakai Y 1967 Distribution of necrosis genes in wheat I. Common wheat from Central Asia. Canadian Journal of Genetics and Cytology 9: 69-74.
1507. Tsunewaki K & Nakai Y 1967 Distribution of necrosis genes in wheat II. Japanese local varieties of common wheat. Canadian Journal of Genetics and Cytology 9: 75-78.
1508. Tsunewaki K & Nakai Y 1967 Distribution of necrosis genes in wheat III. U.S. common wheat. Canadian Journal of Genetics and Cytology 9: 385-393.
1509. Tsunewaki K & Nakai Y 1967 Necrosis genes in US varieties of common wheat. Wheat Information Service 25: 9-18.
1510. Tsunewaki K & Nakai Y 1972 Distribution of necrosis genes in wheat. VII. Common wheat from the Mediterranean. Japanese Journal of Genetics 47: 277-290.
1511. Tsunewaki K & Nakai Y 1973 Considerations on the origin and speciation of four groups of wheat from the distribution of necrosis and chlorosis genes. Proceedings of the 4th International Wheat Genetics Symposium Columbia, Missouri (Sears ER & Sears LMS eds.): 123-129.
1512. Tsunewaki K, Kasahara F & Fujita T 1971 Distribution of necrosis genes in wheat. VI. Chinese common wheat. Japanese Journal of Genetics 46: 103-107.
1513. Tuleen NA, Yang Y-C & Hart GE 1992 Evidence that *Aco-B2* and *Aco-D2* of *Triticum aestivum* are located in chromosomes 4B and 4D. Theoretical and Applied Genetics 83: 1019-1021.
1514. Tyler JM, Webster JA & Merkle OG 1987 Designations for genes in wheat germplasm conferring greenbug resistance. Crop Science 27: 526-527.
1515. Tyler JM, Webster JA & Smith EL 1985 Biotype E greenbug resistance in WSMV resistant wheat germplasm lines. Crop Science 25: 686-688.
1516. Uhlen AK & Ringland K 1987 Gene dosage effects on storage proteins in wheat (*Triticum aestivum*). Journal of Cereal Science 6: 219-223.
1517. Unrau J 1950 The use of monosomes and nullisomes in cytogenetic studies in common wheat. Scientific Agriculture 30: 66-89.
1518. Urbano M, Resta P, Benedettelli S & Bianco A 1989 A *Dasyphyrum villosum* (L.) Candargy

- chromosome related to homoeologous group 3 of wheat. Proceedings of the 7th International Wheat Genetics Symposium IPSR, Cambridge, UK (Miller TE & Koebner RMD eds.): 169-173.
1519. Vacenko AA 1934 (Inheritance of glume pubescence and of the black colour of the ear in durum wheat.). C.R. Academy of Science, U.S.S.R. 4: 338-343. *Cited* Plant Breeding Abstracts 6: 133, p. 38.
1520. Vacenko AA 1936 (Inheritance of grey-smokey colour in the ear of *Triticum vulgare* Vill.). Journal of Botany U.S.S.R. 21: 186-188. *Cited* Plant Breeding Abstracts 9: 175, p. 43.
1521. Vahl U & Muller G 1991 Endopeptidase EP-1 as a marker for the eyespot resistance gene *Pch-1* from *Aegilops ventricosa* in wheat line 'H-93-70' Plant Breeding 107: 77-79.
1522. Valkoun J, Kucerova D & Bartos P 1986 (Transfer of stem rust resistance from *Triticum monococcum* L. to *T. aestivum* L.). Sbornik UVTI Z. Genetika a Slechteni 22: 9-16. *Cited* Plant Breeding Abstracts 56: 4701, p. 504.
1523. Vallega V 1986 High-molecular-weight glutenin subunit composition of Italian *Triticum durum* cultivars and spaghetti cooking quality. Cereal Research Communications 14: 251-257.
1524. Vallega V 1988 Comparative analysis of high-molecular-weight glutenin subunit composition in various *Triticum* species. Plant Breeding 100: 241-246.
1525. Vallega V 1988 High molecular weight glutenin subunit composition of 115 cultivars of *Triticum turgidum* var. *durum* from various origins. Genetica Agraria 42: 235-240.
1526. Vallega V & Mello-Sampayo T 1987 Variation in high-molecular-weight glutenin subunits amongst cultivars of *Triticum turgidum* L. from Portugal. Euphytica 36: 755-762.
1527. Vallega V & Waines JG 1987 High molecular weight glutenin subunit variation in *Triticum turgidum* var. *dicoccum*. Theoretical and Applied Genetics 74: 706-710.
1528. Van Campenhout S & Volckaert G 1997 PCR-based isolation and chromosome assignment of members of the *Em* gene family of wheat. DNA Sequence: 289-300.
1529. Van Deynze AE, Dubcovsky J, Gill KS, Nelson JC, Sorrells ME, Dvorak J, Gill BS, Lagudah ES, McCouch SR & Appels R 1995 Molecular-genetic maps for group 1 chromosomes of Triticeae species and their relation to chromosomes in rice and oat. Genome 38: 45-59.
1530. Van Heemert C & Sybenga J 1972 Identification of the three chromosomes involved in the translocations which structurally differentiate the genome of *Secale cereale* L. from those of *Secale montanum* Guss. and *Secale vavilovii* Grossh. Genetica 43: 387-393.
1531. Van Kints TMC 1986 Mildew of wheat. UK Cereal Pathogen Virulence Survey, Annual Report: 7-12.
1532. Van Silfhout CH Personal communication.
1533. Vapa L & Hart GE 1987 Genetic variation in enzyme phenotypes among Yugoslav wheat cultivars. Plant Breeding 98: 273-280.
1534. Vaquero F, Rebordinos L, Vences FJ & Perez de la Vega M 1990 Genetic mapping of isozyme loci in *Secale cereale* L. Theoretical and Applied Genetics 80: 88-94.
1535. Waines JG & Payne PI 1987 Electrophoretic analysis of the high-molecular-weight glutenin subunits of *Triticum monococcum*, *T. urartu*, and the A genome of bread wheat (*T. aestivum*). Theoretical and Applied Genetics 74: 71-76.
1536. Walker-Simmons MK 1995 Personal communication.
1537. Wall AM, Riley R & Gale MD 1971 The position of a locus on chromosome 5B of *Triticum aestivum* affecting homoeologous meiotic pairing. Genetical Research, Cambridge 18: 329-339.
1538. Wang G, Snape JW, Hu H & Rogers WJ 1993 The high-molecular-weight glutenin subunit

- compositions of Chinese bread wheat varieties and their relationship with bread-making quality. *Euphytica* 68: 205-212.
1539. Wang J, Xu P & Fincher GB 1992 (1-3)-beta-glucanase isozyme GIII from barley (*Hordeum vulgare*). *European Journal of Biochemistry* 209: 103-109.
1540. Wang ML, Atkinson MD, Chinoy CN, Devos KM & Gale MD 1992 Comparative RFLP-based genetic maps of barley chromosome 5 (1H) and rye chromosome 1R. *Theoretical and Applied Genetics* 84: 339-344.
1541. Wang ML, Atkinson MD, Chinoy CN, Devos KM, Harcourt RL, Liu CJ, Rogers WJ & Gale MD 1991 RFLP-based genetic map of rye (*Secale cereale* L.) chromosome 1R. *Theoretical and Applied Genetics* 82: 174-178.
1542. Wang ML, Leitch A, Swarzacher T, Heslop-Harrison J & Moore G 1992 Construction of a chromosome enriched HpaII library from flow-sorted wheat chromosomes. *Nucleic Acids Research* 20: 1897-1901.
1543. Wang RC, Barnes EE & Cook LL 1980 Transfer of wheat streak mosaic virus resistance from *Agropyron* to homoeologous chromosome of wheat. *Cereal Research Communications* 8: 2335-339.
1544. Wang YC, Xue XZ, Tang GS & Wang QY 1982 (Monosomic analysis of height in the wheat variety Aibian 1). *Acta Agronomica Sinica* 8: 193-198. [In Chinese]. *Cited Plant Breeding Abstracts* 53: 4597, p.427.
1545. Washington WJ & Sears ER 1970 Ethyl methanesulphonate-induced chlorophyll mutations in *Triticum aestivum*. *Canadian Journal of Genetics and Cytology* 12: 851-859.
1546. Watanabe N 1994 Near-isogenic lines of durum wheat: their development and plant characteristics. *Euphytica* 72: 143-147.
1547. Watanabe N, Yotani Y & Furuta Y 1996 The inheritance and chromosomal location of a gene for long glume in durum wheat. *Euphytica* 91: 235-239.
1548. Waterhouse WL 1930 Australian rust studies. III. Initial results of breeding for rust resistance. *Proceedings of the Linnean Society of New South Wales* 55: 596-636.
1549. Waterhouse WL 1933 On the production of fertile hybrids from crosses between *vulgare* and *Khapli* emmer wheats. *Proceedings of the Linnean Society of New South Wales* 58: 3.
1550. Watkins AE 1927 Genetic and cytological studies in wheat. IV. *Journal of Genetics* 19: 81-96.
1551. Watkins AE & Ellerton S 1940 Variation and genetics of the awn in *Triticum*. *Journal of Genetics* 40: 243-270.
1552. Watson IA & Luig NH 1961 Leaf rust in Australia: A systematic scheme for the classification of strains. *Proceedings of the Linnean Society of New South Wales* 86: 241-250.
1553. Watson IA & Luig NH 1963 The classification of *Puccinia graminis* var. *tritici* in relation to breeding resistant varieties. *Proceedings of the Linnean Society of New South Wales* 88: 235-258.
1554. Watson IA & Luig NH 1966 *Sr15*-a new gene for use in the classification of *Puccinia graminis* var. *tritici*. *Euphytica* 15: 239-250.
1555. Watson IA & Luig NH Personal communication.
1556. Watson IA & Stewart DM 1956 A comparison of the rust reaction of wheat varieties Gabo, Timstein and Lee. *Agronomy Journal* 48: 514-516.
1557. Watson IA & Waterhouse WL 1949 Australian rust studies VII. Some recent observations on wheat stem rust in Australia. *Proceedings of the Linnean Society of New South Wales* 74: 113-131.

1558. Waud JL & Metzger RJ 1970 Inheritance of a new factor (*Bt8*) for resistance to common bunt of wheat. *Crop Science* 10: 703-704.
1559. Wehling P 1991 Inheritance, linkage relationship and chromosomal localization of the glutamate oxaloacetate transaminase, acid phosphatase, and diaphorase isozyme genes in *Secale cereale* L. *Theoretical and Applied Genetics* 82: 569-576.
1560. Wehling P & Schmidt-Stohn G 1984 Linkage relationships of esterase loci in rye (*Secale cereale* L.). *Theoretical and Applied Genetics* 67: 149-153.
1561. Wehling P, Schmidt-Stohn G & Wricke G 1985 Chromosomal location of esterase, peroxidase, and phosphoglucomutase isozyme structural genes in cultivated rye (*Secale cereale* L.). *Theoretical and Applied Genetics* 70: 377-382.
1562. Wellings CR 1986 Host: pathogen studies of wheat stripe rust in Australia. PhD Thesis, The University of Sydney, Australia.
1563. Wellings CR, McIntosh RA & Hussain M 1988 A new source of resistance to *Puccinia striiformis* f. sp. *tritici* in spring wheats (*Triticum aestivum*). *Plant Breeding* 100: 88-96.
1564. Wells DG & Swenson SP 1944 Inheritance and interaction of genes governing reaction to stem rust, leaf rust and powdery mildew in a spring wheat cross. *Journal of the American Society of Agronomy* 37: 127-133.
1565. Wells DG, Bonnemann JJ, Gardiner WS, Finney KF, Giese HA & Stymiest CE 1983 Nell wheat. *Crop Science* 23: 804-805.
1566. Welsh JR, Keim DL, Pirasteh B & Richards RD 1973 Genetic control of photoperiod response in wheat. *Proceedings of the 4th International Wheat Genetics Symposium* Columbia, Missouri, USA (Sears ER & Sears LMS eds.): 879-884.
1567. Weng J, Wang Z-F & Nguyen HT 1991 A *Triticum aestivum* cDNA clone encoding a low-molecular-weight heat shock protein. *Plant Molecular Biology* 17: 273-275.
1568. Weng J, Wang Z-F & Nguyen HT 1991 Nucleotide sequence of a *Triticum aestivum* cDNA clone which is homologous to the 26 kDa chloroplast-localized heat shock protein gene of maize. *Plant Molecular Biology* 17: 255-258.
1569. Weng J, Wang Z-F & Nguyen HT 1993 Molecular cloning and sequence analysis of cDNA encoding cytoplasmic low molecular weight heat shock proteins in hexaploid wheat. *Plant Science* 92: 35-46.
1570. Wenzel WG 1971 Monosomic analysis of the corroded characteristic in wheat. *Canadian Journal of Genetics and Cytology* 13: 227-230.
1571. Werner JE, Endo TR & Gill BS 1992 Towards a cytogenetically based physical map of the wheat genome. *Proceedings of the National Academy of Sciences, USA* 89: 11307-11311.
1572. Westhoff P 1988 Personal communication.
1573. Whelan EDP 1988 Personal communication.
1574. Whelan EDP 1988 Transmission of a chromosome from decaploid *Agropyron elongatum* that confers resistance to the wheat curl mite in common wheat. *Genome* 30: 293-298.
1575. Whelan EDP & Hart GE 1988 A spontaneous translocation that confers wheat curl mite resistance from decaploid *Agropyron elongatum* to common wheat. *Genome* 30: 289-292.
1576. Whelan EDP & Thomas JB 1989 Chromosomal location in common wheat of a gene (*Cmc1*) from *Aegilops squarrosa* that conditions resistance to colonisation by the leaf curl mite. *Genome* 32: 1033-1036.
1577. Wiggin HC 1955 Monosomic analysis of stem rust reaction and awn expression in Kentana 52 wheat. *Journal of Heredity* 46: 239-242.
1578. William MDHM, Pena RJ & Mujeeb-Kazi A 1993 Seed protein and isozyme variations in *Triticum tauschii* (*Aegilops squarrosa*). *Theoretical and Applied Genetics* 87: 257-263.

1579. Williams KJ, Fisher JM & Langridge P 1994 Identification of RFLP markers linked to the cereal cyst nematode resistance gene (*Cre*) in wheat. *Theoretical and Applied Genetics* 89: 927-930.
1580. Williams KJ, Fisher JM & Langridge P 1996 Development of a PCR-based allele-specific assay from an RFLP probe linked to resistance to cereal cyst nematode in wheat. *Genome* 39: 798-801.
1581. Williams ND & Kaveh H 1976 Relationships of genes for reaction to stem rust from 'Marquis' and 'Reliance' wheat to other *Sr* genes. *Crop Science* 16: 561-564.
1582. Williams ND & Maan SS 1973 Telosomic mapping of genes for resistance to stem rust of wheat. *Proceedings of the 4th International Wheat Genetics Symposium Columbia, Missouri, USA* (Sears ER & Sears LMS eds.): 765-770.
1583. Williams ND, Joppa LR, Duysen ME & Freeman TP 1983 Monosomic analysis of an EMS-induced chlorina mutation in wheat. *Proceedings of the 6th International Wheat Genetics Symposium, Kyoto, Japan* (Sakamoto S. ed.): 303-306.
1584. Williamson JD, Quatrano RS & Cumings AC 1985 Em polypeptide and its messenger RNA levels are modulated by ABA during embryogenesis in wheat. *European Journal of Biochemistry* 152: 501-507.
1585. Williamson MS, Ford J & Kreis M 1988 Molecular cloning of two isoform forms of chymotrypsin inhibitor 1 (CI-1) from barley endosperm and their expression in normal and mutant barleys. *Plant Molecular Biology* 10: 521-535.
1586. Wilson RE 1985 Inheritance of resistance to *Septoria tritici* in wheat. *In: Septoria in Cereals, Proceedings of Workshop, Montana State University, Bozeman, Montana, USA, 1983*, (Scharen AL ed.): 33-35.
1587. Winzeler M, Winzeler H & Keller B 1995 Endopeptidase polymorphism and linkage of the *Ep-D1c* null allele with the *Lr19* leaf-rust-resistance gene in hexaploid wheat. *Plant Breeding* 114: 24-28.
1588. Wise RP, Rohde W & Salamini F 1990 Nucleotide sequence of the Bronze-1 homologous gene from *Hordeum*. *Plant Molecular Biology* 14: 277-279.
1589. Wolf G & Rimpau J 1979 Structural and regulatory genes for phosphodiesterase in wheat. *Proceedings of the 5th International Wheat Genetics Symposium, New Delhi, India* (Ramanujam S ed.) 12: 705-712.
1590. Wolf G, Rimpau J & Lelley T 1977 Localization of structural and regulatory genes for phosphodiesterase in wheat (*Triticum aestivum*). *Genetics* 86: 597-605.
1591. Wolfe MS 1967 Physiologic specialization of *Erysiphe graminis* f. sp. *tritici* in the United Kingdom, 1964-5. *Transactions of the British Mycological Society* 50: 631-640.
1592. Wolfe MS & Wright SE 1972 Annual Report, Plant Breeding Institute Cambridge, 1971: 142-143.
1593. Woo SC & Konzak CF 1969 Genetic analysis of short culm mutants induced by ethyl methane sulphonate in *Triticum aestivum* L. *In: Induced Mutations in Plants: Proceedings of the IAEA/FAO Symposium on the Nature, Induction and Utilization of Mutations in Plants, Pullman, Washington, USA, IAEA*: 551-555.
1594. Worland AJ 1995 Personal communication.
1595. Worland AJ & Law CN 1980 The genetics of hybrid dwarfing in wheat. *Zeitschrift fur Pflanzenzuchtung* 85: 28-39.
1596. Worland AJ & Law CN 1983 Cytoplasmic variation in wheat. 1982 Annual Report, Plant Breeding Institute Cambridge: 79-80.
1597. Worland AJ & Law CN 1985 Aneuploidy in semidwarf wheat varieties. *Euphytica* 34: 317-327.



1598. Worland AJ & Law CN 1986 Genetic analysis of chromosome 2D of wheat I. The location of genes affecting height, day-length insensitivity, hybrid dwarfism and yellow-rust resistance. *Zeitschrift fur Pflanzenzuchtung* 96: 331-345.
1599. Worland AJ & Petrovic S 1988 The gibberellic acid insensitive dwarfing gene from the variety Saitama 27. *Euphytica* 38: 55-63.
1600. Worland AJ & Sayers EJ 1995 *Rht1* (*B. dw*), an alternative allelic variant for breeding semi-dwarf wheat varieties. *Plant Breeding* 114: 397-400.
1601. Worland AJ, Law CN & Parker BB 1984 Alternative semi-dwarfing genes. Annual Report, Plant Breeding Institute Cambridge, 1983: 59-61.
1602. Worland AJ, Law CN & Shakoor A 1980 The genetical analysis of an induced height mutant in wheat. *Heredity* 45: 61-71.
1603. Worland AJ, Law CN, Hollins TW, Koebner RMD & Guira A 1988 Location of a gene for resistance to eyespot (*Pseudocercospora herpotrichoides*) on chromosome 7D of bread wheat. *Plant Breeding* 101: 43-51.
1604. Worland AJ, Petrovic S & Law CN 1988 Genetic analysis of chromosome 2D of wheat II. The importance of this chromosome to Yugoslavian varieties. *Plant Breeding* 100: 247-259.
1605. Worland AJ, Sayers EJ & Borner A 1994 The genetics and breeding potential of *Rht12*, a dominant dwarfing gene in wheat. *Plant Breeding* 113: 187-196.
1606. Worland AJ 1986 Gibberellic acid insensitive dwarfing genes in southern European wheats. *Euphytica* 35: 857-866.
1607. Wrigley CW & Shepherd KW 1973 Electrofocusing of grain proteins from wheat genotypes. *Annals of the New York Academy of Science* 209: 154-162.
1608. Xia XC, Hsam SLK, Stephan U, Yang TM & Zeller FJ 1995 Identification of powdery-mildew-resistance genes in common wheat (*Triticum aestivum* L.). VI. Wheat cultivars grown in China. *Plant Breeding* 114: 175-175.
1609. Xie DX, Devos KM, Moore G & Gale MD 1993 RFLP-based genetic maps of the homoeologous group 5 chromosomes of bread wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 87: 70-74.
1610. Xin ZY, Johnson R, Law CN & Worland AJ 1984 A genetic analysis of genes for yellow rust resistance in the winter wheat variety Feng-Kang 13. *Acta Agronomica Sinica* 10: 217-222.
1611. Xin ZY, Law CN & Worland AJ 1988 Studies of the effects of the vernalization responsive genes on the chromosomes of homoeologous group 5 of wheat. *Proceedings of the 7th International Wheat Genetics Symposium, IPSR, Cambridge, UK* (Miller TE & Koebner RMD eds.): 675-680.
1612. Yamada T 1989 Identification of GA-insensitive *Rht* genes in Japanese modern varieties and landraces of wheat. *Euphytica* 43: 53-57.
1613. Yamada T 1990 Classification of GA response, *Rht* genes and culm length in Japanese varieties and land races of wheat. *Euphytica* 50: 221-239.
1614. Yamamori M 1994 An N-band marker for gene *Lr18* for resistance to leaf rust in wheat. *Theoretical and Applied Genetics* 89: 643-646.
1615. Yamamori M & Endo TR 1996 Variation of starch granule proteins and chromosome mapping of their coding genes in common wheat. *Theoretical and Applied Genetics* 93: 275-281.
1616. Yamamori M, Nakamura T & Nagamine T 1995 Polymorphism of two waxy proteins in the emmer group of tetraploid wheat, *Triticum dicoccoides*, *T. dicoccum*, and *T. durum*. *Plant Breeding* 114: 215-218.
1617. Yamamori M, Nakamura T, Endo TR & Nagamine T 1994 Waxy protein deficiency and

- chromosomal location of coding genes in common wheat. *Theoretical and Applied Genetics* 89: 178-184.
1618. Yang ZJ & Ren ZL 1996 Chromosome location of a new gene for resistance to powdery mildew in wheat (*Triticum aestivum* L.). Manuscript.
1619. Yen F, Evans LE & Larter EN 1969 Monosomic analysis of fertility restoration in three restorer lines of wheat. *Canadian Journal of Genetics and Cytology* 11: 531-546.
1620. Yu MQ, Jahier J & Person-Dedryver F 1992 Genetics of two mechanisms of resistance to *Meloidogyne naasi* (Franklin) in an *Aegilops variabilis* Eig accession. *Euphytica* 58: 267-273.
1621. Yu MQ, Person-Dedryver F & Jahier J 1990 Resistance to root knot nematode, *Meloidogyne naasi* (Franklin) transferred from *Aegilops variabilis* Eig to bread wheat. *Agronomie* 6: 451-456.
1622. Zadoks JC 1961 Yellow rust on wheat. Studies on epidemiology and physiological specialization. *Journal Pl. Ziekten* 67: 69-256.
1623. Zeller FJ 1973 1B/1R wheat-rye chromosome substitutions and translocations. Proceedings of the 4th International Wheat Genetics Symposium, Columbia, Missouri, USA (Sears ER & Sears LMS eds.): 209-221.
1624. Zeller FJ & Fuchs E 1983 (Cytologie und Krankheitsresistenz einer 1A/1R-und meherer 1B/1R-Weizen-Roggen-Translocationssorten). *Zeitschrift fur Pflanzenzuchtung* 90: 284-296.
1625. Zeller FJ & Hsam SLK 1996 Chromosomal location of a gene suppressing powdery mildew resistance genes *Pm8* and *Pm17* in common wheat (*Triticum aestivum* L. em. Thell.). *Theoretical and Applied Genetics* 93: 38-40.
1626. Zeller FJ & Oppitz K 1977 (The localization of the gene *SrEC* for stem rust resistance in the wheat Etoile de Choisy using monosomic analysis). *Zeitschrift fur Pflanzenzuchtung* 78: 79-82.
1627. Zeller FJ & Sastrosumarjo S 1972 (The cytology of the wheat variety Weiique (*T. aestivum* L.)). *Zeitschrift fur Pflanzenzuchtung* 68: 312-321.
1628. Zeller FJ, Lutz J & Stephan U 1993 Chromosome location of genes for resistance to powdery mildew in common wheat (*Triticum aestivum* L.).1. *MLK* and other alleles at the *Pm3* locus. *Euphytica* 68: 223-229.
1629. Zeller FJ, Lutz J, Reimlein EI, Limpert E & Koenig J 1993 Identification of powdery mildew resistance genes in common wheat (*Triticum aestivum* L.) II. French cultivars. *Agronomie* 13: 201-207.
1630. Zeven AC 1965 First supplementary list of genotypes of hybrid necrosis of wheat varieties. *Euphytica* 14: 239-243.
1631. Zeven AC 1967 Second supplementary list of genotypes of hybrid necrosis of wheat varieties. *Euphytica* 16: 18-22.
1632. Zeven AC 1968 Third supplementary list of wheat varieties classified according to their genotype for hybrid necrosis. *Euphytica* 17: 46-53.
1633. Zeven AC 1969 Fourth supplementary list of wheat varieties classified according to their genotype for hybrid necrosis. *Euphytica* 18: 43-57.
1634. Zeven AC 1969 Tom Pouce Blanc and Tom Pouce Barbu Rouge, two *Triticum aestivum* sources of very short straw. *Wheat Information Service* 29: 8-9.
1635. Zeven AC 1971 Fifth supplementary list of wheat varieties classified according to their genotype for hybrid necrosis and geographical distribution of *Ne*-genes. *Euphytica* 20: 239-254.
1636. Zeven AC 1972 Determination of the chromosome and its arm carrying the *Ne1*-locus of *Triticum aestivum* L., Chinese Spring and the *Ne1*-expressivity. *Wheat Information Service*

- 33-34: 4-6.
1637. Zeven AC 1973 Sixth supplementary list of wheat varieties classified according to their genotype for hybrid necrosis and geographical distribution of *Ne*-genes. *Euphytica* 22: 618-632.
1638. Zeven AC 1976 Seventh supplementary list of wheat varieties classified according to their genotype for hybrid necrosis and geographical distribution of *Ne*-genes. *Euphytica* 25: 255-276.
1639. Zeven AC 1981 Eighth supplementary list of wheat varieties classified according to their genotype for hybrid necrosis. *Euphytica* 30: 521-539.
1640. Zeven AC 1983 The character brown ear of wheat: A review. *Euphytica* 32: 299-310.
1641. Zeven AC 1985 The genetics of auricle colour in wheat (*Triticum aestivum* L.): A review. *Euphytica* 34: 233-236.
1642. Zeven AC 1987 Crossability percentages of some 1400 bread wheat varieties and lines with rye. *Euphytica* 36: 299-319.
1643. Zeven AC 1991 Wheats with purple and blue grains a review. *Euphytica* 56: 243-258.
1644. Zeven AC Personal communication.
1645. Zeven AC & Knott DR Personal communication.
1646. Zeven AC & van Heemert C 1970 Germination of pollen of weed rye (*Secale segetale* L.) on wheat (*Triticum aestivum* L.) stigmas and the growth of pollen tubes. *Euphytica* 19: 175-179.
1647. Zhang HB & Dvorak J 1990 Characterization and distribution of an interspersed repeated nucleotide sequence from *Lophopyrum elongatum* and mapping of a segregation distortion factor with it. *Genome* 33: 927-936.
1648. Zhang HT & Knott DR 1993 Inheritance of adult plant resistance to leaf rust in six durum wheat cultivars. *Crop Science* 33: 694-697.
1649. Zhang YL, Luo MC, Yen C & Yang JL 1992 Chromosome location of a new crossability gene in common wheat. *Wheat Information Service* 75: 36-40.
1650. Zhao XC, Batey IL, Sharp PJ, Crosbie G, Barclay I, Wilson R, Morell MK & Appels R 1998 A single genetic locus associated with starch granule properties and noodle quality in wheat. *Journal of Cereal Science* 27: 7-13.
1651. Zhong GY & Qualset CO 1993 Allelic diversity of high-molecular-weight glutenin protein subunits in natural populations of *Dasypyrum villosum* (L.) Candargy. *Theoretical and Applied Genetics* 86: 851-858.
9901. Dubcovsky J, Lukaszewski AJ, Echaide M, Antonelli EF & Porter DR 1998 Molecular characterization of two *Triticum speltoides* interstitial translocations carrying leaf rust and greenbug resistance genes. *Crop Science* 38: 1655-1660.
9902. Kosner J & Pankova K 1998 The detection of allelic variation of the recessive *Vrn* loci of winter wheat. *Euphytica* 101: 9-16.
9903. Kato K, Miura H, Akiyama M, Kuroshima M & Sawada S 1998 RFLP mapping of the three major genes, *Vrn1*, *Q*, and *B1*, on the long arm of chromosome 5A of wheat. *Euphytica* 101: 91-95.
9904. Fahima T, Sun GL, Chaque V, Korol A, Grama A, Ronin Y & Nevo E 1997 Use of the near isogenic lines approach to identify molecular markers linked to the *Yr15* stripe rust resistance gene of wheat. *Israel Journal of Plant Science* 45: 262.
9905. Liu JQ & Kolmer JA 1998 Genetics of stem rust resistance in wheat cultivars Pasqua and AC Taber. *Phytopathology* 88: 171-176.
9906. Etremova TT, Maystrenko OI, Arbuzova VS & Laikova LI 1998 Genetic analysis of glume

- colour in common wheat cultivars from the former USSR. *Euphytica* 102: 211-218.
9907. Klindworth DL, Williams ND & Joppa LR 1990 Chromosomal location of genes for supernumerary spikelet in tetraploid wheat. *Genome* 33: 515-520.
9908. Peng ZS, Deng CL, Yen C & Yang JL 1998 Genetic control of supernumary spikelet in common wheat line LYB. *Wheat Information Service* 86: 6-12.
9909. Peng Z-S, Yen C & Yang J-L 1998 Genetic control of oligo-culms in common wheat. *Wheat Information Service* 86: 19-24.
9910. Demeke T, Hucl P, Nair RB, Nakamura T & Chibbar R 1997 Evaluation of Canadian and other wheats for waxy proteins. *Cereal Chemistry* 74: 442-44.
9911. Graybosh RA, Peterson CJ, Hansen LE, Rahman S, Hill A & Skerritt JH 1998 Identification and characterization of U. S. wheats carrying null alleles at the *Wx* loci. *Cereal Chemistry* 75: 162-165.
9912. Miruta H, Tanii S, Nakamura T & Watanabe N 1994 Genetic control of amylose content in wheat endosperm starch and differential effects of three *Wx* genes. *Theoretical and Applied Genetics* 89: 276-280.
9913. Rodriguez-Quijano M, Nieto-Taladriz MT & Carrillo JM 1998 Polymorphism of waxy proteins in Iberian hexaploid wheats. *Plant Breeding* 117: 341-344.
9914. Urbano M, Colaprino G & Margiotta B 1996 Waxy protein variation in tetraploid and hexaploid wheats. In: C. W. Wrigley (ed), *Gluten 1996, Proceedings of the 6th International gluten workshop*, RAC1, North Melbourne, Australia pp64-67.
9915. Yamamori M, Nakamura T & Kuroda A 1992 Variation in the content of starch-granule bound protein among several Japanese cultivars of common wheat (*Triticum aestivum* L.). *Euphytica* 64: 215-219.
9916. Yamamori M, Nakamura T, Endo TR & Nagamine T 1994 Waxy protein deficiency and chromosomal location of coding genes in common wheat. *Theoretical and Applied Genetics* 89: 179-184.
9917. Zeng M, Morris CT, Batey I & Wrigley CW 1997 Sources of variation for starch gelatinization, pasting and gelation properties in wheat. *Cereal Chemistry* 74: 63-71.
9918. Marais GF, Horn M & Du Toit F 1994 Intergeneric transfer (rye to wheat) of a gene(s) for Russian wheat aphid resistance. *Plant Breeding* 113: 265-271.
9919. Singh NK, Shepherd KW & McIntosh RA 1990 Linkage mapping of genes for resistance to leaf rust, stem rust and stripe rust and omega-secalins on the short arm of rye chromosome 1R. *Theoretical and Applied Genetics* 80: 609-616.
9920. Blanco A, Bellomo MP, Lotti C, Maniglio T, Pasqualone A, Simeone R, Troccoli A & Di Fonzo N 1998 Genetic mapping of sedimentation values across environments using recombinant inbred lines of durum wheat. *Plant Breeding* 117: 413-417.
9921. Sacco F, Suarez EY & Narango T 1998 Mapping of the leaf rust resistance gene *Lr3* of Sinvalocho MA wheat. *Genome* 41: 686-690.
9922. Nieto-Taladriz MT, Rodriguez-Quijano M & Carrillo JM 1998 Biochemical and genetic characterization of a D glutenin subunit encoded at *Glu-B3* locus. *Genome* 41: 215-220.
9923. Gold J, Harder D, Townley-Smith F, Aung T & Procinier J 1999 Development of a molecular marker for rust resistance genes *Sr39* and *Lr35* in wheat breeding lines. *Electronic Journal of Biotechnology* 'http://www.ejb.org'. 2(1):.
9924. Faris JD, Anderson JA, Francl LJ & Jordahl JG 1997 RFLP mapping of resistance to chlorosis induction by *Pyrenophora tritici-repentis* in wheat. *Theoretical and Applied Genetics* 94: 98-103.
9925. Waldron BL, Moreno-Sevilla B, Anderson JA, Stack RW & Froberg RC 1999 RFLP mapping of QTL for *Fusarium* head blight resistance in wheat. *Crop Science* 39: 805-811.

9926. Boyko EV, Gill KS, Mickelson-Young L, Nasuda S, Raupp WJ, Ziegler JN, Singh S, Hassawi DS, Fritz AK, Namuth D, Lapitan NLV & Gill BS 1999 A high-density genetic linkage map of *Aegilops tauschii*, the D-genome progenitor of bread wheat. *Theoretical and Applied Genetics* 99: 16-26.
9927. Du C & Hart GE 1998 *Triticum turgidum* L. 6A and 6B recombinant substitution lines: extended linkage maps and characterization of residual background alien genetic variation. *Theoretical and Applied Genetics* 96: 645-653.
9928. Boyko EV 1999 Personal communication.
9929. Roder MS, Korzun V, Wendehake K, Plaschke J, Tixier M-H, Leroy P & Ganal MW 1998 A microsatellite map of wheat. *Genetics* 149: 2007-2023.
9930. Koval SF & Goncharov NP 1998 Multiple allelism at the *Vrn1* locus of common wheat. *Acta Agronomica Hungarica* 46: 113-119.
9931. Faris JD, Laddomada B & Gill BS 1998 Molecular mapping of segregation distortion loci in *Aegilops tauschii*. *Genetics* 149: 319-327.
9932. Santa-Maria GE, Rubio F, Dubcovsky J & Rodriguez-Navarro A. 1997 The HAK1 gene of barley is a member of a large gene family and encodes a high-affinity potassium transporter. *The Plant Cell* 9: 2281-2289.
9933. Kojima T & Ogihara Y 1998 High-resolution RFLP map of the long arm of chromosome 5A in wheat and its synteny among cereals. *Genes and Genetic Systems* 73: 51-58.
9934. Kojima T, Tsujimoto H & Ogihara Y 1997 High-resolution RFLP mapping of the fertility restoration (*Rf3*) gene against *Triticum timopheevi* cytoplasm located on chromosome 1BS of common wheat. *Genes and Genetic Systems* 72: 353-359.
9935. Kojima T, Nagaoka T, Noda K & Ogihara Y 1998 Genetic linkage map of ISSR and RAPD markers in Einkorn wheat in relation to that of RFLP markers. *Theoretical and Applied Genetics* 96: 37-45.
9936. Parker GD, Chalmers KJ, Rathjen AJ & Langridge P 1998 Mapping loci associated with flour colour in wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 97: 238-245.
9937. Nagamine T, Yoshida H & Komae K 1997 Varietal differences and chromosome locations of multiple isoforms of starch branching enzyme in wheat endosperm. *Phytochemistry* 46: 23-26.
9938. Seo YW, Johnson JW & Jarret RL 1997 A molecular marker associated with the *H21* Hessian fly resistance gene in wheat. *Molecular Breeding* 3: 177-181.
9956. Nelson JC, Autrique JE, Fuentes-Davila G & Sorrells ME 1998 Chromosomal location of genes for resistance to Karnal bunt in wheat. *Crop Science* 38: 231-236.
9957. Cadalen T, Sourdille P, Charmet G, Tixier MH, Gay G, Boeuf C, Bernard S, Leroy P & Bernard M 1998 Molecular markers linked to genes affecting plant height in wheat using a doubled-haploid population. *Theoretical and Applied Genetics* 96: 933-940.
9958. Mingot D & Jacquemin JM 1998 Mapping of RFLP probes characterized for their polymorphism on wheat. *Theoretical and Applied Genetics* 98: 1132-1137.
9959. Blanco A, Bellomo MP, Cenci A, De Giovanni C, D'Ovidio R, Iacono E, Laddomada B, Pagnotta MA, Porceddu E, Sciancalepore A, Simeone R & Tanzarella OA 1998 A genetic linkage map of durum wheat. *Theoretical and Applied Genetics* 97: 721-728.
9960. Flintham JE, Adlam R, Bassoi M, Holdsworth M & Gale MD 2002 Mapping genes for resistance to sprouting damage in wheat. *Euphytica* 126: 39-45.
9961. Bailey PC, McKibbin RS, Lenton JR, Holdsworth MJ, Flintham JE & Gale MD 1998 Genetic map locations for orthologous *Vp1* genes in wheat and rice. *Theoretical and Applied Genetics* 98: 977-984.
9962. Worland AJ, Korzun V, Roder MS, Ganal MW & Law CN 1998 Genetic analysis of the

- dwarfing gene *Rht8* in wheat. Part II. The distribution and adaptive significance of allelic variants at the *Rht8* locus of wheat as revealed by microsatellite screening. *Theoretical and Applied Genetics* 96: 1110-1120.
9964. Worland AJ, Korzun V & Petrovic S 1998 The presence of the dwarfing gene *Rht8* in wheat varieties of the former Yugoslavian republics as detected by a diagnostic molecular marker. *Proc. 2nd Balkan Symposium on Field Crops*. Pp. 51-55.
9965. Qu L-J, Foote TN, Roberts MA, Money TA, Aragon-Alcaide L, Snape JW & Moore G 1998 A simple PCR-based method for scoring the *ph1b* deletion in wheat. *Theoretical and Applied Genetics* 96: 371-375.
9966. Sourdille P, Charmet G, Trottet M, Tixier MH, Boeuf C, Negre S, Barloy D & Bernard M 1998 Linkage between RFLP molecular markers and the dwarfing genes *Rht-B1* and *Rht-D1* in wheat. *Hereditas* 128: 41-46.
9968. Myburg AA, Cawood M, Wingfield BD & Botha A-M 1998 Development of RAPD and SCAR markers linked to the Russian wheat aphid resistance gene *Dn2* in wheat. *Theoretical and Applied Genetics* 96: 1162-1169.
9969. Sarma RN, Gill GS, Sasaki T, Galiba G, Sutka J, Laurie D & Snape JW 1998 Comparative mapping of the wheat chromosome 5A *Vrn-A1* region with rice and its relationship to QTL for flowering time. *Theoretical and Applied Genetics* 97: 103-109.
9970. Chen Q-F, Yen C & Yang J-L 1998 Chromosome location of the gene for brittle rachis in the Tibetan weederace of common wheat. *Genetic Resources and Crop Evolution* 45: 407-410.
9972. Riechers DE, Kleinhofs A, Irzyk GP & Jones SS 1998 Chromosomal location and expression of a herbicide safener-regulated glutathione S-transferase gene in *Triticum aestivum* and linkage relations in *Hordeum vulgare*. *Genome* 41: 368-372.
9973. Riechers DE, Irzyk GP, Fuerst EP & Jones SS 1998 Nucleotide sequence of a cDNA encoding a safener-induced glutathione S-transferase (accession No. AF004358) from *Triticum tauschii* (PGR 97-110). *Plant Physiology* 114: 1568-1568.
9974. Van Campenhout S, Aert R & Volckaert G 1998 Orthologous DNA sequence variation among 5S ribosomal RNA gene spacer sequences on homoeologous chromosomes 1B, 1D, and 1R of wheat and rye. *Genome* 41: 244-255.
9975. Briney A, Wilson R, Potter RH, Barclay I, Crosbie G, Appels R & Jones MGK 1998 A PCR-based marker for selection of starch and potential noodle quality in wheat. *Molecular Breeding* 4: 427-433.
9976. Van Campenhout S, Lagi L, Vander Stappen J & Volckaert G 1998 Characterisation of type-I thionin loci from the A, B, D and R genomes of wheat and rye. *Theoretical and Applied Genetics* 96: 80-86.
9981. Metakovsky EV Personal communication.
9982. Metakovsky EV, Branlard G, Chernakov VM, Upelniak VP, Redaelli R & Pogna NE 1997 Recombination mapping of some chromosome 1A-, 1B-, 1D- and 6B-controlled gliadins and low-molecular-weight glutenin subunits in common wheat. *Theoretical and Applied Genetics* 94: 788-795.
9983. Metakovsky EV, Chernakov VM, Upelniak VP, Redaelli R, Dardevet M, Branlard G & Pogna NG 1996 Recombination mapping of minor omega-gliadin-coding loci on chromosome 1A of common wheat: A revision. *Journal of Genetics and Breeding* 50: 277-286.
9984. Metakovsky EV, Davidov SD, Chernakov VM & Upelniak VP 1993 Gliadin allele identification in common wheat. III. Frequency of occurrence and appearance of spontaneous mutations at the gliadin-coding loci. *Journal of Genetics and Breeding* 47: 221-236.

9985. Metakovsky EV, Gomez M, Vazquez JF & Carrillo JM 2000 High genetic diversity of Spanish common wheats as judged from gliadin alleles. *Plant Breeding* 119: 37-42.
9986. Metakovsky EV, Pogna NE, Biancardi AM & Redaelli R 1994 Gliadin allele composition of common wheat cultivars grown in Italy. *Journal of Genetics and Breeding* 48: 55-66.
9987. Redaelli R, Metakovsky EV, Davidov SD & Pogna NE 1994 Two-dimensional mapping of gliadins using biotypes and null mutants of common wheat cultivar Saratovskaya 29. *Hereditas* 121: 131-137.
9988. Vaccino P & Metakovsky EV 1995 RFLP patterns of gliadin alleles in *Triticum aestivum* L.: implications for analysis of the organization and evolution of complex loci. *Theoretical and Applied Genetics* 90: 173-181.
9989. D'Ovidio R, Masci S, Porceddu E & Kasarda DD 1997 Duplication of the Bx7 high-molecular-weight glutenin subunit gene in bread wheat (*Triticum aestivum* L.) cultivar 'Red River 68'. *Plant Breeding* 116: 525-531.
9990. Watanabe N. 1999 Genetic control of the long glume phenotype in tetraploid wheat by homoeologous chromosomes. *Euphytica* 106: 39-43.
9991. Romero D, Delibes A, Lopez Brana I, Mena M, Duce A & Andres MF 1994 Studies of the chromosome location of a gene conferring resistance to *Heterodera avenae* transferred from the wild grass *Aegilops ventricosa* to hexaploid wheat. Proc. 22nd International Nematology Symposium, Gent, Belgium (Abstr.).
0001. Rong JK, Millet E, Manisterski J & Feldman M 2000 A new powdery mildew resistance gene: introgression from wild emmer into common wheat and RFLP-based mapping. *Euphytica* 115: 121-126.
0002. Jarve K, Peusha HO, Tsymbalova J, Tamm S, Devos KM & Enno TM 2000 Chromosomal location of a *T. timopheevii*-derived powdery mildew resistance gene transferred to common wheat. *Genome* 43: 377-381.
0003. Peng JH, Fahima T, Roder MS, Li YC, Dahan A, Grama A, Ronin YI, Korol AB & Nevo E 1999 Microsatellite tagging of the stripe rust resistance gene *YrH52* derived from wild emmer wheat, *Triticum dicoccoides*, and suggestive negative crossover interference on chromosome 1B. *Theoretical and Applied Genetics* 98: 862-872.
0004. Labuschagne M & Maartens H 1999 The use of low molecular weight glutenin subunits to distinguish between wheat cultivars with and without resistance to the Russian wheat aphid, *Diuraphis noxia*. *Plant Breeding* 118: 91-92.
0005. Bai GH, Kolb FL, Shaner G & Domier LL 1999 Amplified fragment length polymorphism markers linked to a major quantitative trait locus controlling scab resistance in wheat. *Phytopathology* 89: 343-348.
0006. Mesterhazy A, Bartok T, Mirocha CG & Komoroczy R 1999 Nature of wheat resistance to Fusarium head blight and the role of deoxynivalenol for breeding. *Plant Breeding* 118: 97-110.
0007. Anderson JA, Effertz RJ, Faris JD, Francl LJ, Meinhardt SW & Gill BS 1999 Genetic analysis of sensitivity to a *Pyrenophora tritici-repentis* necrosis-inducing toxin in durum and common wheat. *Phytopathology* 89: 293-297.
0008. Graybosch RA, Lee JH, Peterson CJ, Porter DR & Chung OK 1999 Genetic, agronomic and quality comparisons of two IAL.IRS wheat-rye chromosomal translocations. *Plant Breeding* 118: 125-130.
0009. Jahier J, Tanguy AM, Abelard P & Rivoal R 1996 Utilization of deletions to localize a gene for resistance to cereal cyst nematode, *Heterodera avenae*, on an *Aegilops ventricosa* chromosome. *Plant Breeding* 115: 282-284.
0010. Boshoff WPH & Pretorius ZA 1999 A new pathotype of *Puccinia striiformis* f. sp. *tritici* on

- wheat in South Africa. *Plant Disease* 83: 591.
0011. Hartl L, Mohler V, Zeller FJ, Hsam SLK & Schweizer G 1999 Identification of AFLP markers closely linked to the powdery mildew resistance genes *Pm1c* and *Pm4a* in common wheat (*Triticum aestivum* L.). *Genome* 42: 322-329.
0012. Paull JG, Chalmers KJ, Karakousis A, Kretschmer J, Manning S & Langridge P 1998 Genetic diversity in Australian wheat varieties and breeding material based on RFLP data. *Theoretical and Applied Genetics* 96: 435-446.
0013. Singh RP, Chen WQ & He ZH 1999 Leaf rust resistance of spring, facultative and winter wheat cultivars from China. *Plant Disease* 83: 644-651.
0014. Liu Z, Sun Q, Ni Z & Yang T 1999 Development of SCAR markers linked to the *Pm21* gene conferring resistance to powdery mildew in common wheat. *Plant Breeding* 118: 215-219.
0015. Prasad M, Varshney RK, Kumar A, Balyan HS, Sharma PC, Edwards KJ, Singh H, Dhaliwal HS, Roy JK & Gupta PK 1999 A microsatellite marker associated with a QTL for grain protein content on chromosome 2DL of bread wheat. *Theoretical and Applied Genetics* 99: 341-345.
0016. Chantret N, Pavoine MT & Doussinault G 1999 The race specific resistance gene to powdery mildew, *MIRE*, has a residual effect on adult plant resistance of winter wheat line RE714. *Phytopathology* 89: 533-539.
0017. Liu DC, Yen C, Yang JL, Zhang YL & Lan XJ 1999 The chromosomal locations of high crossability genes in tetraploid wheat *Triticum turgidum* cv. Ailanmai native to Sichuan, China. *Euphytica* 108: 79-82.
0018. Miura H, Araki E & Tarui S 1999 Amylose synthesis capacity of the three *Wx* genes of wheat cv. Chinese Spring. *Euphytica* 108: 91-95.
0019. Peng JR, Richards DE, Hartley NM, Murphy GP, Devos KM, Flintham JE, Beales J, Fish LJ, Worland AJ, Pelica F, Duralalagaraja Sudhakar, Christou P, Snape JW, Gale MJ & Harberd NP. 1999 'Green revolution' genes encode mutant gibberellin response modulators. *Nature* 400: 256-261.
0020. Fowler DB, Limin AE & Ritchie JT 1999 Low temperature tolerance in cereals: Model and genetic interpretation. *Crop Science* 39: 626-633.
0021. Espitia-Rangel E, Baenziger PS, Graybosch RA, Shelton DR, Moreno-Sevilla B & Peterson CJ 1999 Agronomic performance and stability of 1A vs. 1AL.1RS genotypes derived from winter wheat 'Nekota'. *Crop Science* 39: 643-648.
0022. Peusha H, Enno T & Pruliin O 2000 Chromosomal location of powdery mildew resistance genes and cytogenetic analysis of meiosis in common wheat cultivar Meri. *Hereditas* 132: 29-34.
0023. Miura H, Nakagawa M & Worland AJ 1999 Control of ear emergence time by chromosome 3A of wheat. *Plant Breeding* 118: 85-87.
0024. Worland AJ 1999 Personal communication.
0025. Shah MM, Gill KS, Baenziger PS, Yen Y, Kaeppler SM & Ariyaratna HM 1999 Molecular mapping of loci for agronomic traits on chromosome 3A of bread wheat. *Crop Science* 39: 1728-1732.
0026. Kato K, Miura H & Sawada S 1999 Detection of an earliness *per se* quantitative trait locus in the proximal region of wheat chromosome 5AL. *Plant Breeding* 118: 391-394.
0027. Yamamori M & Auyinh NT 2000 Differential effects of *Wx-A1*, *-B1* and *-D1* protein deficiencies on apparent amylose content and starch pasting properties in common wheat. *Theoretical and Applied Genetics* 100: 32-38.
0028. Peusha H, Hsam SLK, Enno T & Zeller FJ 1996 Identification of powdery mildew



- resistance genes in common wheat (*Triticum aestivum* L. em. Thell) VIII. Cultivars and advanced breeding lines grown in Finland. *Heredity* 124: 91-93.
0029. McIntosh RA, Devos KM, Dubcovsky J & Rogers WJ 2000 Catalogue of gene symbols for wheat: 2000 Supplement. *Wheat Information Service* 91: 33-70.
0030. Salina E, Borner A, Leonoval I, Korzun V, Laikova L, Maystrenko O & Roder MS 2000 Microsatellite mapping of the induced sphaerococcoid mutation genes in *Triticum aestivum*. *Theoretical and Applied Genetics* 100: 686-689.
0031. Messmer MM, Keller M, Zanetti S & Keller B 1999 Genetic linkage map of a wheat x spelt cross. *Theoretical and Applied Genetics* 98: 1163-1170.
0032. Roy JK, Prasad M, Varshney RK, Balyan HS, Blake TK, Dhaliwal HS, Singh H, Edwards KJ & Gupta PK 1999 Identification of a microsatellite on chromosomes 6B and a STS on 7D of bread wheat showing an association with preharvest sprouting tolerance. *Theoretical and Applied Genetics* 99: 336-340.
0033. Borner A, Roder MS, Unger O & Meinel A 2000 The detection and molecular mapping of a major gene for non specific adult plant disease resistance against stripe rust (*Puccinia striiformis*) in wheat. *Theoretical and Applied Genetics* 100: 1095-1099.
0034. Sarma RN, Fish LJ, Gill BS & Snape JW 2000 Physical characterisation of the homoeologous group 5 chromosomes of wheat in terms of rice linkage blocks, and physical mapping of some important genes. *Genome* 43: 191-198.
0035. Korzun V, Roder MS, Wendehake K, Pasqualone A, Lotti C, Ganal MW & Blanco A 1999 Integration of dinucleotide microsatellites from hexaploid bread wheat into a genetic linkage map of durum wheat. *Theoretical and Applied Genetics* 98: 1202-1207.
0036. Cenci A, D'Ovidio R, Tanzarella OA, Ceoloni C & Porceddu E 1999 Identification of molecular markers linked to Pm13, an *Aegilops longissima* gene conferring resistance to powdery mildew in wheat. *Theoretical and Applied Genetics* 98: 448-454.
0037. Somers D 2000 Personal communication.
0038. Blake TK, Kadyrzhanova D, Shepherd KW, Islam AKMR, Langridge PL, McDonald CL, Erpelding J, Larson S, Blake NK & Talkbert LE 1996 STS-PCR markers appropriate for wheat-barley introgression. *Theoretical and Applied Genetics* 93: 826-832.
0039. Roder M 1999 Personal communication.
0040. Effertz RJ, Anderson JA & Francl LJ 1998 QTLs associated with resistance to chlorosis induction by *Pyrenophora tritici-repentis* in adult wheat. *Canadian Journal of Plant Pathology* 20: 438-439.
0041. Li Z, Rahman S, KosarHashemi B, Mouille G, Appels R & Morell MK 1999 Cloning and characterization of a gene encoding wheat starch synthase I. *Theoretical and Applied Genetics* 98: 1208-1216.
0042. Li ZY, Chu XS, Mouille G, Yan LL, KosarHashemi B, Hey S, Napier J, Shewry P, Clarke B, Appels R, Morell MK & Rahman S 1999 The localization and expression of the class II starch synthases of wheat. *Plant Physiology* 120: 1147-1155.
0043. Devos KM 2000 Personal communication.
0044. Robert O, Abelard C & Dedryver F 1999 Identification of molecular markers for the detection of the yellow rust resistance gene *Yr17* in wheat. *Molecular Breeding* 5: 167-175.
0045. Seyfarth R, Feuillet C, Schachermayr G, Winzeler M & Keller B 1999 Development of a molecular marker for the adult plant leaf rust resistance gene *Lr35* in wheat. *Theoretical and Applied Genetics* 99: 554-560.
0046. Simonetti MC, Bellomo MP, Laghetti G, Perrino P, Simeone R & Blanco A 1999 Quantitative trait loci influencing free-threshing habit in tetraploid wheats. *Genetic Resources and Crop Evolution* 46: 267-271.

0047. Araki E, Miura H & Sawada S 1999 Identification of genetic loci affecting amylose content and agronomic traits on chromosome 4A of wheat. *Theoretical and Applied Genetics* 98: 977-984.
0048. Lagudah ES 2000 Personal communication.
0050. Messmer MM, Seyfarth R, Keller M, Schachermayr G, Winzeler M, Zanetti S, Feuillet C & Keller B 2000 Genetic analysis of durable leaf resistance in winter wheat. *Theoretical and Applied Genetics* 100: 419-431.
0051. Keller M, Keller B, Schachermayr G, Winzeler M, Schmid JE, Stamp P & Messmer MM 1999 Quantitative trait loci for resistance against powdery mildew in a segregating wheat x spelt population. *Theoretical and Applied Genetics* 98: 903-912.
0052. Keller M, Karutz C, Schmid JE, Stamp P, Winzeler M, Keller B & Messmer MM 1999 Quantitative trait loci for lodging resistance in a segregating wheat x spelt population. *Theoretical and Applied Genetics* 98: 1171-1182.
0053. Shimosaka E, Sasanuma T & Handa H 1999 A wheat cold-regulated cDNA encoding an early light-inducible protein (ELIP): Its structure, expression and chromosomal location. *Plant Cell Physiology* 40: 319-325.
0054. Wu GH, Wilen RW, Robertson AJ & Gusta LV 1999 Isolation, chromosomal localization, and differential expression of mitochondrial manganese superoxide dismutase and chloroplastic copper zinc superoxide dismutase genes in wheat. *Plant Physiology* 120: 513-520.
0055. Biagetti M, Vitelozzi F & Ceoloni C 1999 Physical mapping of wheat - *Aegilops longissima* breakpoints in mildew-resistant recombinant lines using FISH with highly repeated and low copy DNA probes. *Genome* 42: 1013-1019.
0056. Maystrenko OI, Laikova LI, Arbuzova VS & Melnik VM 1998 The chromosome location of the S1, S2 and S3 genes of induced sphaerococoid mutations in common wheat. *EWAC Newsletter* 127-130.
0057. Law CN 1996 The genetic control of daylength response in wheat. *In Manipulation of Flowering* (Atherton JG ed.) Butterworth, London pp. 225-240.
0058. Worland AJ 1996 The influence of flowering time genes on environmental adaptability in European wheats. *Euphytica* 89: 49-57.
0059. Ma ZQ, Roder M & Sorrells ME 1996 Frequencies and sequence characteristics of di-, tri-, and tetra- nucleotide microsatellites in wheat. *Genome* 39: 123-130.
0060. Anonymous 2000 GrainGenesdatabase (<http://ars-genome.cornell.edu/cgi-bin/WebAce/webace?db=graingenes>).
0061. Rebmann G, Mauch F & Dudler R 1991 Sequence of a wheat cDNA encoding a pathogen-induced thaumatin-like protein. *Plant Molecular Biology* 17: 282-285.
0062. Worland AJ, Borner A, Korzun V, Li, WM, Petrovic S & Sayers EJ 1998 The influence of photoperiod genes on the adaptability of European winter wheats. *Euphytica* 100: 385-394.
0063. Snape JW, Laurie DA & Worland AJ 1998 Understanding the genetics of abiotic stress responses in cereals and possible strategies for their amelioration. *Aspects of Applied Biology* 50: 9-14.
0064. Ciaffi M, Dominici L, Tanzarella OA & Porceddu E 1999 Chromosomal assignment of gene sequences coding for protein disulphideisomerase (PDI) in wheat. *Theoretical and Applied Genetics* 98: 405-410.
0065. Deal KR, Goyal S & Dvorak J 1999 Arm location of *Lophopyrum elongatum* genes affecting K<sup>+</sup>/Na<sup>+</sup> selectivity under salt stress. *Euphytica* 108: 193-198.
0066. Arbuzova VS, Maystrenko OI & Popovic OM 1998 Development of near isogenic lines of the common wheat cultivar 'Saratovskaya 29' *Cereal Research Communications* 26: 39-46.

0067. Kato K, Miura H & Sawada S 1999 Comparative mapping of the wheat *Vrn-A1* region with the rice *Hd-6* region. *Genome* 42: 204-209.
0068. Kato K, Miura H & Sawada S 1999 QTL mapping of genes controlling ear emergence time and plant height on chromosome 5A of wheat. *Theoretical and Applied Genetics* 98: 472-477.
0069. Liu DJ, Liu JY, Toa WJ & Chen PD 1998 Molecular markers and breeding wheat for powdery mildew resistance. *Proceedings 9th International Wheat Genetics Symposium, Volume 3* (Slinkard AE ed). University of Saskatchewan Extension Press pp. 128-131.
0070. Sourdille P, Robe P, Tixier MH, Doussinault G, Pavoine MT & Bernard M 1999 Location of *Pm3g*, a powdery mildew resistance allele in wheat, by using a monosomic analysis and by identifying associated molecular markers. *Euphytica* 110: 193-198.
0071. Mesfin A, Frohberg RC & Anderson JA 1999 RFLP markers associated with high grain protein from *Triticum turgidum* L. var. *dicoccoides* introgressed into hard red spring wheat. *Crop Science* 39: 508-513.
0072. Mrva K & Mares DJ 1999 Regulation of high pI alpha-amylase synthesis in wheat aleurone by a gene(s) located on chromosome 6B. *Euphytica* 109: 17-23.
0073. Murai J, Taira T & Ohta D 1999 Isolation and characterization of the three Waxy genes encoding the granule-bound starch synthase in hexaploid wheat. *Gene* 234: 71-79.
0074. Udall JA, Souza E, Anderson J, Sorrells ME & Zemetra RS 1999 Quantitative trait loci for flour viscosity in winter wheat. *Crop Science* 39: 238-242.
0075. Vrinten P, Nakamura T & Yamamori M 1999 Molecular characterization of waxy mutations in wheat. *Molecular and General Genetics* 261: 463-471.
0076. Shan X, Blake TK & Talbert LE 1999 Conversion of AFLP markers to sequence-specific PCR markers in barley and wheat. *Theoretical and Applied Genetics* 98: 1072-1078.
0077. Shariflou MR & Sharp PJ 1999 A polymorphic microsatellite in the 3' end of 'waxy' genes of wheat, *Triticum aestivum*. *Plant Breeding* 118: 275-277.
0078. Waldron BL, Moreno-Sevilla B, Anderson JA, Stack RW & Frohberg RC 1999 RFLP mapping of QTL for fusarium head blight resistance in wheat. *Crop Science* 39: 805-811.
0079. Kato K, Miura H, Akiyama M, Kuroshima M & Sawada S 1999 RFLP mapping of the three major genes, *Vrn1*, *Q* and *B1*, on the long arm of chromosome 5A of wheat. *Euphytica* 101: 91-95.
0080. Dubcovsky J 2000 Personal communication.
0081. Weng, Y, Tuleen NA & Hart G 2000 Extended physical maps and a consensus physical map of the homoeologous group-6 chromosomes of wheat (*Triticum aestivum* L. em Thell.) *Theoretical and Applied Genetics* 100: 519-527.
0082. Lillemo M & Morris CF 2000 A leucine to proline mutation in puorindoline b is frequently present in hard wheats from Northern Europe. *Theoretical and Applied Genetics* 100: 1100-1107.
0083. Tranquilli G, Lijavetzky D, Muzzi G & Dubcovsky J 1999 Genetic and physical characterization of grain texture-related loci in diploid wheat. *Molecular and General Genetics* 262: 846-850.
0084. Lukaszewski AJ 2000 Manipulation of the 1RS. 1BL translocation in wheat by induced homoeologous recombination. *Crop Science* 40: 216-225.
0085. Saini RG, Kaur M, Singh B, Sharma Shiwani, Nanda GS, Nayar SK, Gupta AK & Nagarajan S. 2002 Genes *Lr48* and *Lr49* for hypersensitive adult plant leaf rust resistance in wheat (*Triticum aestivum*) *Euphytica* 124: 365-370.
0086. Bryan GJ, Stephenson P, Collins A, Kirby J, Smith JB & Gale MD 1999 Low levels of DNA sequence variation among adapted genotypes of hexaploid wheat. *Theoretical and*

- Applied Genetics 99: 192-198.
0087. Adlam RE & Flintham JE 1999 Rapid identification of chromosome-specific sequence-tagged-sites in hexaploid wheat, using selective PCR from nullisomic-tetrasomic lines. *Cereal Research Communications* 27: 1-2.
0088. Seyfarth S, Feuillet C & Keller B 1998 Development and characterization of molecular markers for the adult plant leaf rust resistance genes *Lr13* and *Lr35* in wheat. *Proceedings 9<sup>th</sup> International Wheat Genetics Symposium (Slinkard AE ed). University of Saskatchewan, Extensien Press Vol 3: pp 154-155.*
0089. Khan IA 2000 Molecular and agronomic characterization of wheat-*Agropyron intermedium* recombinant chromosomes. *Plant Breeding* 119: 25-29.
0090. Faris JD, Li WL, Liu DJ, Chen PD & Gill BS 1999 Candidate gene analysis of quantitative disease resistance in wheat. *Theoretical and Applied Genetics* 98: 219-225.
0091. Li WL, Faris JD, Chittoor JM, Leach JE, Hulbert S, Liu DJ, Chen PD & Gill BS 1999 Genomic scanning of defence response genes in wheat. *Theoretical and Applied Genetics* 98: 226-233.
0092. Collinge D 2000 Personal communication.
0093. White F 2000 Personal communication.
0094. Musket T 2000 Personal communication.
0095. Hulbert S 2000 Personal communication.
0096. Muthukrishnan S 2000 Personal communication.
0097. Morris SW, Vernooij B, Titatam S, Starrett M, Thomas S, Wiltse CC, Frederiksen RA, Bhandhufalck A, Hulbert S & Uknes S 1998 Induced resistance responses in maize. *Molecular Plant-Microbe Interactions* 11: 643-658.
0098. Christensen AB, Gregerson PL, Schroder J & Collinge DB 1998 A chalcone synthase with an unusual substrate preference is expressed in barley leaves in response to UV light and pathogen attack. *Plant Molecular Biology* 37: 849-857.
0099. Christensen AB, Gregersen PL, Olsen CE & Collinge DB 1998 A flavonoid 7-O-methyltransferase is expressed in barley leaves in response to pathogen attack. *Plant Molecular Biology* 36: 219-227.
00100. Gregersen PL, Thordal-Christensen H, Forster H & Collinge DB 1997 Differential gene transcript accumulation in barley leaf epidermis and mesophyll in response to attack by *Blumeria graminis* f. sp. *hordei* (syn. *Erysiphe graminis* f. sp. *hordei*). *Molecular Plant Pathology* 51: 85-97.
00101. Brandt J, Thordal-Christensen H, Vad K, Gregersen PL & Collinge DB 1992 A pathogen-induced gene of barley encodes a protein showing high similarity to a protein kinase regulator. *Plant Journal* 2: 815-820.
00102. Zhou F, Zhang Z, Gregersen PL, Mikkelsen JD, de Neergaard E, Collinge DB & Thordal-Christensen H 1998 Molecular characterization of the oxalate oxidase involved in the response of barley to the powdery mildew fungus. *Plant Physiology* 117: 33-41.
00103. Wei Y, Zhang Z, Andersen CH, Schmelzer E, Gregersen PL, Collinge DB, Smedegaard-Petersen & Thordal-Christensen H 1998 An epidermis/papilla-specific oxalate oxidase-like protein in the defense response of barley attacked by the powdery mildew fungus. *Plant Molecular Biology* 36: 101-112.
00104. Bryngelsson T, Sommer-Knudsen J, Gregersen PL, Collinge DB, Ek B & Thordal-Christensen H 1994 Purification, characterization, and molecular cloning of basic PR-1-type pathogenesis-related proteins from barley. *Molecular Plant-Microbe Interactions* 7: 267-275.
00105. Allaby RG, Banerjee M & Brown TA 1999 Evolution of the high molecular weight glutenin loci of the A, B, D, and G genomes of wheat. *Genome* 42: 296-307.

00106. Lee Y-K, Bekes F, Gupta R, Appels R & Morell MK 1999 The low-molecular-weight glutenin subunit proteins of primitive wheats. I. Variation in A-genome species. *Theoretical and Applied Genetics* 98: 119-125.
00107. Lee Y-K, Ciaffi M, Appels R & Morell MK 1999 The low-molecular-weight glutenin subunit proteins of primitive wheats. II. The genes from A-genome species. *Theoretical and Applied Genetics* 98: 126-134.
00108. Ciaffi M, Lee Y-K, Tamas L, Gupta R, Skerritt J & Appels R 1999 The low-molecular-weight glutenin subunit proteins of primitive wheats. III. The genes from D-genome species. *Theoretical and Applied Genetics* 98: 135-148.
00109. Lee Y-K, Bekes F, Gras P, Ciaffi M, Morell MK & Appels R 1999 The low-molecular-weight glutenin subunit proteins of primitive wheats. IV. Functional properties of products from individual genes. *Theoretical and Applied Genetics* 98: 149-155.
00110. Corbellini M, Empilli S, Vaccino P, Brandolini A, Borghi B, Heun M & Salamini F 1999 Einkorn characterization for bread and cookie production in relation to protein subunit composition. *Cereal Chemistry* 76: 727-733.
00111. Igrejas G, Guedes-Pinto H, Carnide V & Branlard G 1999 The high and low molecular weight glutenin subunits and omega-gliadin composition of bread and durum wheats commonly grown in Portugal. *Plant Breeding* 118: 297-302.
00112. Khelifi D, Branlard G & Bourgoin-Greeneche M 1992 Diversity of some D zone omega gliadins of bread wheat as revealed by 2-step A-PAGE/SDS-PAGE technique. *Journal of Genetics and Breeding* 46: 351-358.
00113. Jackson EA, Morel M-H, Sontag-Strohm T, Branlard G, Metakovsky EV & Redaelli R 1996 Proposal for combining the classification systems of alleles of *Gli-1* and *Glu-3* loci in bread wheat (*Triticum aestivum* L.). *Journal of Genetics and Breeding* 50: 321-336.
00114. Nieto-Taladriz MT, Ruiz M, Martinez MC, Vazquez JF & Carrillo JM 1997 Variation and classification of B low-molecular-weight glutenin subunit alleles in durum wheat. *Theoretical and Applied Genetics* 95: 1155-1160.
00115. Piergiovanni AR & Blanco A 1999 Variation of HMW glutenin and gamma-gliadin subunits in selected accessions of *Triticum dicoccon* (Schrank) and *T. spelta* (L.). *Cereal Research Communications* 27: 205-211.
00116. Radic-Miehle H, Saam C, Huls R, Kling ChI & Hesemann CU 1998 Characterization of spelt (*Triticum spelta* L.) forms by gel-electrophoretic analyses of seed storage proteins. III. Comparative analyses of spelt and Central European winter wheat (*Triticum aestivum* L.) cultivars by SDS-PAGE and acid-PAGE. *Theoretical and Applied Genetics* 97: 1340-1346.
00117. Radic H, Gunther T, Kling CI & Hesemann CU 1997 Characterisation of spelt (*Triticum spelta* L.) forms by gel electrophoretical analyses of seed storage proteins. II. The glutenins. *Theoretical and Applied Genetics* 94: 882-886.
00118. Harsch S, Gunther T, Kling CI, Rozynek B & Hesemann CU 1997 Characterisation of spelt (*Triticum spelta* L.) forms by gel electrophoretical analyses of seed storage proteins. I. The gliadins. *Theoretical and Applied Genetics* 94: 52-60.
00119. Metakovsky EV, Wrigley CW, Bekes F & Gupta RB 1990 Gluten polypeptides as useful genetic markers of dough quality in Australian wheats. *Australian Journal of Agricultural Research* 41: 289-306.
00120. Dubcovsky J 2000 Personal communication.
0101. Prins R & Marais GF 1998 An extended deletion map of the *Lr19* translocation and modified forms. *Euphytica* 103: 95-102.
0102. Bartos P, Stuchlikova E & Hanusova R 1996 Adaptation of wheat rusts to the wheat cultivars in former Czechoslovakia. *Euphytica* 92: 95-103.

0103. Barloy D, Lemoine J, Dredryver F & Jahier J 2000 Molecular markers linked to the *Aegilops variabilis*- derived root knot nematode resistance gene *Rkn-mn1* in wheat. *Plant Breeding* 118: 169-172.
0104. Delibes A 2000 Personal communication.
0105. Romero MD, Montes MJ, Sin E, Lopez-Brana I, Duce I, Martin-Sanchez JA, Andres MF & Delibes A 1988 A cereal cyst nematode (*Heterodera avenae* Woll.) resistance gene transferred from *Aegilops triuncialis* to hexaploid wheat. *Theoretical and Applied Genetics* 96: 1135-1140.
0107. Jahier J, Abelard P, Tonguy AM, Dedryver F, Rivoal R, Khatkar R & Bariana HS 2001 The *Aegilops ventricosa* segment on chromosome 2AS of the wheat cultivar 'VPM1' carries the cereal cyst nematode gene *Cre5*. *Plant Breeding* 120: 125-128.
0108. Peng JH, Fahima T, Roder MS, LI YC, Grama A & Nevo E 2000 Microsatellite high-density mapping of the stripe rust resistance gene *YrH52* region on chromosome 1B and evaluation of its marker-assisted selection in the F2 generation in wild emmer wheat. *New Phytologist* 146: 141-154.
0109. Koval SF 1997 The catalog of near-isogenic lines of Novosibirskaya-67 common wheat and principles of their use in experiments. *Russian Journal of Genetics* 33: 995-1000.
0110. Chague V, Fahima T, Dahan A, Sun GL, Korol AB, Ronin YI, Grama A, Roder MS & Nevo E 1999 Isolation of microsatellite and RAPD markers flanking the *Yr15* gene of wheat using NILs and bulked segregant analysis. *Genome* 42: 1050-1056.
0111. Nieto-Taladriz MT & Rodrigues-Quijano M 2000 Polymorphism of waxy proteins in Spanish durum wheats. *Plant Breeding* 119: 277-279.
0112. Pukhal'skii VA & Bilinskaya EN 1997 Necrotic genotypes of modern spring varieties of common wheat *Triticum aestivum* L. in Russia, Ukraine, Belarus, and Kazakhstan. *Russian Journal of Genetics* 33: 1304-1308.
0113. Pukhalskiy VA, Iordanskaya IV, Badaeva ED, Lapochkina & Bilinskaya EN 1999 Genetic analysis of spike waxlessness in a line of common wheat *Triticum aestivum* L. *Russian Journal of Genetics* 35: 1050-1054.
0114. Sourdille P, Tixier MH, Charmet G, Gay G, Cadalen T, Bernard S & Bernard M 2000 Location of genes involved in ear compactness in wheat (*Triticum aestivum*) by means of molecular markers. *Molecular Breeding* 6: 247-255.
0115. Camargo CE deO, Neto AT, Ferreira Filho AWP & Felicio JC 2000 Genetic control of aluminium tolerance in mutant lines of wheat cultivar Anahuac. *Euphytica* 114: 47-53.
0116. Shariflou MR & Sharp PJ 1999 A polymorphic microsatellite on the 3' end of 'waxy' genes of wheat, *Triticum aestivum*. *Plant Breeding* 118: 275-277.
0117. Shariflou MR, Hassani ME & Sharp PJ 2001 A PCR-based DNA marker for detection of mutant and normal alleles of the *Wx-D1* gene of wheat. *Plant Breeding* 120: 121-124.
0118. Yasui T, Sasaki T & Matsuki J 1998 Waxy bread wheat mutants, K107Wx.1 and K107Wx2, have a new null allele on *Wx-D1* locus. *Breeding Science* 48: 405-407.
0119. William M, Singh RP, Huerta-Espino J, Islas SO & Hoisington D 2003 Molecular marker mapping of leaf rust resistance gene *Lr46* and its association with stripe rust resistance gene *Yr29* in wheat. *Phytopathology* 93: 153-159.
0120. Singh RP 2000 Personal communication.
0121. Williams K 2000 Personal communication.
0122. Thompson J 2000 Personal communication.
0123. Clark JR, Robertson M, Ainsworth CC 1991 Nucleotide sequence of a wheat (*Triticum aestivum* L.) cDNA encoding the waxy protein. *Plant Molecular Biology* 16: 1099-1101.

0124. Sanchez-Monge, Gomez L, Garcia- Olmedo F & Salcedo G. 1989 New dimeric inhibitor of heterologous alpha-amylases encoded by a duplicated gene in the short arm of chromosome 3B of wheat (*Triticum aestivum* L.) European Journal of Biochemistry 183: 37-40.
0125. Singh J, Appels R, Sharp P & Skerritt J 2001 Albumin polymorphism and mapping of a dimeric alpha-amylase inhibitor in wheat. Australian Journal of Agricultural Research 52: 1173-1179.
0126. Helguera M, Khan IA & Dubcovsky J 2000 Development of PCR markers for the wheat leaf rust gene *Lr47*. Theoretical and Applied Genetics 101: 625-631.
0127. Kojima T, Habu Y, Iida S & Ogihara Y 2000 Direct isolation of differentially expressed genes from a specific chromosome region of common wheat: application of the amplified fragment length polymorphism-based in RNA fingerprinting (AMF) method in combination with a deletion line of wheat. Molecular and General Genetics 263: 635-641.
0128. Laroche A, Demeke T, Gaudet DA, Puchalski B, Frick M & McKenzie R 2000 Development of a PCR marker for rapid identification of the *Bt10* gene for common bunt resistance in wheat. Genome 43: 217-223.
0129. Zeller FJ, Kong L, Hartl L, Mohler V & Hsam SLK 2002 Chromosomal location of genes for resistance to powdery mildew in common wheat (*Triticum aestivum* L. em Thell.) 7. Gene *Pm29* in line Pova. Euphytica 123: 187-194.
0130. Watanabe N & Ikakata N 2000 The effects of homoeologous group 3 chromosomes on grain colour dependent seed dormancy and brittle rachis in tetraploid wheat. Euphytica 115: 215-220.
0131. Khan AA, Bergstrom GC, Nelson JC & Sorrells ME 2000 Identification of RFLP markers for resistance to wheat spindle streak mosaic bymovirus (WSSMV) disease. Genome 43: 477-482.
0132. Sourdille P, Snape JW, Cadalen T, Charmet G, Nakata N, Bernard S & Bernard M 2000 Detection of QTL's for heading time and photoperiod response in wheat using a doubled haploid population. Genome 43: 487-494.
0133. Taylor C, Shepherd KW & Langridge P 1998 A molecular genetic map of the long arm of chromosome 6R of rye incorporating the cereal cyst nematode gene, *CreR*. Theoretical and Applied Genetics 97: 1000-1012.
0134. Tixier MH, Sourdille P, Charmet G, Gay C, Cadalen T, Bernard S, Nicholas P & Bernard M 1998 Detection of QTL's for crossability in wheat using a doubled-haploid population. Theoretical and Applied Genetics 97: 1076-1082.
0135. Spielmeyer W, Moullet O, Laroche A & Lagudah ES 2000 Highly recombinogenic regions at seed storage protein loci on chromosome 1DS of *Aegilops tauschii*, the D-genome donor of wheat. Genetics 155: 361-367.
0136. Enns H & Konzak CF 1966 Genetically controlled seedcoat variegation in *Triticum aestivum*. Genetics 53: 1091-1099.
0137. Yamamori M, Fujita S, Hayakawa K & Matsuki J 2000 Genetic elimination of a starch granule protein, SGP-1, of wheat generates an altered starch with apparent high amylose. Theoretical and Applied Genetics 101: 21-29.
0138. Ogonnaya FC, Seah S, Delibes A, Jahier J, Lopez-Brana I, Eastwood RF & Lagudah ES. 2001 Molecular-genetic characterization of a new nematode resistance gene in wheat. Theoretical and Applied Genetics 102: 623-629.
0139. Tao W, Liu D, Liu J, Feng Y & Chen P 2000 Genetic mapping of the powdery mildew resistance gene *Pm6* in wheat by RFLP analysis. Theoretical and Applied Genetics 100: 564-568.
0140. Luo MC, Yang ZL & Dvorak J 2000 The Q locus of Iranian and European spelt wheat.

- Theoretical and Applied Genetics 100: 602-606.
0141. Perretant MR, Cadalen T, Charmet G, Sourdille P, Nicolas P, Boeuf C, Tixier MH, Branlard G, Bernard S & Bernard M 2000 QTL analysis of bread-making quality in wheat using a doubled haploid population. Theoretical and Applied Genetics 100: 1167-1175.
0142. Chantret N, Sourdille P, Roder M, Tavaud M, Bernard M & Doussinault G 2000 Location and mapping of the powdery mildew resistance gene *MIRE* and detection of a resistance QTL by bulked segregant analysis (BSA) with microsatellites in wheat. Theoretical and Applied Genetics 100: 1217-1224.
0144. Marcoz-Ragot C, Gateau I, Koenig J, Delaire V & Branlard G 2000 Allelic variants of granule-bound starch synthase proteins in European bread wheat varieties. Plant Breeding 119: 305-309.
0145. Ahmad M 2000 Molecular marker-assisted selection of HMW glutenin alleles related to wheat bread quality by PCR-generated DNA markers. Theoretical and Applied Genetics 101: 892-896.
0146. Chantret N, Sourdille P, Roder M, Tavaud M, Bernard M & Doussinault G 2000 Location and mapping of the powdery mildew resistance gene *MIRE* and detection of a resistance QTL by bulked segregant analysis (BSA) with microsatellites in wheat. Theoretical and Applied Genetics 100: 1217-1224.
0147. De Bustos A, Rubio P & Jouve N 2000 Molecular characterisation of the inactive allele of the gene *Glu-A1* and the development of a set of AS-PCR markers for HMW glutenins of wheat. Theoretical and Applied Genetics 100: 1085-1094.
0148. Faris JD, Haen KM & Gill BS 2000 Saturation mapping of a gene-rich recombination hot spot region in wheat. Genetics 154: 823-835.
0149. Galili S, Avivi Y, Millet E & Feldman M 2000 RFLP-based analysis of three RbcS subfamilies in diploid and polyploid species of wheat. Molecular and General Genetics 263: 674-680.
0150. Huang XQ, Hsam SLK, Zeller FJ, Wenzel G & Mohler V 2000 Molecular mapping of the wheat powdery mildew resistance gene *Pm24* and marker validation for molecular breeding. Theoretical and Applied Genetics 101: 407-414.
- 0151.
0152. Lotti C, Salvi S, Pasqualone A, Tuberosa R & Blanco A 2000 Integration of AFLP markers into an RFLP-based map of durum wheat. Plant Breeding 119: 393-401.
0153. Prasad M, Varshney RK, Roy JK, Balyan HS & Gupta PK 2000 The use of microsatellites for detecting DNA polymorphism, genotype identification and genetic diversity in wheat. Theoretical and Applied Genetics 100: 584-592.
0154. Dubcovsky J 2001 Personal communication.
0155. Flore G 2001 Personal communication.
0156. Rogers SG 2001 Personal communication.
0157. Bernard M 2001 Personal communication.
0158. Benoist P 2001 Personal communication.
0159. Sharp P 2001 Personal communication.
0160. Keller B 2001 Personal communication.
0161. Devaux P 2001 Personal communication.
0162. Wang RC 2001 Personal communication.
0163. Liu ZY, Sun QX, Ni ZF, Nevo E & Yang TM 2002 Molecular characterization of a novel powdery mildew resistance gene *Pm30* in wheat originating from wild emmer. Euphytica 123: 21-29.



0164. Tao W, Liu D, Liu J, Feng Y & Chen P 2000 Genetic mapping of the powdery mildew resistance gene Pm6 in wheat by RFLP analysis. *Theoretical and Applied Genetics* 100: 564-568.
0165. Varshney RK, Prasad M, Roy JK, Harjit-Singh NK, Dhaliwal HS, Balyan HS & Gupta PK 2000 Identification of eight chromosomes and a microsatellite marker on 1AS associated with QTL for grain weight in bread wheat. *Theoretical and Applied Genetics* 100: 1290-1294.
0166. Weibull P 2001 Personal communication.
0167. Vrinten PL & Nakamura T 2000 Wheat granule-bound starch synthase I and II are encoded by separate genes that are expressed in different tissues. *Plant Physiology* 122: 255-263.
0168. Yan LL, Bhave M, Fairclough R, Konik C, Rahman S & Appels R 2000 The genes encoding granule-bound starch synthases at the waxy loci of the A, B, and D progenitors of common wheat. *Genome* 43: 264-272.
0169. Zanetti S, Winzeler M, Keller M, Keller B & Messmer M 2000 Genetic analysis of pre-harvest sprouting resistance in a wheat x spelt cross. *Crop Science* 40: 1406-1417.
0170. Peng JH, Fahima T, Roder MS, Li YC, Grama A & Nevo E 2000 Microsatellite high-density mapping of the stripe rust resistance gene YrH52 region on chromosome 1B and evaluation of its marker-assisted selection in the F-2 generation in wild emmer wheat. *New Phytologist* 146: 141-154.
0171. Peng J, Korol AB, Fahima T, Roder MS, Ronin YI, Li YC & Nevo E 2000 Molecular genetic maps in wild emmer wheat, *Triticum dicoccoides*: Genome-wide coverage, massive negative interference, and putative quasi-linkage. *Genome Research* 10: 1509-1531.
0172. Venter E & Botha A-M 2000 Development of markers linked to *Diuraphis noxia* resistance in wheat using a novel PCR-RFLP approach. *Theoretical and Applied Genetics* 100: 965-970.
0173. Pestsova E, Ganal MW & Roder MS 2000 Isolation and mapping of microsatellite markers specific for the D genome of bread wheat. *Genome* 43: 698-697.
0174. Ban T & Suenaga K 2000 Genetic analysis of resistance to *Fusarium head blight* caused by *Fusarium graminearum* in Chinese wheat cultivar Sumai 3 and the Japanese cultivar Saikai 165. *Euphytica* 113: 87-99.
0175. Anderson JA, Stack RW, Liu S, Waldron BL, Fjeld AD, Coyne C, Moreno-Sevilla B, Mitchell Fetch J, Song QJ, Cregan PB & Froberg RC 2001 DNA markers for *Fusarium head blight* resistance QTLs in two wheat populations. *Theoretical and Applied Genetics* 102: 1164-1168.
0176. Dubcovsky J, Tranquilli G, Khan IA, Pfluger LA, Suarez E, Rousset M & Dvorak J 2000 Comparisons of recombination frequencies in hybrids involving telocentric and bibrachial wheat chromosomes. *Theoretical and Applied Genetics* 100: 308-314.
0177. Giroux MJ, Talbert L, Habernicht DK, Lanning S, Hemphill A & Martin JM 2000 Association of puroindoline sequence type and grain hardness in hard red spring wheat. *Crop Science* 40: 370-374.
0178. Hammer K, Filatenko AA & Korzun V 2000 Microsatellite markers - a new tool for distinguishing diploid wheat species. *Genetic Resources and Crop Evolution* 47: 497-505.
0179. Khan IA, Procnier JD, Humphreys DG, Tranquilli G, Schlatter AR, Marcucci-Poltri S, Froberg R & Dubcovsky J 2000 Development of PCR-based markers for a high grain protein content gene from *Triticum turgidum* ssp *dicoccoides* transferred to bread wheat. *Crop Science* 40: 518-524.
0180. Parker GD & Langridge P 2000 Development of a STS marker linked to a major locus controlling flour colour in wheat (*Triticum aestivum* L.). *Molecular Breeding* 6: 169-174.

0181. Chalmers KJ, Rathjen AJ & Langridge P 1999 Mapping loci associated with milling yield in wheat (*Triticum aestivum* L.). *Molecular Breeding* 5: 561-568.
0182. Zhang ZY, Xin ZY, Ma YZ, Chen X, Xu QF & Lin ZS 1999 Mapping of a BYV resistance gene from *Thinopyrum intermedium* in wheat background by molecular markers. *Science In China Series C-Life Sciences* 42: 663. Chinese Academy of Sciences.
0183. Seah S, Spielmeier W, Jahier J, Sivasithamparam K & Lagudah ES 2000 Resistance gene analogs within an introgressed chromosomal segment derived from *Triticum ventricosum* that confers resistance to nematode and rust pathogens in wheat. *Molecular Plant-Microbe Interactions* 13: 334-341.
0184. Lotti C, Salvi S, Pasquallone A, Tuberosa R & Blanco A Integration of AFLP markers into an RFLP-based map of durum wheat. *Plant Breeding* 119: 393-401.
0185. Blanco A, Bellomo MP, Cenci A, de Giovanni R, D'Ovidio R, Iocono E, Laddomada B, Pagnotta MA, Porceddu E, Sciencalepore A, Simeone R & Tanzarella OA 1998 A genetic linkage map of durum wheat. *Theoretical and Applied Genetics* 97: 721-728.
0186. Arraiano LS, Worland, Ellerbrook C & Brown JKM 2001 Chromosomal location of a gene for resistance to septoria tritici blotch (*Mycosphaerella graminicola*) in a hexaploid wheat 'Synthetic 6X'. *Theoretical and Applied Genetics* 103: 758-764.
0187. Brading PA, Verstaffen ECP, Kema GHJ & Brown JKM 2002 A gene-for-gene relationship between wheat and *Mycosphaerella graminicola*, the septoria tritici blotch pathogen. *Phytopathology* 92: 439-445.
0188. McIntosh RA, Devos KM, Dubcovsky J & Rogers J 2001 Catalogue of gene symbols for wheat: 2001 Supplement *Annual Wheat Newsletter* 47: 333-354.
0189. Endo TR 1996 Allocation of a gametocidal chromosome of *Aegilops cylindrica* to wheat homoeologous group 2. *Genes and Genetic Systems* 71: 243-246.
0190. Endo TR 1990 Gametocidal chromosomes and their induction of chromosome mutations in wheat. *Japanese Journal of Genetics* 65: 135-162.
0191. Endo TR & Gill BS 1996 The deletion stocks of common wheat. *Journal of Heredity* 87: 295-307.
0192. Endo TR, Yamamoto M & Mukai Y 1994 Structural changes of rye chromosome 1R induced by a gametocidal chromosome. *Japanese Journal of Genetics* 69: 13-19.
0193. Shi F & Endo TR 1997 Production of wheat and barley disomic addition lines possessing an *Aegilops cylindrica* gametocidal chromosome. *Genes and Genetic Systems* 72: 243-248.
0194. Shi F & Endo TR 1999 Genetic induction of structural changes in barley chromosomes added to common wheat by a gametocidal chromosome derived from *Aegilops cylindrica*. *Genes and Genetic Systems* 74: 49-54.
0195. Shi F & Endo TR 2000 Genetic induction of chromosomal rearrangements in barley chromosome 7H added to common wheat. *Chromosoma* 109: 358-363.
0196. Ahmed TA, Tsujimoto H & Sasakuma T 2000 QTLs associated with plant height and related characters in hexaploid wheat. *Breeding Science* 50: 267-273.
0197. Liu ZY, Sun QX, Ni ZF, Nevo E & Yang TM 2002 Molecular characterization of a novel powdery mildew resistance gene *Pm30* in wheat originating from wild emmer. *Euphytica* 123: 21-29.
0198. Payne PI, Nightingale MA, Krattiger AF & Holt LM 1987 The relationship between HMW glutenin subunit composition and the bread-making quality of British-grown wheat varieties. *Journal of the Science of Food and Agriculture* 40: 51-65.
0199. Payne PI, Seekings JA, Worland AJ, Jarvis MG & Holt LM 1987 Allelic variation of gluten subunits and gliadins and its effect on bread making quality in wheat: Analysis of F<sub>5</sub> progeny from Chinese Spring x Chinese Spring (Hope 1A). *Journal of Cereal Science* 6: 103-118.

01100. Obukhova LV, Maystrenko OI, Generalova GV, Ermakova MF & Popova RK 1997 Composition of high-molecular-weight glutenin subunits in common wheat substitution lines created from cultivars with contrasting bread-making qualities. *Russian Journal of Genetics* 33: 1005-1009.
01101. Benmoussa M, Vezina LP, Page M, Yelle S & Laberge S 2000 Genetic polymorphism in low-molecular-weight glutenin genes from *Triticum aestivum*, variety Chinese Spring. *Theoretical and Applied Genetics* 100: 789-793.
01102. Wei YM, Zheng YL, Liu DC, Zhou YH & Lan XJ 2000 Genetic diversity of *Gli-1*, *Gli-2* and *Glu-1* alleles in Sichuan wheat landraces. *Acta Botanica Sinica* 42: 496-501.
01103. von Buren M, Luthy J & Hubner P 2000 A spelt-specific gamma-gliadin gene: discovery and detection. *Theoretical and Applied Genetics* 100: 271-279.
01104. Scheets K, Rafalski JA, Hedgcoth C & Soll DG 1985 Heptapeptide repeat structure of a wheat gamma-gliadin. *Plant Science Letters* 37: 221-225.
01105. DuPont FM, Vensel WH, Chan R & Kasarda DD 2000 Characterization of the 1B-type omega-gliadins from *Triticum aestivum* cultivar Butte. *Cereal Chemistry* 77: 607-614.
0201. Ayala L, van Ginkel M, Khairallah M, Keller B & Henry M 2001 Expression of *Thinopyrum intermedium*- derived barley yellow dwarf virus resistance in elite bread wheat backgrounds. *Phytopathology* 91: 55-62.
0202. Kosner J & Pankova K 1999 Impact of homoeologous group 5 chromosomes with different *vrn* loci on leaf size and tillering. *Czech Journal of Genetics and Plant Breeding* 35: 65-72.
0203. Morris CF, King GE, Allan RE & Simeone MC 2001 Identification and characterization of near-isogenic hard and soft hexaploid wheats. *Crop Science* 41: 211-217.
0204. Morris CF, Lillemo M, Simeone MC, Giroux MJ, Babb SL & Kidwell KK 2001 Prevalence of puroindoline grain hardness genotypes among historically significant North American spring and winter wheats. *Crop Science* 41: 218-228.
0205. Lillemo M & Morris CF 2000 A leucine to proline mutation in puroindoline b is frequently present in hard wheats from Northern Europe. *Theoretical and Applied Genetics* 100: 1100-1107.
0206. Martin JM, Frohberg RC, Morris CF, Talbert LE & Giroux MJ 2001 Milling and bread baking traits associated with puroindoline sequence type in hard red spring wheat. *Crop Science* 41: 228-234.
0207. Krishnamurthy K & Giroux MJ 2001 Expression of wheat puroindoline genes in transgenic rice enhances grain softness. *Nature Biotechnology* 19: 162-166.
0208. Knox RE & Howes NK 1994 A monoclonal antibody chromosome marker analysis used to locate a loose smut resistance gene in wheat chromosome 6A. *Theoretical and Applied Genetics* 89: 787-793.
0209. Quick JS, Ellis GE, Normann RM, Stramberger JA, Shanahan JF, Peairs FB, Rudolph JB & Lorenz K 1996 Registration of 'Halt' wheat. *Crop Science* 36: 210.
0210. Toit F du 1989 Inheritance of resistance in two *Triticum aestivum* lines to Russian wheat aphid (Homoptera: Aphidae). *Journal of Economic Entomology* 82: 1251-1253.
0211. Liu XM, Smith CM, Gill BS & Tolmay V 2001 Microsatellite markers linked to six Russian wheat aphid resistance genes in wheat. *Theoretical and Applied Genetics* 102: 504-510.
0212. Cao W, Hughes GR, Ma H & Dong Z 2001 Identification of molecular markers for resistance to *Septoria nodorum* blotch in durum wheat. *Theoretical and Applied Genetics* 102: 551-554.
0213. Seah S, Bariana H, Jahier J, Sivasithamparum K & Lagudah ES 2001 The introgressed segment carrying rust resistance genes *Yr17*, *Lr37* and *Sr38* in wheat can be assayed by a cloned disease resistance gene-like sequence. *Theoretical and Applied Genetics* 102: 600-

- 605.
0214. Gill KS & Gill BS 1996 A PCR-based screening assay of *Ph1*, the chromosome pairing regulator gene of wheat. *Crop Science* 36: 719-722.
0215. Dudnikov AJ, Gorel FL & Berdnikov VA 2002 Chromosomal location of histone H1 genes in common wheat. *Cereal Research Communications* 30: 55-61.
0216. Nasuda S, Liu Y, Sakamoto A, Nakayama T, Iwabuchi M & Tsunewaki K 1993 Chromosomal locations of the genes for histones and a histone-binding protein family HBP-1 in common wheat. *Plant Molecular Biology* 22: 603-614.
0217. Segal G, Liu B, Vega JM, Abbo S, Rodova M & Feldman M 1997 Identification of a chromosome-specific probe that maps within the *Ph1* deletions in common and durum wheat. *Theoretical and Applied Genetics* 94: 968-970.
0218. McKenzie RIH, Lamb RJ, Aung T, Wise IL, Barker P & Olfert OO. 2002 Inheritance of resistance to wheat midge, *Sitodiplosis mosellana*, in spring wheat. *Plant Breeding* 121: 383-388.
0219. Roberts MA, Reader SM, Dalgliesh C, Miller TE, Foote TN, Fish LJ, Snape JW & Moore G 1999 Induction and characterization of *ph1* wheat mutants. *Genetics* 153: 1909-1918.
0220. Williams KJ, Lewis JG, Bogacki P, Pallotta MA, Willsmore KL, Kuchel H & Wallwork H. 2003 Mapping of a QTL contributing to cereal cyst nematode tolerance and resistance in wheat. *Australian Journal of Agricultural Research* 54: 731-737.
0221. Brown-Guerdira GL, Singh S & Fritz AK. 2003 Performance and mapping of leaf rust resistance to wheat from *Triticum timopheevii* subsp. *ameliacum*. *Phytopathology* 93: 784-789.
0222. Malik R, Brown-Guerdira GL, Smith CM, Harvey TL & Gill BS. 2003 Genetic mapping of wheat curl mite resistance genes *Cmc3* and *Cmc4* in common wheat. *Crop Science* 43: 644-650.
0224. Huguët-Robert V, Dedryver F, Roder MS, Korzun V, Abelard P, Tanguy AM, Jaudeau B & Jahier J 2001 Isolation of a chromosomally engineered durum wheat line carrying the *Aegilops ventricosa Pch1* gene for resistance to eyespot. *Genome* 44: 345-349.
0225. Ayala L, Henry M, Gonzalez-de-Leon D, Van Ginkel M, Mujeeb-Kazi A, Keller B & Khairallah M 2001 A diagnostic molecular marker allowing the study of *Th. intermedium*-derived resistance to BYDV in bread wheat segregating populations. *Theoretical and Applied Genetics* 102: 942-949.
0226. Kato K, Nakamura W, Tabiki T & Miura H 2001 Detection of loci controlling seed dormancy on group 4 chromosomes of wheat and comparative mapping with rice and barley genomes. *Theoretical and Applied Genetics* 291: 980-985.
0227. Aghaee-Sarbarzeh M, Harjit-Singh & Dhaliwal HS 2001 A microsatellite marker linked to leaf rust resistance transferred from *Aegilops triuncalis* into hexaploid wheat. *Plant Breeding* 120: 259-261.
0228. Kolmer JA 2001 Physiologic specialization of *Puccinia triticina* in Canada in 1998. *Plant Disease* 85: 155-158.
0229. Park RF, Goyeau H, Felsenstein FG, Bartos P & Zeller FJ 2001 Regional phenotypic diversity of *Puccinia triticina* and wheat host resistance in western Europe, 1995. *Euphytica* 122: 113-127.
0230. Yang TZ, Zhang XK, Liu HW & Wang ZH 1998 Chromosomal arm location of a dominant dwarfing gene *Rht21* in XN004 of common wheat. *Proceedings of the 8<sup>th</sup> International Wheat Genetics Symposium, Beijing, 1993* (Li ZS & Xin Zy eds) 839-842.
0231. Borner A & Worland AJ 2002 Does the Chinese dwarf wheat variety 'XN004' carry *Rht21*? *Cereal Research Communications* 30: 25-29.

0232. Marais GF, Marais AS & Groenewald JZ 2000 Evaluation and reduction of *Lr19*-149, a recombinant form of the *Lr19* translocation of wheat. *Euphytica* 121: 289-295.
0233. Seo YW, Jang CS & Johnson JW 2001 Development of AFLP and STS markers for identifying wheat-rye translocations possessing 2RL. *Euphytica* 121: 279-287.
0234. Yanagasawa T, Kiribuchi-Otobe C & Yoshida H 2001 An alanine to threonine change in the *Wx-D1* protein reduces GBSS I activity in a waxy wheat mutant. *Euphytica* 121: 209-214.
0235. Csocz M, Bartos P & Mesterhazy A 2001 Identification of stem rust resistance gene *Sr36* in the wheat cultivar GK Kincso and its derivatives. *Cereal Research Communications* 29: 267-273.
0236. Ammiraju JSS, Dholakia BB, Santra DK, Singh H, Lagu MD, Tamhankar SA, Dhaliwal HS, Rao VS, Gupta VS & Ranjekar PK 2001 Identification of inter simple sequence repeat (ISSR) markers associated with seed size in wheat. *Theoretical and Applied Genetics* 102: 726-732.
0237. Ammiraju JSS, Dholakia BB, Jawdekar G, Santra DK, Gupta VS, Roder MS, Singh H, Lagu MD, Dhaliwal HS, Rao VS & Ranjekar PK 2002 Inheritance and identification of DNA markers associated with yellow berry tolerance in wheat (*Triticum aestivum* L.). *Euphytica* 123: 229-233.
0238. Harker N, Rampling LR, Shariflou MR, Hayden MJ, Holton TA, Morell MK, Sharp PJ, Henry RJ & Edwards KJ 2001 Microsatellites as markers for Australian wheat improvement. *Australian Journal of Agricultural Research* 52: 1121-1130.
0239. Cregan P 2002 Personal communication.
0240. Buerstmayr H, Lemmens M, Hartl L, Doldi L, Steiner B, Stierschneider M & Ruckenbauer P 2002 Molecular mapping of QTLs for Fusarium head blight resistance in spring wheat. I. Resistance to fungal spread (Type II resistance). *Theoretical and Applied Genetics* 104: 84-91.
0241. Campbell KG, Finney PL, Bergman CJ, Gualberto DG, Anderson JA, Giroux MJ, Siritunga D, Zhu JQ, Gendre F, Roue C, Verel A & Sorrells ME 2001 Quantitative trait loci associated with milling and baking quality in a soft x hard wheat cross. *Crop Science* 41: 1275-1285.
0242. Chalmers KJ, Campbell AW, Kretschmer J, Karakousis A, Henschke PH, Pierens S, Harker N, Pallotta M, Cornish GB, Shariflou MR, Rampling LR, McLauchlan A, Daggard G, Sharp PJ, Holton TA, Sutherland MW, Appels R & Langridge P 2001 Construction of three linkage maps in bread wheat, *Triticum aestivum*. *Australian Journal of Agricultural Research* 52: 1089-1119.
0243. Chebotar SV, Korzun VN & Sivolap YM 2001 Allele distribution at locus WMS261 marking the dwarfing gene *Rht8* in common wheat cultivars of southern Ukraine. *Russian Journal of Genetics* 37: 894-898.
0244. Chee PW, Elias EM, Anderson JA & Kianian SF 2001 Evaluation of a high grain protein QTL from *Triticum turgidum* L. var. *dicoccoides* in an adapted durum wheat background. *Crop Science* 41: 295-301.
0245. Cloutier S, Rampitsch C, Penner GA & Lukow OM 2001 Cloning and expression of a LMW-i glutenin gene. *Journal of Cereal Science* 33: 143-154.
0246. Galiba G, Kerepesi I, Vagujfalvi A, Kocsy G, Cattivelli L, Dubcovsky J, Snape JW & Sutka J 2001 Mapping of genes involved in glutathione, carbohydrate and COR14b cold induced protein accumulation during cold hardening in wheat. *Euphytica* 119: 173-177.
0247. Gill KS & Sandhu D 2001 Candidate-gene cloning and targeted marker enrichment of wheat chromosomal regions using RNA fingerprinting - differential display. *Genome* 44: 633-639.
0248. Rodriguez Milla MA & Gustafson JP 2001 Genetic and physical characterization of

- chromosome 4DL in wheat. *Genome* 44: 883-892.
0249. Corona V, Gazza L, Boggini G & Pogna NE 2001 Variation in friabilin composition as determined by A-PAGE fractionation and PCR amplification, and its relationship to grain hardness in bread wheat. *Journal of Cereal Science* 34: 243-250.
0250. Khlestkina EK, Pestsova EG, Roder MS & Borner A 2002 Molecular mapping, phenotypic expression and geographical distribution of genes determining anthocyanin pigmentation of coleoptiles in wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 104: 632-737.
0251. Rousset M, Brabant P, Kota RS, Dubcovsky J & Dvorak J 2001 Use of recombinant substitution lines for gene mapping and QTL analysis of bread making quality in wheat. *Euphytica* 119: 81-87.
0252. Sandhu D, Champoux JA, Bondareva SN & Gill KS 2001 Identification and physical localization of useful genes and markers to a major gene-rich region on wheat group 1S chromosomes. *Genetics* 157: 1735-1747.
0253. Torp AM, Hansen AL & Andersen SB 2001 Chromosomal regions associated with green plant regeneration in wheat (*Triticum aestivum* L.) anther culture. *Euphytica* 119: 377-387.
0254. Wang H-J, Huang XQ, Roder MS & Borner A 2002 Genetic mapping of loci determining long glumes in the genus *Triticum*. *Euphytica* 123: 287-293.
0255. Borner A, Schumann E, Furste A, Coster H, Leithold B, Roder MS & Weber WE 2001 Mapping of quantitative trait loci determining agronomic important characters in hexaploid wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 105: 921-936.
0256. Martin-Sanchez JA, Gomez-Colmenarejo M, Del Morel J, Sin E, Montes MJ, Gonzalez-Belinchon C, Lopez-Brana I & Delibes A. 2003 A new Hessian fly resistance gene (H30) transferred from wild grass *Aegilops triuncialis* to hexaploid wheat. *Theoretical and Applied Genetics* 106: 1248-1255.
0257. Hsam SLK, Huang XQ & Zeller 2001 Chromosomal location of genes for resistance to powdery mildew in common wheat (*Triticum aestivum* L. em. Thell.) 6. Alleles at the *Pm5* locus. *Theoretical and Applied Genetics* 102: 127-133.
0258. Huang XQ, Wang LX, Xu MX & Roder MS. 2003 Microsatellite mapping of the wheat powdery mildew resistance gene *Pm5e* in common wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 106: 858-865.
0259. Huang XQ, Hsam SLK & Zeller FJ 2000 Chromosomal location of two novel genes for resistance to powdery mildew in Chinese landraces (*Triticum aestivum* L. em. Thell.). *Journal of Genetics and Breeding* 54: 311-317.
0260. Singh D, Park RF & McIntosh RA 2001 Postulation of leaf (brown) rust resistance genes in 70 wheat cultivars grown in the United Kingdom. *Euphytica* 120: 205-215.
0261. Frick MM, Hucl R, Nykiforuk CL, Conner RL, Kuzyk A & Laroche A 1998 Molecular characterisation of a wheat stripe rust resistance gene in Moro wheat. In: *Proceedings 9<sup>th</sup> International Wheat Genetics Symposium, Saskatoon, Canada* (Slinkard AE ed.) 3: 181-182.
0262. Bariana HS, Brown GN, Ahmed NU, Khatkar S, Conner RL, Wellings CR, Haley S, Sharp PJ & Laroche A 2002 Characterisation of *Triticum vavilovii*-derived stripe rust resistance using genetic, cytogenetic and molecular analyses and its marker-assisted selection. *Theoretical and Applied Genetics* 104: 315-320.
0263. Ciaffi M, Paolacci AR, Dominici L, Tanzarella OA & Porceddu E 2001 Molecular characterization of gene sequences coding for protein disulphide isomerase (PDI) in durum wheat (*Triticum turgidum* ssp *durum*). *Gene* 265: 147-156.
0264. Effertz RJ, Anderson JA & Francl LJ 2001 Restriction fragment length polymorphism mapping of resistance to two races of *Pyrenophora tritici repentis* in adult and seedling wheat. *Phytopathology* 91: 572-578.

0265. Faris J, Sirikhachornkit A, Haselkorn R, Gill BS & Gornicki 2001 Chromosome mapping and phylogenetic analysis of the cytosolic acetyl-CoA carboxylase loci in wheat. *Molecular Biology & Evolution* 18: 1720-1733.
0266. Li WL, Faris JD, Muthukrishnan S, Liu DJ, Chen PD & Gill BS 2001 Isolation and characterization of novel cDNA clones of acidic chitinases and beta-1,3-glucanases from wheat spikes infected by *Fusarium graminearum*. *Theoretical and Applied Genetics* 102: 353-362.
0267. Baenziger PS, Shelton DR, Shipman MJ & Graybosch RA 2001 Breeding for end-use quality: Reflections on the Nebraska experience. *Euphytica* 119: 95-100.
0268. Kolmer JA & Liu JQ 2001 Simple inheritance of partial resistance to leaf rust in two wheat cultivars. *Plant Pathology* 50: 546-551.
0269. Nachit MM, Elouafi I, Pagnotta MA, El Saleh A, Iacono E, Labhilili M, Asbati A, Azrak M, Hazzam H, Benscher D, Khairallah M, Ribaut JM, Tanzarella OA, Porceddu E & Sorrells ME 2001 Molecular linkage map for an intraspecific recombinant inbred population of durum wheat (*Triticum turgidum* L. var. *durum*). *Theoretical and Applied Genetics* 102: 177-186.
0270. Peng JH, Fahima T, Roder MS, Huang QY, Dahan A, Li YC, Grama A & Nevo E 2000 High-density molecular map of chromosome region harboring stripe-rust resistance genes *YrH52* and *Yr15* derived from wild emmer wheat, *Triticum dicoccoides*. *Genetica* 109: 199-210.
0271. Sasanuma T 2001 Characterization of the *rbcS* multigene family in wheat: subfamily classification, determination of chromosomal location and evolutionary analysis. *Molecular Genetics & Genomics* 265: 161-171.
0272. Chantret N, Mingeot D, Sourdille P, Bernard M, Jacquemin JM & Doussinault G 2001 A major QTL for powdery mildew resistance is stable over time and at two development stages in winter wheat. *Theoretical and Applied Genetics* 103: 962-971.
0273. Prins R, Groenewald JZ, Marais GF, Snape JW & Koebner RMD 2001 AFLP and STS tagging of *Lr19*, a gene conferring resistance to leaf rust in wheat. *Theoretical and Applied Genetics* 103: 618-624.
0274. Sutka J 2001 Genes for frost resistance in wheat. *Euphytica* 119: 167-172.
0275. Tsujimoto H, Yamada T, Hasegawa K, Usami N, Kojima T, Endo TR, Ogihara Y & Sasakuma T 2001 Large-scale selection of lines with deletions in chromosome 1B in wheat and applications for fine deletion mapping. *Genome* 44: 501-508.
0276. Varshney RK, Prasad M, Roy JK, Roder MS, Balyan HS, Gupta PK 2001 Integrated physical maps of 2DL, 6BS and 7DL carrying loci for grain protein content and pre-harvest sprouting tolerance in bread wheat. *Cereal Research Communications* 29: 33-40.
0277. Vasu K, Harjit-Singh, Singh S, Chhuneja P & Dhaliwal HS 2001 Microsatellite marker linked to a leaf rust resistance gene from *Triticum monococcum* L. transferred to bread wheat. *Journal of Plant Biochemistry & Biotechnology* 10: 127-132.
0278. Yan L & Bhave M 2000 Sequences of the waxy loci of wheat: Utility in analysis of waxy proteins and developing molecular markers. *Biochemical Genetics* 38: 391-411.
0279. Yan LL & Bhave M 2001 Characterization of waxy proteins and waxy genes of *Triticum timopheevii* and *T. zhukovskyi* and implications for evolution of wheat. *Genome* 44: 582-588.
0280. Zanetti S, Winzeler M, Feuillet C, Keller B & Messmer M 2001 Genetic analysis of bread-making quality in wheat and spelt. *Plant Breeding* 120: 13-19.
0281. Snape JW 2002 Personal communication.
0282. Iwaki K, Nakagawa K & Kato K 2001 The possible candidate for *Vrn-B1* in wheat, as revealed by monosomic analysis of *Vrn* genes carried by Triple Dirk (B), the former *Vrn2*.

- Wheat Information Service 92: 9-11.
0283. Kolb FL, Bai GH, Muehlbauer GJ, Anderson JA, Smith KP & Fedak G 2001 Host plant resistance genes for Fusarium head blight: mapping and manipulation with molecular markers. *Crop Science* 41: 611-619.
0284. Liu SX, Griffey CA & Saghai-Marooof MA 2001 Identification of molecular markers associated with adult plant resistance to powdery mildew in common wheat cultivar Massey. *Crop Science* 41: 1268-1275.
0285. Ma JX, Zhou RG, Dong YS, Wang LF, Wang XM & Jia JZ 2001 Molecular mapping and detection of the yellow rust resistance gene *Yr26* in wheat transferred from *Triticum turgidum* L. using microsatellite markers. *Euphytica* 120: 219-226.
0286. Mohle V, Hsam SLK, Zeller FJ & Wenzel G 2001 An STS marker distinguishing the rye-derived powdery mildew resistance alleles at the *Pm8/Pm17* locus of common wheat. *Plant Breeding* 120: 448-450.
0287. Boukhatem N, Baret PV, Mingeot D & Jacquemin JM 2002 Quantitative trait loci for resistance against yellow rust in two wheat-derived inbred wheat line populations. *Theoretical and Applied Genetics* 104: 111-115.
0288. Singh D, Park RF & McIntosh RA 2001 Inheritance of seedling and adult plant resistance of selected Australian spring and English winter wheat varieties. *Plant Breeding* 120: 503-507.
0289. Qi LL & Gill BS 2001 High-density physical maps reveal the dominant gene *Ms3* is located in a genomic region of low recombination in wheat and is not amenable to map-based cloning. *Theoretical and Applied Genetics* 103: 998-1006.
0290. Klindworth DL, Williams ND & Maan SS 2002 Chromosomal location of genetic male sterility genes in four mutants of hexaploid wheat (*Triticum aestivum*). *Crop Science* 42: 1447-1450.
0291. Snape JW, Semikhodskii A, Fish L, Sarma RN, Quarrie SA, Galiba G & Sutka J 1997 Mapping frost tolerance loci in wheat and comparative mapping with other cereals. *Acta Agronomica Hungarica* 45: 268-270.
0292. Sutka J, Galiba G, Vagujfalvi A, Gill BS & Snape JW 1999 Physical mapping of the *Vrn-A1* and *Fr1* genes on chromosome 5A of wheat using deletion lines. *Theoretical and Applied Genetics* 99: 199-202.
0293. Maan SS & Kianian SF 2001 Third dominant male sterility gene in common wheat. *Wheat Information Service* 93: 27-31.
0294. Feuillet C, Penger A, Gellner K, Mast A & Keller B 2001 Molecular evolution of receptor-like kinase genes in hexaploid wheat. Independent evolution of orthologs after polyploidization and mechanisms of local rearrangements at paralogous loci. *Plant Physiology* 125: 1304-1313.
0295. Morris CF 2002 Puroindolines: the molecular genetic basis of wheat grain hardness. *Plant Molecular Biology* 48: 633-647.
0296. Feuillet C & Keller B 1999 High gene density is conserved at syntenic loci of small and large grass genomes. *Proceedings of the National Academy of Sciences U.S.A.* 96: 8265-8270.
0297. Feuillet C, Reuzeau C, Kjellbom P & Keller B 1998 Molecular characterization of a new type of receptor-like kinase (wlrk) gene family in wheat. *Plant Molecular Biology* 37: 943-953.
0298. Morris CF & Allan RE 2001 Registration of hard and soft near-isogenic lines of hexaploid wheat genetic stocks. *Crop Science* 41: 935-936.
0299. Huang L & Gill BS 2001 An RGA-like marker detects all known *Lr21* leaf rust resistance gene family members in *Aegilops tauschii* and wheat. *Theoretical and Applied Genetics* 103:



- 1007-1013.
02100. Raupp WJ, Sukhwinder-Singh, Brown-Guerdira GL & Gill BS 2001 Cytogenetic and molecular mapping of the leaf rust resistance gene *Lr39* in wheat. *Theoretical and Applied Genetics* 102: 347-352.
02101. Watkins JE, Schimelfenikg J & Baenziger PS 2001 Virulence of *Puccinia triticina* on wheat in Nebraska during 1997 and 1998. *Plant Disease* 85: 159-164.
02102. Singh RP, Huerta-Espino J, Rajaram S & Crossa J 2001 Grain yield and other traits of tall and dwarf isolines of modern bread and durum wheats. *Euphytica* 119: 241-244.
02103. Worland AJ, Sayers EJ & Korzun V 2001 Allelic variation at the dwarfing gene *Rht8* locus and its significance in international breeding programs. *Euphytica* 119: 155-159.
02104. Szunics L, Szunics Lu, Vida G, Bedo Z & Svec M 2001 Dynamics of changes in the races and virulences of wheat powdery mildew in Hungary between 1971 and 1999. *Euphytica* 119: 143-147.
02105. Robert O, Dedryver F, Leconte M, Rolland B & de Vallavieille-Pope C 2000 Combination of resistance tests and molecular tests to postulate the yellow rust resistance gene *Yr17* in bread wheat lines. *Plant Breeding* 119: 467-472.
02106. Juhasz A, Tamas L, Karsai I, Vida G, Lang L & Bedo Z 2001 Identification, cloning and characterisation of a HMW-glutenin gene from an old Hungarian wheat variety, Bankuti 1201. *Euphytica* 119: 75-79.
02107. Buonocore F, Hickman DR, Caporale C, Porceddu E, Lafiandra D, Tatham AS & Shewry PR 1996 Characterisation of a novel high  $M_r$  glutenin subunit encoded by chromosome 1D of bread wheat. *Journal of Cereal Science* 23: 55-60.
02108. Mackie AM, Lagudah ES, Sharp PJ & Lafiandra D 1996 Molecular and biochemical characterisation of HMW glutenin subunits from *Triticum tauschii* and the D genome of hexaploid wheat. *Journal of Cereal Science* 2: 213-225.
02109. Gianibelli MC, Lagudah ES, Wrigley CW & MacRitchie F 2002 Biochemical and genetic characterization of a monomeric storage protein (T1) with an unusually high molecular weight in *Triticum tauschii*. *Theoretical and Applied Genetics* 104: 497-504.
02110. Brites C & Carrillo JM 2000 Inheritance of gliadin and glutenin proteins in four durum wheat crosses. *Cereal Research Communications* 28: 239-246.
02111. Sreeramulu G & Singh NK 1997 Genetic and biochemical characterization of novel low molecular weight glutenin subunits in wheat (*Triticum aestivum* L.). *Genome* 40: 41-48.
02112. Gianibelli MC, Wrigley CW & MacRitchie F 2002 Polymorphism of low  $M_r$  glutenin subunits in *Triticum tauschii*. *Journal of Cereal Science* 35: 277-286.
02113. Anderson OD, Hsia CC, Adalsteins AE, Lew EJ-L & Kasarda DD 2001 Identification of several new classes of low-molecular-weight wheat gliadin-related proteins and genes. *Theoretical and Applied Genetics* 103: 307-315.
02114. Singh NK, Donovan GR & MacRitchie F 1990 Use of sonication and size-exclusion high performance liquid chromatography in the study of wheat flour proteins II. Relative quantity of glutenin as a measure of bread-making quality. *Cereal Chemistry* 67: 161-170.
02115. Singh NK, Shepherd KW & Cornish GB 1991 A simplified SDS-PAGE procedure for separating LMW subunits of glutenin. *Journal of Cereal Science* 14: 203-208.
02116. Sreeramulu G, Vishnuvardhan D & Singh NK 1994 Seed storage protein profiles of seven Indian wheat varieties (*Triticum aestivum* L.). *Journal of Plant Biochemistry and Biotechnology* 3: 47-51.
0223. Thomas J, Riedel E & Penner G 2002 An efficient method for assigning traits to chromosomes. *Euphytica* 119: 217-221.
0301. Xie CJ, Sun Q, Ni Z, Yang T, Nevo E & Fahima T 2003 Chromosomal location of a

- Triticum dicoccoides*-derived powdery mildew resistance gene in common wheat by using microsatellite markers. *Theoretical and Applied Genetics* 106: 341-345.
0302. Tabayashi N, Tosa Y, Oh HS & Mayama S 2002 A gene-for-gene relationship underlying the species-specific parasitism of *Avena/triticum* isolates of *Magnaporthe grisea* on wheat cultivars. *Phytopathology* 92: 1182-1188.
0303. Morris CF & Allen RE 2001 Registration of hard and soft near-isogenic lines of hexaploid wheat genetic stocks. *Crop Science* 41: 935-936.
0304. Morris CF & Konzak CF 2001 Registration of hard and soft homozygous waxy wheat germplasm. *Crop Science* 41: 934-935.
0305. Iwaki K, Nishida J, Yanagisawa T & Yoshida H 2002 Genetic analysis of Vrn-B1 for vernalization requirement by using linked dCAPS markers in bread wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 104: 571-576.
0306. Dvorak J 1977 Transfer of leaf rust resistance from *Aegilops speltoides* to *Triticum aestivum*. *Canadian Journal of Genetics and Cytology* 19: 133-141.
0307. Dvorak L & Knott DR 1980 Chromosome location of two leaf rust resistance genes transferred from *Triticum speltoides* to *T. aestivum*. *Canadian Journal of Genetics and Cytology* 22: 381-389.
0308. Helguera M, Vanzetti L, Soria M, Khan IA, Kolmer J & Dubcovsky J 2005 PCR markers for *Triticum speltoides* leaf rust resistance gene *Lr51* and their use to develop isogenic hard red spring wheat lines. *Crop Science* 45: 728-734.
0309. Sourdille P, Cadalen T, Gay G, Gill BS & Bernard M 2002 Molecular and physical mapping of genes affecting awning in wheat. *Plant Breeding* 121: 320-324.
0310. McCartney CA, Brule-Babel AL & Lamari L 2002 Inheritance of race-specific resistance to *Mycosphaerella graminicola* in wheat. *Phytopathology* 92: 138-144.
0311. McCartney CA, Brule-Babel AL, Lamari L & Somers DL. 2003 Chromosomal location of a race-specific resistance gene to *Mycosphaerella graminicola* in spring wheat ST6. *Theoretical and Applied Genetics* 107: 1181-1186.
0312. Shindo C, Sasakuma T, Watanabe N & Noda K 2002 Two-gene systems of vernalization requirement and narrow-sense earliness in einkorn wheat. *Genome* 45: 563-569.
0313. Bouget Y, Lemoine J, Pavoine MT, Barloy D & Doussinault G 2002 Identification of a microsatellite marker associated with *Pm3* resistance alleles to powdery mildew in wheat. *Plant Breeding* 121: 325-329.
0314. Boshoff WHP, Pretorius ZA & Van Niekerk BD 2002 Establishment, distribution, and pathogenicity of *Puccinia striiformis* f. sp. *tritici* in South Africa. *Plant Disease* 86: 485-492.
0315. Effertz RJ, Meinhardt SW, Anderson JA, Jordahl JD & Francl LJ 2002 Identification of a chlorosis-inducing toxin from *Pyrenophora tritici-repentis* and the chromosomal location of an insensitivity locus in wheat. *Phytopathology* 92: 527-533.
0316. Taketa S, Chang CL, Ishii M & Takeda K 2002 Chromosome arm location of the gene controlling leaf pubescence of a Chinese local wheat cultivar 'Hong-mang-mai'. *Euphytica* 125: 141-147.
0317. Lillemo M & Ringlund K 2002 Impact of puroindoline alleles on the genetic variation for hardness in soft x hard wheat crosses. *Plant Breeding* 121: 210-217.
0318. Dundas IS, Frappell DE, Crack DM & Fisher JM 2001 Deletion mapping of a nematode resistance gene on rye chromosome 6R in wheat. *Crop Science* 41: 1771-1778.
0319. Weng Y & Lazar MD 2002 Amplified fragment length polymorphism - and simple sequence repeat-based molecular tagging and mapping of greenbug resistance gene *Gb3* in wheat. *Plant Breeding* 121: 218-223.
0320. Khabaz-Saberi H, Graham RD, Pallotta MA, Rathjen AJ & Williams KJ 2002 Genetic

- markers for manganese efficiency in durum wheat. *Plant Breeding* 121: 224-227.
0321. Wang LF, Ma JX, Zhou RH, Wang XM & Jia JZ 2002 Molecular tagging of the yellow rust resistance gene *Yr10* in common wheat, P.I. 178383 (*Triticum aestivum* L.). *Euphytica* 124: 71-73.
0322. Singrun CH, Hsam SLK, Hartl L, Zeller FJ & Mohler V 2002 Powdery mildew resistance gene *Pm22* in cultivar Virest is a member of the complex *Pm1* locus in common wheat (*Triticum aestivum* L. em Thell.). *Theoretical and Applied Genetics* 106: 1420-1424.
0323. Neu C, Stein N & Keller B 2002 Genetic mapping of the *Lr20-Pm1* resistance locus reveals suppressed recombination on chromosome arm 7AL in hexaploid wheat. *Genome* 45: 737-744.
0324. Faris JD & Gill BS 2002 Genomic targeting and high-resolution mapping of the domestication gene *Q* in wheat. *Genome* 45: 706-718.
0325. Singh RP, William HM, Huerta-Espino J & Crosby M. 2003 Identification and mapping of gene *Yr31* for resistance to stripe rust in *Triticum aestivum* cultivar Pastor. *Proceedings 10th International Wheat Genetics Symposium, Instituto Sperimentale per la Cerealcoltura, Roma, Italy* (Pogna NE, Romano N, Pogna EA & Galterio G eds.) 1: 411-413.
0326. Adhikari TB, Anderson JM & Goodwin SB 2003 Identification and molecular mapping of a gene in wheat conferring resistance to *Mycosphaerella graminicola*. *Phytopathology* 93: 1158-1164.
0327. Yang J, Sears RG, Gill BS & Paulson GM 2002 Quantitative and molecular characterization of heat tolerance in hexaploid wheat. *Euphytica* 126: 275-282.
0328. Zhou WC, Kolb FL, Bai GH, Shaner G & Domier LL 2002 Genetic analysis of scab resistance QTL in wheat with microsatellite and AFLP markers. *Genome* 45: 719-727.
0329. Bansal UK, Hayden MJ, Venkata BP, Khanna R, Saini RG & Bariana HS 2008 Genetic mapping of adult plant leaf rust resistance genes *Lr48* and *Lr49* in common wheat. *Theoretical and Applied Genetics* 117: 307-312.
0330. Hovmoller MS 2007 Sources of seedling and adult plant resistance to *Puccinia striiformis* f.sp. *tritici* in European wheats. *Plant Breeding* 126: 225-233.
0331. Taketa S, Choda M, Ohashi R, Ichii M & Takeda K 2002 Molecular and physical mapping of a barley gene on chromosome 1HL that causes sterility in hybrids with wheat. *Genome* 45: 617-625.
0332. Williams CE, Collier CC, Sardesai N, Ohm HW & Cambron SE. 2003 Phenotypic assessment and mapped markers for *H31*, a new wheat gene conferring resistance to Hessian fly (Diptera: Cecidomyiidae). *Theoretical and Applied Genetics* 107: 1516-1523.
0333. McIntosh RA, Devos KM, Dubcovsky J, Morris CF & Rogers WJ. 2003 Catalogue of gene symbols for wheat: 2003 Supplement. *Annual Wheat Newsletter* 49: 246-282.
0334. Kolmer J 2002 Virulence phenotypes of *Puccinia triticina* in the south Atlantic states in 1999. *Plant Disease* 86: 288-291.
0335. Murai K & Tsunewaki K 1995 Photoperiod-sensitive cytoplasmic male sterility induced in Japanese wheat cultivars by transferring *Aegilops crassa* cytoplasm. *Breeding Science* 45: 199-203.
0336. Eliot C, Zhou FS, Spielmeyer W, Panstruga R & Schulze-Lefert P 2002 Functional conservation of wheat and rice *Mlo* orthologues in defense modulation to the powdery mildew fungus. *Molecular Plant-Microbe Interactions* 15: 1069-1077.
0337. Barrett B, Bayram M & Kidwell K 2002 Identifying AFLP and microsatellite markers for vernalization response gene *Vrn-B1* in hexaploid wheat using reciprocal mapping populations. *Plant Breeding* 121: 400-406.
0338. Long DL, Kolmer JA, Leonard KJ & Hughes ME 2002 Physiologic specialization of

- Puccinia triticina* in the United States in 2000. *Plant Disease* 86: 981-986.
0339. Huang XQ, Hsam SLK & Zeller FJ 2002 Chromosomal location of genes for resistance to powdery mildew in Chinese wheat lines Yieyan 94-1-1 and Siyan 94-2-1. *Hereditas* 136: 212-218.
0340. Park RF, Bariana HS, Wellings CR & Wallwork H 2002 Detection and occurrence of a new pathotype of *Puccinia triticina* with virulence for *Lr24* in Australia. *Australian Journal of Agricultural Research* 53: 1068-1076.
0341. Ahmad M & Sorrells ME 2002 Distribution of microsatellite alleles linked to *Rht8* dwarfing gene in wheat. *Euphytica* 123: 235-240.
0342. Anderson JV & Morris CF 2001 An improved whole-seed assay for screening wheat germplasm for polyphenol oxidase activity. *Crop Science* 41: 1697-1705.
0343. Blanco A, Pasqualone A, Troccoli A, Di Fonzo N & Simeone R 2002 Detection of grain protein content QTLs across environments in tetraploid wheats. *Plant Molecular Biology* 48: 615-623.
0344. Demeke T, Morris CF, Campbell KG, King GE, Anderson JA & Chang HG 2001 Wheat polyphenol oxidase: Distribution and genetic mapping in three inbred line populations. *Crop Science* 41: 1750-1757.
0345. Dong CM, Whitford R & Langridge P 2002 A DNA mismatch repair gene links to the *Ph2* locus in wheat. *Genome* 45: 116-124.
0347. Groos C, Gay G, Perretant MR, Gervais L, Bernard M, Dedryver F & Charmet D 2002 Study of the relationship between pre-harvest sprouting and grain color by quantitative trait loci analysis in a white x red grain bread-wheat cross. *Theoretical and Applied Genetics* 104: 39-47.
0348. Gupta PK, Balyan HS, Edwards KJ, Isaac P, Korzun V, Roder M, Gautier MF, Joudrier P, Schlatter AR, Dubcovsky J, De la Pena RC, Khairallah M, Penner G, Hayden MJ, Sharp P, Keller B, Wang RCC, Hardouin JP, Jack P & Leroy P 2002 Genetic mapping of 66 new microsatellite (SSR) loci in bread wheat. *Theoretical and Applied Genetics* 105: 413-422.
0349. Guyomarc'h H, Sourdille P, Charmet G, Edwards KJ & Bernard M 2002 Characterisation of polymorphic microsatellite markers from *Aegilops tauschii* and transferability to the D-genome of bread wheat. *Theoretical and Applied Genetics* 104: 1164-1172.
0350. Ikeda TM, Nagamine T, Fukuoka H & Yano H 2002 Identification of new low-molecular-weight glutenin subunit genes in wheat. *Theoretical and Applied Genetics* 104: 680-687.
0351. Weng Y & Lazar MD 2002 Comparison of homoeologous group-6 short arm physical maps of wheat and barley reveals a similar distribution of recombinogenic and gene-rich regions. *Theoretical and Applied Genetics* 104: 1078-1085.
0352. Liu XM, Smith CM & Gill BS 2002 Identification of microsatellite markers linked to Russian wheat aphid resistance genes *Dn4* and *Dn6*. *Theoretical and Applied Genetics* 104: 1042-1048.
0353. Miller CA, Altinkut A & Lapitan NLV 2001 A Microsatellite marker for tagging *Dn2*, a wheat gene conferring resistance to the Russian wheat aphid. *Crop Science* 41: 1584-1589.
0354. Mingeot D, Chantret N, Baret PV, Dekeyser A, Boukhatem N, Sourdille P, Doussinault G & Jacquemin JM 2002 Mapping QTL involved in adult plant resistance to powdery mildew in the winter wheat line RE714 in two susceptible genetic backgrounds. *Plant Breeding* 121: 133-140.
0356. Pueyo A, Figueiras AM & Benito C 2002 Is the *Mnr* locus of Triticeae species the same as the *Ndh* and *Dia* loci? *Theoretical and Applied Genetics* 104: 513-517.
0357. Smith PH, Koebner RMD & Boyd LA 2002 The development of a STS marker linked to a yellow rust resistance derived from the wheat cultivar Moro. *Theoretical and Applied*

- Genetics 104: 1278-1282.
0358. Spielmeyer W, Sharp PJ & Lagudah ES 2003 Identification and validation of markers linked to broad-spectrum stem rust resistance gene *Sr2* in wheat (*Triticum aestivum* L.). *Crop Science* 43: 333-346.
0359. Wang XW, Lai JR, Liu GT & Chen F 2002 Development of a scar marker for the *Ph1* locus in common wheat and its application. *Crop Science* 42: 1365-1368.
0360. Spielmeyer W, Huang L, Bariana H, Laroche A, Gill BS & Lagudah E 2000 NBS-LRR sequence family is associated with leaf and stripe rust resistance on the end of homoeologous chromosome group 1S of wheat. *Theoretical and Applied Genetics* 101: 1139-1144.
0361. Aoki N, Whitfield P, Hoeren F, Scofield G, Newell K, Patrick J, Offler C, Clarke B, Rahman S & Furbank RT 2002 Three sucrose transporter genes are expressed in the developing grain of hexaploid wheat. *Plant Molecular Biology* 50: 453-462.
0362. Batey IL, Hayden MJ, Cai S, Sharp PJ, Cornish GB, Morell MK & Appels R 2002 Genetic mapping of commercially significant starch characteristics in wheat crosses. *Australian Journal of Agricultural Research* 52: 1287-1296.
0363. Bougot Y, Lemoine J, Pavoine MT, Barloy D & Doussinault G 2002 Identification of a microsatellite marker associated with *Pm3* resistance alleles to powdery mildew in wheat. *Plant Breeding* 121: 325-329.
0364. Bullrich L, Appendino ML, Tranquilli G, Lewis S & Dubcovsky J 2002 Mapping of a thermo-sensitive earliness per se gene on *Triticum monococcum* chromosome 1A<sup>m</sup>. *Theoretical and Applied Genetics* 105: 585-593.
0365. Elouafi I, Nachit MM & Martin LM 2001 Identification of a microsatellite on chromosome 7B showing a strong linkage with yellow pigment in durum wheat (*Triticum turgidum* L. var. *durum*). *Hereditas* 135: 255-261.
0366. Eujayl I, Sorrells ME, Baum M, Wolters P & Powell W 2002 Isolation of EST-derived microsatellite markers for genotyping the A and B genomes of wheat. *Theoretical and Applied Genetics* 104: 399-407.
0367. Hessler TG, Thomson MJ, Benscher D, Nachit MM & Sorrells ME 2002 Association of a lipoxygenase locus, *Lpx-B1*, with variation in lipoxygenase activity in durum wheat seeds. *Crop Science* 42: 1695-1700.
0368. Holton TA, Christopher JT, McClure L, Harker N & Henry RJ 2002 Identification and mapping of polymorphic SSR markers from expressed gene sequences of barley and wheat. *Molecular Breeding* 9: 63-71.
0369. Kato K, Kidou S, Miura H & Sawada S 2002 Molecular cloning of the wheat CK2 alpha gene and detection of its linkage with *Vrn-A1* on chromosome 5A. *Theoretical and Applied Genetics* 104: 1071-1077.
0370. Mohler V, Klahr A, Wenzel G & Schwarz G 2002 A resistance gene analog useful for targeting disease resistance genes against different pathogens on group 1S chromosomes of barley, wheat and rye. *Theoretical and Applied Genetics* 105: 364-368.
0371. Nomura T, Ishihara A, Imaishi H, Endo TR, Ohkawa H & Iwamura H 2002 Molecular characterization and chromosomal localization of cytochrome P450 genes involved in the biosynthesis of cyclic hydroxamic acids in hexaploid wheat. *Molecular Genetics and Genomics* 267: 210-217.
0372. Otto CD, Kianian SF, Elias EM, Stack RW & Joppa LR 2002 Genetic dissection of a major *Fusarium* head blight QTL in tetraploid wheat. *Plant Molecular Biology* 48: 625-632.
0373. Sandhu D, Sidhu D & Gill KS 2002 Identification of expressed sequence markers for a major gene-rich region of wheat chromosome group 1 using RNA fingerprinting-differential display. *Crop Science* 42: 1285-1290.

0374. Williams KJ, Taylor SP, Bogacki P, Pallotta M, Bariana HS & Wallwork H 2002 Mapping of the root lesion nematode (*Pratylenchus neglectus*) resistance gene *Rlnn1* in wheat. *Theoretical and Applied Genetics* 104: 874-879.
0375. Spielmeyer W & Lagudah ES 2003 Homoeologous set of NBS-LRR genes located at leaf and stripe rust resistance loci on short arms of chromosome 1 of wheat. *Functional and Integrative Genomics* 3: 86-90.
0376. Frick MM, Huel R, Nykiforuk CL, Conner RL, Kusyk A & Laroche A 1998 Molecular characterisation of a wheat stripe rust resistance gene in Moro wheat. *Proceedings 9th International Wheat Genetics Symposium (Slinkard AE ed)* 3: 181-182.
0377. Mago R, Spielmeyer W, Lawrence GJ, Lagudah ES, Ellis JG & Pryor A 2002 Identification and mapping of molecular markers linked to rust resistance genes located on chromosome 1RS of rye using wheat-rye translocation lines. *Theoretical and Applied Genetics* 104: 1317-1324.
0378. Ellis MH, Spielmeyer W, Gale KR, Rebetzke GJ & Richards RA 2002 "Perfect" markers for the *Rht-B1b* and *Rht-D1b* dwarfing genes in wheat. *Theoretical and Applied Genetics* 105: 1038-1042.
0379. Rebetzke GJ, Appels R, Morrison AD, Richards RA, McDonald G, Ellis MH, Spielmeyer W & Bonnett DG 2001 Quantitative trait loci on chromosome 4B for coleoptile length and early vigour in wheat (*Triticum aestivum* L.). *Australian Journal of Agricultural Research* 52: 1221-1234.
0380. Muranty H, Jahier J, Tanguy A-M, Worland AJ & Law CN 2002 Inheritance of wheat to eyespot at the adult stage. *Plant Breeding* 121: 539-541.
0381. Bettge AD, Morris CF & Greenblatt GA 1995 Assessing genotypic softness in single wheat kernels using starch granule-associated friabilin as a biochemical marker. *Euphytica* 86: 65-72.
0382. Blochet JE, Chevalier C, Forest E, Pebay-Peyroula E, Gautier MF, Joudrier P, Pezolet M & Marion D 1993 Complete amino acid sequence of puroindoline, a new basic and cysteine-rich protein with a unique tryptophan-rich domain, isolated from wheat by Triton X-114 phase partitioning. *Federation of European Biochemical Societies Letters* 329: 336-340.
0383. Turner M, Mukai Y, Leroy B, Charef B, Appels R & Rahman S 1999 The *Ha* locus of wheat: Identification of a polymorphic region for tracing grain hardness in crosses. *Genome* 42: 1242-1248.
0384. Rahman S, Jolly CJ, Skerritt JH & Walloscheck A 1994 Cloning of a wheat 15-kDa grain softness protein (GSP). *European Journal of Biochemistry* 223: 917-925.
0385. Cloutier S. 2003 Personal communication.
03101. Urbano M, Margiotta B, Colaprico G & Lafiandra D 2002 Waxy proteins in diploid, tetraploid and hexaploid wheats. *Plant Breeding* 121: 465-468.
03102. Sun Q, Wei Y, Ni C, Xie C & Yang T 2002 Microsatellite marker for yellow rust resistance gene *Yr5* introgressed from spelt wheat. *Plant Breeding* 121: 539-541.
03103. Gautier, MF, Cosson P, Guirao A, Alary R & Joudrier P 2000 Puroindoline genes are highly conserved in diploid ancestor wheats and related species but absent in tetraploid *Triticum* species. *Plant Science* 153: 81-91.
03104. Lillemo M, Simeone MC & Morris CF 2002 Analysis of puroindoline a and b sequences from *Triticum aestivum* cv. 'Penawawa' and related diploid taxa. *Euphytica* 126: 321-331.
03105. Massa AN, Morris CF & BS Gill 2004 Sequence diversity of puroindoline-a, puroindoline-b and the grain softness protein genes in *Aegilops tauschii* Coss. *Crop Science* 44: 1808-1816.
03106. Morris CF, DeMacon VL & Giroux MJ 1999 Wheat grain hardness among chromosome 5D homozygous recombinant substitution lines using different methods of measurement. *Cereal*

- Chemistry 76: 249-254.
03107. Morris CF & King GE 2002 Registration of soft and hard red winter wheat near-isogenic sister lines of 'Weston'. *Crop Science* 42: 2218-2219.
03108. Morris CF, Simeone MC, Gill BS, Mason-Gamer RJ & Lillemo M 2001 Comparison of puroindoline sequences from various diploid members of the triticeae and modern cultivated hexaploid wheats. *Cereals 2000. Proceedings 11th ICC Cereal & Bread Congress and the 50th Australian Cereal Chemistry Conference.* (M Wootton, IL Batey & CW Wrigley eds.) Royal Australian Chemical Institute, North Melbourne, Victoria, Australia 678-681.
03109. Symes K J 1969 Influence of a gene causing hardness on the milling and baking quality of two wheats *Australian Journal of Agricultural Research* 20: 971-979.
03110. Gautier MF, Aleman ME, Guirao A, Marion D & Joudier P 1994 *Triticum aestivum* puroindolines, two basic cystine-rich seed proteins: cDNA analysis and developmental gene expression. *Plant Molecular Biology* 25: 43-57.
03111. Jolly CJ, Rahman S, Kortt AA & Higgins TJ 1990 Characterisation of grain-softness protein, a marker of endosperm texture in wheat. Royal Australian Chemical Institute 92-95.
03112. Alvarez JB, Campos LAC, Martin A, Sillero JA, Martin LM 1999 Genetic analysis of prolamins synthesised by the H<sup>ch</sup> genome and their effects on gluten strength in hexaploid tritordeum. *Euphytica* 107: 177-184.
03113. Alvarez JB, Martin A, Martin LM 1999 Allelic variation of the D-prolamin subunits encoded at the H<sup>ch</sup> genome in a collection of primary hexaploid tritordeums. *Theoretical and Applied Genetics* 99: 296-299.
03114. Alvarez JB, Martin A & Martin LM 2001 Variation in the high-molecular-weight glutenin subunits coded at the Glu-Hch1 locus in *Hordeum chilense*. *Theoretical and Applied Genetics* 102: 134-137.
03115. Amiour N, Bouguennec A, Marcoz C, Sourdille P, Bourgoïn M, Khelifi D & Branlard G 2002 Diversity of seven glutenin and secalin loci within triticales cultivars grown in Europe. *Euphytica* 123: 295-305.
03116. Amiour N, Dardevet A, Khelifi D, Bouguennec A & Branlard G 2002 Allelic variation of HMW and LMW glutenin subunits, HMW secalin subunits and 75K gamma-secalins of hexaploid triticales. *Euphytica* 123: 179-186.
03117. Amiour N, Jahier J, Tanquy AM, Chiron H & Branlard G 2002 Effect of 1R(1A), 1R(1B) and 1R(1D) substitution on technological value of bread wheat. *Journal of Cereal Science* 35: 149-160.
03120. Branlard G, Dardevet M, Amiour N & Igrejas G 2003 Allelic diversity of the HMW and LMW glutenin subunits and omega-gliadins in French bread wheat (*Triticum aestivum* L.). *Genetic Resources and Crop Evolution* 50: 669-679.
03121. Brzezinski W & Lukaszewski AJ 1998 Allelic variation at the Glu-1, Sec-2 and Sec-3 in winter triticales. P. Juskiew (Ed.), Proc. 4th International Triticales Symposium, Alberta Vol. II: 6-12.
03122. Caballero L, Martin LM & Alvarez JB 2001 Allelic variation of the HMW glutenin subunits in Spanish accessions of spelt wheat (*Triticum aestivum* ssp. *spelta* L. em. Thell.). *Theoretical and Applied Genetics* 103: 124-128.
03123. Dubcovsky J, Bullrich L, Echaide M, Schlatter AR, Manifesto M, Tranquilli G, Pfluger L, Feingold S, Barneix AJ, Hopp EH & Suarez EY 1998 Determinantes geneticos de la calidad panadera de los trigos Argentinos. *RIA* 29: 1-30.
03124. Gianibelli MC, Gupta RB, Lafianra D, Margiotta B & MacRitchie F 2001 Polymorphism of high Mr glutenin subunits in *Triticum tauschii*: Characterization by chromatography and electrophoretic methods. *Journal of Cereal Science* 33: 39-52.

03125. Gianibelli MC, Masci S, Larroque OR, Lafiandra D & MacRitchie F 2002 Biochemical characterisation of a novel polymeric protein subunit from bread wheat (*Triticum aestivum* L.). *Journal of Cereal Science* 35: 265-276.
03126. Gianibelli MC & Solomon RG 2003 A novel y-type high Mr glutenin subunit (12.4t) present in *Triticum tauschii*. *Journal of Cereal Science* 37: 253-256.
03127. Igrejas G, Guedes-Pinto H, Carnide V & Branlard G 1999 Seed storage protein diversity in triticale varieties commonly grown in Portugal. *Plant Breeding* 118: 303-306.
03129. Islam N, Woo SH, Tsujimoto H, Kawasaki H & Hirano H 2002 Proteome approaches to characterize seed storage proteins related to ditelocentric chromosomes in common wheat (*Triticum aestivum* L.). *Proteomics* 2: 1146-1155.
03130. Larroque O, Gianibelli MC & MacRitchie F 1999 Protein composition for pairs of wheat lines with contrasting dough extensibility. *Journal of Cereal Science* 29: 27-31.
03131. Liu C-Y & Shepherd KW 1996 Variation of B subunits of glutenin in durum, wild and less widely cultivated tetraploid wheats. *Plant Breeding* 115: 172-178.
03132. Luo C, Griffin WB, Branlard G & McNeil DL 2001 Comparison of low- and high molecular-weight wheat glutenin allele effects on flour quality. *Theoretical and Applied Genetics* 102: 1088-1098.
03133. Margiotta B, Colaprico G, D'Ovidio R & Lafiandra D 1993 Characterization of high Mr subunits of glutenin by combined chromatographic (RP-HPLC) and electrophoretic separations and restriction fragment length polymorphism (RFLP) analyses of their coding genes. *Journal of Cereal Science* 17: 221-236.
03134. Masci S, Rovelli L, Kasarda DD, Vensel WH & Lafiandra D 2002 Characterisation and chromosomal localisation of C-type low- molecular-weight glutenin subunits in the bread wheat cultivar Chinese Spring. *Theoretical and Applied Genetics* 104: 422-428.
03135. Nagamine T, Kai Y, Takayama T, Yanagisawa T & Taya S 2000 Allelic variation at the *Glu-1* and *Glu-3* loci in Southern Japanese wheats, and its effects on gluten properties. *Journal of Cereal Science* 32: 129-135.
03136. Payne PI, Jackson EA & Holt LM 1984 The association between gamma-gliadin 45 and gluten strength in durum wheat varieties: a direct causal effect or the result of genetic linkage? *Journal of Cereal Science* 2: 73-81.
03137. Pfluger LA, Martin LM & Alvarez JB 2001 Variation in the HMW and LMW glutenin subunits from Spanish accessions of emmer wheat (*Triticum turgidum* ssp. *dicoccum* Schrank). *Theoretical and Applied Genetics* 102: 767-772.
03138. Raciti CN, Doust MA, Lombardo GM, Boggini G & Pecetti L 2003 Characterization of durum wheat Mediterranean germplasm for high and low molecular weight glutenin subunits in relation with quality. *European Journal of Agronomy* 19: 373-382.
03139. Rozinek B, Gunther T & Hesemann CU 1998 Gel electrophoretic investigations of prolamins in eu- and alloplasmatic octoploid primary triticale forms. *Theoretical and Applied Genetics* 96: 46-51.
03140. Ruiz M & Carrillo JM 1995 Relationships between different prolamins and some quality properties in durum wheat. *Plant Breeding* 114: 40-44.
03141. Ruiz M, Rodriguez-Quijano M, Metakovsky EV, Francisco Vazquez J & Carrillo JM 2002 Polymorphism, variation and genetic identity of Spanish common wheat germplasm based on gliadin alleles. *Field Crops Research* 79: 185-196.
03142. Tranquilli G, Cuniberti M, Gianibelli MC, Bullrich L, Larroque OR, MacRitchie F & Dubcovsky J 2002 Effect of *Triticum monococcum* glutenin loci on cookie making quality and on predictive tests for bread making quality. *Journal of Cereal Science* 36: 9-18.
03143. Vaccino P, Redaelli R, Metakovsky EV, Borghi B, Corbellini M & Pogna NE 2002



- Identification of novel low M-r glutenin subunits in the high quality bread wheat cv Salmone and their effects on gluten quality. *Theoretical and Applied Genetics* 105: 43-49.
10001. Tsunewaki K and Ebona K 1999 Production of near-isogenic lines of common wheat for glaucousness and genetic basis of this trait clarified by their use. *Genes and Genetic Systems* 74: 33-41.
10002. Kato K, Nakagawa K & Kuno H 1993 Chromosomal location of the genes for vernalization response *Vrn2* and *Vrn4* in common wheat, *Triticum aestivum* L. *Wheat Information Service* 76: 53.
10003. Iwaki K, Haruna S, Niwa T & Kato K 2001 Adaptation and ecological differentiation in wheat habit and *Vrn* genotype. *Plant Breeding* 120: 107-114.
10004. Kato K 2003 Genetic analysis of two genes for vernalization response, the former *Vrn2* and *Vrn4*, using PCR based molecular markers. *Proceedings 10th International Wheat Genetics Symposium, Instituto Sperimentale per la Cerealcoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.)* 3: 971-973.
10005. Kato K, Ikoma H & Hayashi K 1988 Geographical distribution of the genes for vernalization response and its implication for the adaptability of wheat. *Proceedings of the 7th International Wheat Genetics Symposium, Cambridge, U.K. (Miller TE & Koebner RMD, eds.)* 1: 533-539.
10006. Iwaki K, Nishida J, Yanagasawa H, Yoshida X & Kato K 2002 Genetic analysis of *Vrn-B1* for vernalization requirement by using linked dCAPS markers in bread wheat (*Triticum aestivum* L). *Theoretical and Applied Genetics* 104: 571-576.
10007. Leonova I, Pestova E, Salina E, Efremova T, Roder M & Borner A 2003 mapping of the *Vrn-B1* gene in *Triticum aestivum* using microsatellite markers. *Plant Breeding* 122: 209-212.
10008. Liu ZH, Faris JD, Meinhardt S, Ali S, Rasmussen JB & Friesen TL 2004 Genetic and physical mapping of a gene conditioning sensitivity in wheat to a partially purified host-selective toxin produced by *Stagonospora nodorum*. *Phytopathology* 94: 1056-1060.
10009. Liu ZH, Friesen TL, Meinhardt S, Ali S, Rasmussen JB & Faris JD 2003 Quantitative trait loci analysis and mapping of seedling resistance to *Stagonospora nodorum* leaf blotch in wheat. *Phytopathology* 94: 1061-1067.
10010. Mundt CC, Cowger C & Garrett KA 2002 Relevance of integrated disease management to disease durability. *Euphytica* 124: 245-252.
10011. Chartrain L, Berry ST & Brown JKM 2005 Resistance of wheat line Kavkaz-K4500 1.6.A.4 to *Septoria tritici* blotch controlled by isolate-specific resistance genes. *Phytopathology* 95: 664-671.
10012. Chartrain L, Joaquim P, Berry ST, Arraiano F, Azanza F & Brown JKM. 2005 Genetics of resistance to *septoria tritici* blotch in the Portuguese breeding line TE 9111. *Theoretical and Applied Genetics* 110: 1138-1144.
10013. De Majnik J, Ogbonnaya FC, Moullet O & Lagudah ES 2003 The *Cre1* and *Cre3* nematode resistance genes are located at homoeologous loci in the wheat genome. *Molecular Plant-Microbe Interactions* 16: 1129-1134.
10014. Yan L, Loukoianov A, Tranquilli G, Helguera M, Fahima T & Dubcovsky J 2003 Positional cloning of the wheat vernalization gene *VRN1*. *Proceedings of the National Academy of Sciences USA* 100: 6263-6268.
10015. Friesen TL & Faris JD. 2004 Molecular mapping of resistance to *Pyrenophora tritici-repentis* race 5 and sensitivity to Ptr ToxB in wheat. *Theoretical and Applied Genetics* 109: 464-471.
10016. Eriksen L, Afshari F, Christiansen MJ, McIntosh RA, Jahoor A & Wellings CR 2004 *Yr32*

- for resistance to stripe (yellow) rust present in the wheat cultivar Carstens V. *Theoretical and Applied Genetics* 108: 567-575.
10017. Calon nec A, Johnson R & de Vallavieille-Pope C 2002 Genetic analysis of resistance of the wheat differential cultivars Carstens V and Spaldings Prolific to two races of *Puccinia striiformis*. *Plant Pathology* 51: 777-786.
10018. Gosal KS 2004 Aspects of Resistance to Wheat Stripe Rust in Australia. PhD Thesis, The University of Sydney.
10019. Danyluk J, Kane NA, Breton G, Limin AE, Fowler DB & Sarhan F 2003 TaVRT-1, a putative transcription factor associated with vegetative to reproductive transition in cereals. *Plant Physiology* 132: 1849-1860.
10020. Somers DJ, Fedak G & Savard M 2003 Molecular mapping of novel genes controlling *Fusarium* head blight resistance and deoxynivalenol accumulation in spring wheat. *Genome* 46: 555-564.
10021. Bayles RA, Slater SE & Hopkins FG 2002 Yellow rust in wheat. UK Cereal pathogen Virulence Survey: 2001 Annual Report, pp28-35 The UK Cereal Pathogen Survey Committee, Cambridge UK.
10022. Hovmoller MS 2001 Disease severity and pathotype dynamics of *Puccinia striiformis* f.sp. *tritici* in Denmark. *Plant Pathology* 50: 181-189.
10023. Pathan A & Wellings CR 2003 Personal communication.
10024. Buerstmayr H, Steiner B, Halzenbuhler E, Scholz U, Mesterhazy A, Lemmens M & Ruckenbauer P 2003 Resistance to *Fusarium* head blight in wheat. Vol 1: 447-450. Proceedings 10th International Wheat genetics Symposium Istituto Sperimentale per la Cerealicoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10025. Hsam SLK, Lapochkina IF & Zeller FJ 2003 Chromosomal location of genes for powdery mildew resistance in common wheat (*Triticum aestivum* L. em Thell.). 8. Gene *Pm32* in a wheat-*Aegilops speltoides* translocation line. *Euphytica* 133: 367-370.
10026. Bourdoncle W & Ohm HW 2003 Quantitative trait loci for resistance to *Fusarium* head blight in recombinant inbred lines from the cross Hualpei 57-2/Patterson. *Euphytica* 131: 131-136.
10027. Chatrain L, Sourdille P, Bernard M & Brown JKM 2009 Identification and location of Stb9, a gene for resistance to septoria tritici blotch in wheat cultivars Courtot and Tonic. *Plant Pathology* 58: 547-555.
10028. McIntosh RA, Yamazaki Y, Dubcovsky J, Rogers WJ & Appels R 2003 Catalogue of Gene Symbols for Wheat. Vol 4 & CD: Proceedings 10th International Wheat Genetics Symposium, Istituto Sperimentale per la Cerealicoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10029. Ahmadi Firouzabad A & Moore K 2003 Chromosomal location of powdery mildew resistance gene Td1055 in wild emmer wheat (*T. dicoccoides*) accessions TA1055 and TA1150. Vol 3: 1090-1092. Proceedings 10th International Wheat Genetics Symposium Istituto Sperimentale per la Cerealicoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10030. Friesen TL, Ali S, Kianian S, Francl LJ & Rasmussen JB 2003 Role of host sensitivity to Ptr ToxA in development of tan spot of wheat. *Phytopathology* 93: 397-401.
10031. Leonova I, Borner A, Budashkina E, Kalinina N, Unger O, Roder M & Salina E 2004 Identification of microsatellite markers for a leaf rust resistance gene introgressed into common wheat from *Triticum timopheevii*. *Plant Breeding* 123: 93-95.
10032. Nakamura T, Vrinten P, Saito M & Kondo M 2002 Rapid classification of partial waxy mutants using PCR-based markers. *Genome* 45: 1150-1156.

10033. Feuillet C, Travella S, Stein N, Albar L, Nublát A & Keller B 2003 Map-based isolation of the leaf rust disease resistance gene *Lr10* from the hexaploid wheat (*Triticum aestivum* L.) genome. *Proceedings of the National Academy of Sciences U.S.A.* 100: 15253-15258.
10034. Wallwork H, Butt M, Cheong J & Williams K 2003 Resistance to crown rot in wheat identified through an improved method for screening adult plants. *Australasian Plant Pathology* 33: 1-7.
10035. Hiebert C, Thomas J & McCallum B 2005 Locating the broad-spectrum wheat leaf rust resistance gene *Lr52* by a new cytogenetic method. *Theoretical and Applied Genetics* 111: 1453-1457.
10036. Ogihara Y & Tsunewaki K 2000 Chinese Spring wheat (*Triticum aestivum* L) chloroplast genome: complete sequence and contig clones. Kihara Memorial Foundation for the Advancement of Life Sciences, Yokohama, Japan.
10037. Turnbull K-M, Turner M, Mukai Y, Yamamoto M, Morell MK, Appels R & Rahman H 2003 The organisation of genes tightly linked to the *Ha* locus in *Aegilops tauschii*, the D-genome donor to wheat. *Genome* 46: 330-338.
10038. Hovmøller MS 2001 Disease severity and pathotype dynamics of *Puccinia striiformis* f. sp. *tritici* in Denmark. *Plant Pathology* 50: 181-189.
10039. Zahravi M, Bariana HS, Shariflou MR, Balakrishna PV, Banks PM & Ghannadha MR 2003 Bulk segregant analysis of stripe rust resistance in wheat (*Triticum aestivum*) using microsatellite markers. *Proceedings 10<sup>th</sup> International Wheat Genetics Symposium, Instituto Sperimentale per Cerealicoltura, Rome* (Pogna NE, Romano M, Pogna EA & Galterio, eds): 861-863.
10040. Bariana HS, Parry N, Barclay IR, Loughman R, McLean RJ, Shankar M, Wilson RE, Willey NJ & Francki M 2006 Identification and characterization of stripe rust resistance gene *Yr34* in common wheat. *Theoretical and Applied Genetics* 112: 1143-1148.
10041. Akhunov ED, Goodyear AW, Geng S, Qi LL, Echalié B, Gill BS, Miftahudin MA, Gustafson JP, Lazo G, Chao SM, Anderson OD, Linkiewicz AM, Dubcovsky J, La Rota M, Sorrells ME, Zhang DS, Nguyen HT, Kalavacharla V, Hossain K, Kianian SF, Peng JH, Lapitan NLV, Gonzalez-Hernandez JL, Anderson JA, Choi DW, Close TJ, Dilbirligi M, Gill KS, Walker-Simmons MK, Steber C, McGuire PE, Qualset CO & Dvorak J 2003 The organization and rate of evolution of wheat genomes are correlated with recombination rates along chromosome arms. *Genome Research* 13: 753-763.
10042. Akhunov ED, Akhunova AR, Linkiewicz AM, Dubcovsky J, Hummel D, Lazo G, Chao SM, Anderson OD, David J, Qi LL, Echalié B, Gill BS, Gustafson JP, La Rota M, Sorrells ME, Zhang DS, Nguyen HT, Kalavacharla V, Hossain K, Kianian SF, Peng JH, Lapitan NLV, Wennerlind EJ, Nduati V, Anderson JA, Sidhu D, Gill KS, McGuire PE, Qualset CO & Dvorak J 2003 Synteny perturbations between wheat homoeologous chromosomes caused by locus duplications and deletions correlate with recombination rates. *Proceedings of the National Academy Sciences USA* 100: 10836-10841.
10043. Sorrells ME, La Rota M, Bermudez-Kandianis CE, Greene RA, Kantety R, Munkvold JD, Miftahudin MA, Ma XF, Gustafson PJ, Qi LL, Echalié B, Gill BS, Matthews DE, Lazo GR, Chao SM, Anderson OD, Edwards H, Linkiewicz AM, Dubcovsky J, Akhunov ED, Dvorak J, Zhang DS, Nguyen HT, Peng JH, Lapitan NLV, Gonzalez-Hernandez JL, Anderson JA, Hossain K, Kalavacharla V, Kianian SF, Choi DW, Close TJ, Dilbirligi M, Gill KS, Steber C, Walker-Simmons MK, McGuire PE & Qualset CO 2003 Comparative DNA sequence analysis of wheat and rice genomes. *Genome Research* 13: 1818-1827.
10044. Campbell BT, Baenziger PS, Gill KS, Eskridge KM, Budak H, Erayman M, Dweikat I & Yen Y 2003 Identification of QTLs and environmental interactions associated with agronomic traits on chromosome 3A of wheat. *Crop Science* 43: 1493-1505.

10045. Czembor PC, Arseniuk E, Czaplicki A, Song QJ, Cregan PB & Ueng PP 2003 QTL mapping of partial resistance in winter wheat to *Stagonospora nodorum* blotch. *Genome* 46: 546-554.
10046. Dudnikov AJ 2003 Allozymes and growth habit of *Aegilops tauschii*: genetic control and linkage patterns. *Euphytica* 129: 89-97.
10047. Han FP, Fedak G, Ouellet T & Liu B 2003 Rapid genomic changes in interspecific and intergeneric hybrids and allopolyploids of Triticeae. *Genome* 46: 716-723.
10048. Boeuf C, Prodanovic S, Gay G & Bernard M 2003 Structural organization of the group-1 chromosomes of two bread wheat sister lines. *Theoretical and Applied Genetics* 106: 938-946.
10049. Forsstrom PO, Koebner R & Merker A 2003 The conversion of wheat RFLP probes into STS markers via the single-stranded conformation polymorphism technique. *Genome* 46: 19-27.
10050. He P, Friebe BR, Gill BS & Zhou JM 2003 Allopolyploidy alters gene expression in the highly stable hexaploid wheat. *Plant Molecular Biology* 52: 401-414.
10051. Igrejas G, Leroy P, Charmet G, Gaborit T, Marion D & Branlard G 2002 Mapping QTLs for grain hardness and puroindoline content in wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 106: 19-27.
10052. Maleki L, Faris JD, Bowden RL, Gill BS & Fellers JP 2003 Physical and genetic mapping of wheat kinase analogs and NBS-LRR resistance gene analogs. *Crop Science* 43: 660-670.
10053. Devos KM, Sorrells ME, Anderson JA, Miller TE, Reader SM, Lukaszewski AJ, Dubcovsky J, Sharp PJ, Faris J & Gale MD 1999 Chromosome aberrations in wheat nullisomic-tetrasomic and ditelosomic lines. *Cereal Research Communications* 27: 231-239.
10054. Nemoto Y, Kisaka M, Fuse T, Yano M & Ogihara Y 2003 Characterization and functional analysis of three wheat genes with homology to the CONSTANS flowering time gene in transgenic rice. *Plant Journal* 36: 82-93.
10055. Prasad M, Kumar N, Kulwal PL, Roder MS, Balyan HS, Dhaliwal HS & Gupta PK 2003 QTL analysis for grain protein content using SSR markers and validation studies using NILs in bread wheat. *Theoretical and Applied Genetics* 106: 659-667.
10056. Salina E, Dobrovolskaya O, Efremova T, Leonova I & Roder MS 2003 Microsatellite monitoring of recombination around the *Vrn-B1* locus of wheat during early backcross breeding. *Plant Breeding* 122: 116-119.
10057. Shindo C, Tsujimoto H & Sasakuma T 2003 Segregation analysis of heading traits in hexaploid wheat utilizing recombinant inbred lines. *Heredity* 90: 56-63.
10058. Danna CH, Sacco F, Ingala LR, Saione HA & Ugalde RA 2002 Cloning and mapping of genes involved in wheat-leaf rust interaction through gene-expression analysis using chromosome-deleted near-isogenic wheat lines. *Theoretical and Applied Genetics* 105: 972-979.
- 10059.
10060. Suenaga K, Singh RP, Huerta-Espino J & Williams HM 2003 Microsatellite markers for genes *Lr34/Yr18* and other quantitative trait loci for leaf rust and stripe rust resistance in bread wheat. *Phytopathology* 93: 881-890.
10061. Watanabe N, Sugiyama K, Yamagishi Y & Sakata Y 2002 Comparative telosomic mapping of homoeologous genes for brittle rachis in tetraploid and hexaploid wheats. *Hereditas* 137: 180-185.
10062. del Blanco IA, Froberg RC, Stack RW, Berzonsky WA & Kianian SF 2003 Detection of QTL linked to *Fusarium* head blight resistance in Sumai 3-derived North Dakota bread wheat lines. *Theoretical and Applied Genetics* 106: 1027-1031.

10063. Zhang W, Gianibelli MC, Ma W, Rampling L & Gale KR 2003 Identification of SNPs and development of allele-specific PCR markers for gamma-gliadin alleles in *Triticum aestivum*. *Theoretical and Applied Genetics* 107: 130-138.
10064. Yahiaoui N, Srichumpa P, Dudler R & Keller B 2004 Genome analysis at different ploidy levels allows cloning of the powdery mildew resistance *Pm3b* from hexaploid wheat. *Plant Journal* 47: 85-98.
10065. Schnurbusch T, Paillard S, Fossati D, Messmer M, Schachermayr G, Winzeler M & Keller B 2003 Detection of QTLs for *Stagonospora glume blotch* resistance in Swiss winter wheat. *Theoretical and Applied Genetics* 107: 1226-1234.
10066. Schnurbusch T, Paillard S, Schori A, Messmer M, Schachermayr G, Winzeler M & Keller B 2004 Dissection of quantitative and durable leaf rust resistance in Swiss winter wheat reveals a major resistance QTL in the *Lr34* chromosomal region. *Theoretical and Applied Genetics* 108: 477-484.
10067. Eriksen L, Borum F & Jahoor A 2003 Inheritance and localisation of resistance to *Mycosphaerella graminicola* causing septoria tritici blotch and plant height in the wheat (*Triticum aestivum* L.) genome with DNA markers. *Theoretical and Applied Genetics* 107: 515-527.
10068. Friebe B, Zhang P, Nasuda S & Gill BS 2003 Characterisation of a knock-out mutation at the *Gc2* locus in wheat. *Chromosoma* 111: 509-517.
10069. Gervais L, Dedryver F, Morlais JY, Boduseau V, Negre S, Bilous M, Groos C & Trottet M 2003 Mapping of quantitative trait loci for field resistance to *Fusarium head blight* in an European winter wheat. *Theoretical and Applied Genetics* 106: 961-970.
10070. Groenewald JZ, Marais AS & Marais GF 2003 Amplified fragment length polymorphism-derived microsatellite sequence linked to the *Pch1* and *Ep-D1* loci in common wheat. *Plant Breeding* 122: 83-85.
10071. Groos C, Robert N, Bervas E & Charmet G 2003 Genetic analysis of grain protein-content, grain yield and thousand-kernel weight in bread wheat. *Theoretical and Applied Genetics* 106: 1032-1040.
10072. Guo PG, Bai GH & Shaner GE 2003 AFLP and STS tagging of a major QTL for *Fusarium head blight* resistance in wheat. *Theoretical and Applied Genetics* 106: 1011-1017.
10073. Helguera M, Khan IA, Kolmer J, Lijavetzky D, Zhong-qi L & Dubcovsky J 2003 PCR assays for the *Lr37-Yr17-Sr38* cluster of rust resistance genes and their use to develop isogenic hard red spring wheat lines. *Crop Science* 43: 1839-1847.
10074. Mohler V, Hsam SLK, Zeller FJ & Wenzel G 2001 An STS marker distinguishing the rye-derived powdery mildew resistance alleles at the *Pm8/Pm17* locus of common wheat. *Plant Breeding* 120: 448-450.
10075. Toth B, Galiba G, Feher E, Sutka J & Snape JW 2003 Mapping genes affecting flowering time and frost resistance on chromosome 5B of wheat. *Theoretical and Applied Genetics* 107: 509-514.
10076. Buerstmayr H, Steiner B, Hartl L, Griesser M, Angerer N, Lengauer D, Miedaner T, Schneider B & Lemmens M 2003 Molecular mapping of QTLs for *Fusarium head blight* resistance in spring wheat. II. Resistance to fungal penetration and spread. *Theoretical and Applied Genetics* 107: 503-508.
10077. Tranquilli G, Heaton J, Chicaiza O & Dubcovsky J 2002 Substitutions and deletions of genes related to grain hardness in wheat and their effect on grain texture. *Crop Science* 42: 1812-1817.
10078. Meguro A, Takumi S, Ogihara Y & Murai K 2003 WAG, a wheat AGAMOUS homolog, is associated with development of pistil-like stamens in alloplasmic wheats. *Sexual Plant*

- Reproduction 15: 221-230.
10079. Vagujfalvi A, Galiba G, Cattivelli L & Dubcovsky J 2003 The cold-regulated transcriptional activator Cbf3 is linked to the frost-tolerance locus *Fr-A2* on wheat chromosome 5A. *Molecular Genetics and Genomics* 269: 60-67.
10080. Sourdille P, Cadalen T, Guyomarc'h H, Snape JW, Perretant MR, Charmet G, Boeuf C, Bernard S & Bernard M 2003 An update of the Courtot x Chinese Spring intervarietal molecular marker linkage map for the QTL detection of agronomic traits in wheat. *Theoretical and Applied Genetics* 106: 530-538.
10081. Nagy ED, Eder C, Molnar-Lang M & Lelley T 2003 Genetic mapping of sequence-specific PCR-based markers on the short arm of the 1BL.1RS wheat-rye translocation. *Euphytica* 132: 243-250.
10082. Peng JH, Ronin Y, Fahima T, Roder MS, Li YC, Nevo E & Korol A 2003 Domestication quantitative trait loci in *Triticum dicoccoides*, the progenitor of wheat. *Proceedings of the National Academy of Sciences USA* 100: 2489-2494.
10083. Francia E, Rizza F, Cattivelli L, Stanca AM, Galiba G, Toth B, Hayes PM, Skinner JS & Pecchioni N 2004 Two loci on chromosome 5H determine low-temperature tolerance in a Nure (winter) X Tremois (spring) barley map. *Theoretical and Applied Genetics* 108: 670-680.
10084. Qin GJ, Chen PD, Gu HY, Feng YG & Niu JS 2003 Isolation of resistance gene analogs from wheat based on conserved domains of resistance genes. *Acta Botanica Sinica* 45: 340-345.
10085. Shen X, Zhou M, Lu W & Ohm H 2003 Detection of Fusarium head blight resistance QTL in a wheat population using bulked segregant analysis. *Theoretical and Applied Genetics* 106: 1041-1047.
10086. Amiour N, Merlino M, Leroy P & Branlard G 2002 Proteomic analysis of amphiphilic proteins of hexaploid wheat kernels. *Proteomics* 2: 632-641.
10087. Amiour N, Merlino M, Leroy P & Branlard G 2003 Chromosome mapping and identification of amphiphilic proteins of hexaploid wheat kernels. *Theoretical and Applied Genetics* 108: 62-72.
10088. De Bustos A, Rubio P & Jouve N 2000 Molecular characterisation of the inactive allele of the gene *Glu-A1* and the development of a set of AS-PCR markers for HMW glutenins of wheat. *Theoretical and Applied Genetics* 100: 1085-1094.
10089. Larroque OR, Gianibelli MC, Lafiandra D, Sharp P & Bekes F 2003 The molecular weight distribution of the glutenin polymer as affected by the number, type and expression levels of HMW-GS. *Proceedings of the 10th International Wheat Genetics Symposium, Vol 1: 447-450* Instituto Sperimentale per la Cerealicoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10090. Juhasz A, Gardonyi M, Tamas L & Bedo Z 2003 Characterisation of the promoter region of *Glu-1Bx7* gene from overexpressing lines of an old Hungarian wheat variety. *Proceedings of the 10th International Wheat Genetics Symposium, Vol 3: 1348-1350* Instituto Sperimentale per la Cerealicoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10091. Wang Tao (personal communication).
10092. Smith RL, Schweder ME & Barnett RD 1994 Identification of glutenin alleles in wheat and triticale using PCR-generated DNA markers. *Crop Science* 34: 1373-1378.
10093. Radovanovic N & Cloutier S 2003 Gene-assisted selection for high molecular weight glutenin subunits in wheat doubled haploid breeding programs. *Molecular Breeding* 12: 51-59.
10094. De Bustos A & Jouve N 2003 Characterisation and analysis of new HMW-glutenin alleles

- encoded by the *Glu-R1* locus of *Secale cereale*. Theoretical and Applied Genetics 107: 74-83.
10095. Anderson OD, Larka L, Christoffers MJ, McCue KF & Gustafson JP 2002 Comparison of orthologous and paralogous DNA flanking the wheat high-molecular-weight glutenin genes: sequence conservation and divergence, transposon distribution, and matrix-attachment regions. Genome 45: 367-380.
10096. Yan GP, Chen XM, Line RF & Wellings CR 2003 Resistance gene-analog polymorphism markers co-segregating with the *Yr5* gene for resistance to wheat stripe rust. Theoretical and Applied Genetics 106: 636-643.
10097. Chen X, Soria MA, Yan G, Sun J & Dubcovsky J 2003 Development of user-friendly PCR markers for wheat stripe rust resistance gene *Yr5*. Crop Science 43: 2058-2064.
10098. Yan L, Echenique V, Busso C, SanMiguel P, Ramakrishna W, Bennetzen JL, Harrington S & Dubcovsky J 2002 Cereal genes similar to SNF2 define a new subfamily that includes human and mouse genes. Molecular Genetics and Genomics 268: 488-499.
10099. Pozniak CJ & Hucl PJ 2004 Genetic analysis of imidazolinone resistance in mutation-derived lines of common wheat. Crop Science 44: 23-30.
10100. Newhouse K, Smith W, Starrett M, Schafer T & Singh BK 1992 Tolerance to imidazolinone herbicides in wheat. Plant Physiology 100: 882-886.
10101. Pozniak CJ, Birk IT, O'Donoghue LS, Menard C, Hucl PJ & Singh BK 2004 Physiological and molecular characterization of mutation-derived Imidazolinone resistance in spring wheat. Crop Science 44: 1434-1443.
10102. Pozniak CJ & Hucl PJ 2003 Characterization of imidazolinone resistance in *Triticum monococcum* L. Proceedings 10th International Wheat Genetics Symposium, Vol 2 : 902-904 Instituto Sperimentale per la Cerealcoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10103. Nomura T, Ishihara A, Ohkawa H, Endo TR & Iwamura H 2003 Evolutionary diversity of the genes for the biosynthesis of benzoxinones in *Triticeae*. Proceedings 10th International Wheat Genetics Symposium, Vol 2 : 500-502 Instituto Sperimentale per la Cerealcoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10104. Knox RE, Clarke JM, Houshmand S & Clarke FR 2003 Chromosomal location of the low grain cadmium concentration trait in durum wheat. Proceedings 10th International Wheat Genetics Symposium, Vol 3 : 977-979 Instituto Sperimentale per la Cerealcoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10105. Adhikari TB, Wallwork H & Goodwin SB 2004 Microsatellite markers linked to the *Stb2* and *Stb3* genes for resistance to septoria tritici blotch in wheat. Crop Science 44: 1403-1411.
- 10106.
10107. Himi E & Noda K 2003 *R* gene for wheat grain colour might be a Myb-type transcription factor. Proceedings 10th International Wheat Genetics Symposium, Vol 3 : 958-960 Instituto Sperimentale per la Cerealcoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10108. Goncharov NP 2003 Genetics of growth habit (spring vs winter) in common wheat: confirmation of the existence of dominant gene *Vrn4*. Theoretical and Applied Genetics 107: 768-772.
10109. Huang XQ & Roder MS 2003 High-density genetic and physical mapping of the powdery mildew resistance gene *Pm24* on chromosome 1D of wheat. Proceedings 10th International Wheat Genetics Symposium, Vol 3 : 961-964 Instituto Sperimentale per la Cerealcoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10110. Navabi A, Singh RP, Tewari JP & Briggs KG 2003 Genetic analysis of adult-plant

- resistance to leaf rust in five spring wheat genotypes. *Plant Disease* 87: 1522-1529.
10111. Wamishe YA & Milus EA 2004 Seedling resistance genes to leaf rust in soft red winter wheat. *Plant Disease* 88: 136-146.
10112. Zakari A, McIntosh RA, Hovmoller MS, Wellings CR, Shariflou MR, Hayden M & Bariana HS 2003 Recombination of *Yr15* and *Yr24* in chromosome 1BS. Proceedings 10th International Wheat Genetics Symposium, Vol 1 : 417-420 Instituto Sperimentale per la Cerealcoltura, Rome, Italy (Pogna NE, Romano N, Pogna EA & Galterio G eds.).
10113. Liu SX & Anderson JA 2003 Marker assisted evaluation of Fusarium head blight resistant wheat germplasm. *Crop Science* 43: 760-766.
10114. Shen XR, Ittu M & Ohm HW 2003 Quantitative loci conditioning resistance to Fusarium head blight in wheat line F201R. *Crop Science* 43: 850-857.
10115. Bai GH, Guo PG & Kolb FL 2003 Genetic relationships among head blight resistant cultivars of wheat assessed on the basis of molecular markers. *Crop Science* 43: 498-507.
10116. Lerner SE, Cogliatti M, Ponzio NR, Seghezzo ML, Molfese ER & Rogers WJ 2004 Genetic variation for grain protein components and industrial quality of durum wheat cultivars sown in Argentina. *Journal of Cereal Science* 40: 161-166.
10117. Clarke BC, Phongkham T, Gianibelli MC, Beasley H & Bekes F 2003 The characterisation and mapping of a family of LMW-gliadin genes: effects on dough properties and bread volume. *Theoretical and Applied Genetics* 106: 629-635.
10118. Gedye KR, Morris CF & Bettge AD 2004 Determination and evaluation of the sequence and textural effects of puroindoline a and puroindoline b genes in a population of synthetic hexaploid wheat. *Theoretical and Applied Genetics* 109: 1597-1603.
10119. Pan, Z, Song W, Meng F, Xu L, Liu B & Zhu J 2004 Characterization of genes encoding wheat grain hardness from Chinese cultivar GaoCheng 8901. *Cereal Chemistry* 81: 287-289.
10120. Massa AN, Morris CF & Gill BS 2004 Personal communication.
10121. Xia L, Chen F, He Z, Chen X & Morris CF 2005 Occurrence of puroindoline alleles in Chinese winter wheats. *Cereal Chemistry* 82: 38-43.
10122. Chantret N, Cenci A, Sabot F, Anderson O & J Dubcovsky 2004 Sequencing of the *Triticum monococcum* hardness locus reveals good microcolinearity with rice. *Molecular and General Genomics* 271: 377-386.
10123. Adhikari TB, Yang X, Cavallo JR, Hu X, Buechley G, Ohm HW, Shaner G & Goodwin SB 2004 Molecular mapping of the *Stb1*, a potentially durable gene for resistance to septoria tritici blotch in wheat. *Theoretical and Applied Genetics* 109: 944-953.
10124. Song QJ, Shi JR, Singh S, Fickus EW, Costa JM, Lewis J, Gill BS, Ward R & Cregan PB. 2005 Development and mapping of microsatellite (SSR) markers in wheat *Theoretical and Applied Genetics* 110: 550-560.
10125. Somers DJ, Isaac P & Edwards K 2004 A high-density wheat microsatellite consensus map for bread wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 109: 1105-1114.
10126. Sourdille P, Singh S, Cadalen T, Brown-Guedira GL, Gay G, Qi L, Gill BS, Dufour P, Murigneux A & Bernard M 2004 Microsatellite-based deletion bin system for the establishment of genetic-physical map relationships in wheat (*Triticum aestivum* L.). *Functional and Integrative Genomics* 4: 12-25.
10127. Mohler V, Zeller FJ, Wenzel G & Hsam SLK 2005 Chromosomal location of genes for powdery mildew resistance in common wheat (*Triticum aestivum* L.) 9. Gene *MiZec* from the *Triticum dicoccoides*-derived wheat line Zecoi-1. *Euphytica* 142: 161-167.
10128. Arzani A, Peng JH & Lapitan NLV 2004 DNA and morphological markers for a Russian wheat aphid resistance gene. *Euphytica* 139: 167-172.
10129. Mohler V, Lukman R, Ortiz-Islas S, William M, Worland AJ, Van Beem J & Wenzel G.



- 2004 Genetic and physical mapping of photoperiod insensitive gene *Ppd-B1* in common wheat. *Euphytica* 138: 33-40.
10130. Watanabe N, Takeuchi A & Nakayama A. 2004 Inheritance and chromosome location of the homoeologous genes affecting phenol colour reaction of kernels in durum wheat. *Euphytica* 239: 87-93.
10131. Wrigley CW & McIntosh RA. 1975 Genetic control of factors regulating the phenol reaction of wheat and rye grain. *Wheat Information Service* 40: 6-11.
10132. Kanyuka K, Lovell DJ, Mitrofanova OP, Hammond-Kosack K & Adams MJ 2004 A controlled environment test for resistance to *Soil-borne cereal mosaic virus* (SBCMV) and its use to determine the mode of inheritance of resistance in wheat cv. Cadenza and for screening *Triticum monococcum* botypes for sources of SBCMV resistance. *Plant Pathology* 53: 154-160.
10133. Watanabe N, Nakayama A & Ban T 2004 Cytological and microsatellite mapping of the genes determining liguleless phenotype in durum wheat. *Euphytica* 140: 163-170.
10134. Li HJ, Arterburn M, Jones SS & Murray TD 2004 A new source of resistance to *Tapesia yallundae* associated with a homoeologous group 4 chromosome in *Thinopyrum ponticum*. *Phytopathology* 94: 932-937.
10135. Jamjod S, Niruntrayagul S & Rerkasem B 2004 Genetic control of boron efficiency in wheat (*Triticum aestivum*). *Euphytica* 135: 21-17.
10136. Castro AM, Vasicek A, Ellerbrook C, Gimenez DO, Tocho E, Tacaliti MS, Clua A & Snape JW 2002 Mapping quantitative trait loci in wheat for resistance against greenbug and Russian wheat aphid. *Plant Breeding* 123: 361-365.
10137. Sardesai N, Nemacheck JA, Subramanyam S & Williams CE 2005 Identification and mapping of *H32*, a new wheat gene conferring resistance to Hessian fly. *Theoretical and Applied Genetics* 111: 1167-1173.
10138. Chicaiza O, Khan IA, Zhang X, Brevis CJ, Jackson L, Chen X & Dubcovsky J 2005 Registration of five wheat isogenic lines for leaf rust and stripe rust resistance genes. *Crop Science* 46: 485-487.
10139. Marais GF, McCallum B, Snyman JE, Pretorius ZA & Marais AS 2005 Leaf rust and stripe rust resistance genes *Lr54* and *Yr37* transferred to wheat from *Aegilops kotschyi*. *Plant Breeding* 124: 538-541.
10140. Adhikari TB, Cavaletto JR, Dubcovsky J, Gioco JO, Schlatter AR & Goodwin SB 2004 Molecular mapping of the *Stb4* gene for resistance to septoria tritici blotch in wheat. *Phytopathology* 94: 1198-1206.
10141. Huang X.Q. & Roder MS 2004 Molecular mapping of powdery mildew resistance in wheat: a review *Euphytica* 137: 203-223.
10142. Hayden MJ, Kuchel H & Chalmers KJ 2004 Sequence tagged microsatellites for the *Xgwm533* locus provide new diagnostic markers to select for the presence of stem rust resistance gene *Sr2* in bread wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 109: 1641-1647.
10143. Arseniuk E, Czembor PC, Czaplick A, Song QJ, Cregan PB, Hoffman DL & Ueng PP 2004 QTL controlling partial resistance to *Stagonospora nodorum* leaf blotch in winter wheat cultivar Alba. *Euphytica* 137: 225-231.
10144. Watanabe N 2004 *Triticum polonicum* IC12196: a possible alternative source of GA<sub>3</sub>-insensitive semi-dwarfism. *Cereal Research Communications* 32: 429-434.
10145. Navabi Z, Shiran B & Assad MT 2004 Microsatellite mapping of a Russian wheat aphid resistance gene on chromosome 7B of an Iranian tetraploid wheat line: preliminary results. *Cereal Research Communications* 32: 451-457.

10146. Kolmer JA, Long DL & Hughes ME 2004 Physiologic specialization of *Puccinia triticina* in the United States in 2002. *Plant Disease* 88: 1079-1084.
10147. Prabhu KV, Gupta SK, Charpe A & Koul S 2004 SCAR marker tagged to the alien leaf rust resistance gene *Lr19* uniquely marking the *Agropyron elongatum* gene *Lr24* in wheat: a revision. *Plant Breeding* 123: 417-420.
10148. Lehmensiek A, Campbell AW, Williamson PM, Michalowicz M, Sutherland MW & Daggard GE 2004 QTLs for black-point resistance in wheat and identification of potential markers for use in breeding programmes. *Plant Breeding* 123: 410-416.
10149. Jimenez M & Dubocovsky J 1999 Chromosome location of genes affecting polyphenol oxidase activity in seeds of common and durum wheat. *Plant Breeding* 118: 395-398.
10150. Imtiaz M, Ahmad M, Cromey MG, Griffin WB & Hampton JG 2004 Detection of molecular markers linked to the durable adult plant stripe rust resistance gene *Yr18* in bread wheat (*Triticum aestivum*). *Plant Breeding* 123: 401-404.
10151. Simon MR, Ayala FM, Corda CA, Roder MS & Boerner A 2004 Molecular mapping of quantitative trait loci determining resistance to septoria tritici blotch caused by *Mycosphaerella graminicola*. *Euphytica* 138: 41-48.
10152. Oelke LM & Kolmer JA 2004 Characterization of leaf rust resistance in hard red spring wheat cultivars. *Plant Disease* 88: 1127-1133.
10153. Lamari L, McCallum GD & Depauw RM 2005 Forensic pathology of Canadian bread wheat: the case for tan spot. *Phytopathology* 95: 144-152.
- 10154.
10155. Singh PH & Hughes GR 2005 Genetic control of resistance to tan necrosis induced by *Pyrenophora tritici-repentis*. *Phytopathology* 95: 172-177.
10156. Sharma HC, HW Ohm & KL Perry 1997 Registration of barley yellow dwarf virus resistant wheat germplasm line P29. *Crop Science* 37: 1032-1033.
10157. Ohm HW, Anderson JM, Sharma HC, Ayala NL, Thompson N & Uphaus JJ 2005 Registration of yellow dwarf virus resistant wheat germplasm line P961341. *Crop Science* 45: 805-806.
10158. Crasta OR, Francki MG, Bucholoz DB, Sharma HC, Zhang J, Wang R-C, Ohm HW & Anderson JM 2000 Identification and characterization of wheat-wheat grass translocation lines and localization of barley yellow dwarf virus resistance. *Genome* 43: 698-706.
10159. Kong L, Anderson JM & Ohm HW 2009 Segregation distortion in common wheat of Thinopyrum intermedium chromosome 7B carrying Bdv3 and development of a Bdv3 marker. *Plant Breeding* 128: 591-597.
10160. Singh RP & Huerta-Espino J 2001 Global monitoring of wheat rusts, and assessment of genetic diversity and vulnerability of popular cultivars. *Research Highlights on the CIMMYT Wheat Program, 1999-2000*. CIMMYT, Mexico, D.F. Pp38-40.
10161. Gonzalez-Hernandez JL, Elias EM & Kianian SF 2004 Mapping genes for grain protein concentration and grain yield on chromosome 5B of *Triticum turgidum* (L.) var. *dicoccoides*. *Euphytica* 139: 217-225.
10162. Marais GF 2001 An evaluation of three *Sr27* carrying wheat x rye translocations. *South African Journal of Plant and Soil* 18(3): 135-136.
10163. Ogonnaya FC, Subrahmanyam NC, Moullet O, De Majnik J, Eagles HA, Brown JS, Eastwood RF, Kollmorgen J, Appels R & Lagudah ES 2001 Diagnostic DNA markers for cereal cyst nematode resistance in bread wheat. *Australian Journal of Agricultural Research* 52: 1367-1374.
10164. Kato K & Maeda H 1993 Gametophytic pollen sterility caused by three complementary genes in wheat, *Triticum aestivum* L. *Proceedings of the 8th International Wheat Genetics*

- Symposium, Beijing (Li ZS & Xin ZY, eds) 2: 871-875.
10165. Kato K 2005 Personal communication.
10166. Thomas JB, Conner RL & Graf RJ 2004 Comparison of different sources of vector resistance for controlling wheat streak mosaic in winter wheat. *Crop Science* 44: 125-130.
10167. Mater Y, Baenziger S, Gill K, Graybosch R, Witcher L, Baker C, Specht J & Dweikat I 2004 Linkage mapping of powdery mildew and greenbug resistance genes in recombinant 1RS from 'Amigo' and 'Kavkaz' wheat-rye translocations of chromosome 1RS.1AL. *Genome* 47: 292-298.
10168. Gazza L, Nocente E, Ng PKW & Pogna NE 2005 Genetic and biochemical analysis of common wheat cultivars lacking puroindoline a. *Theoretical and Applied Genetics* 110: 470-478.
10169. Weng Y, Li W, Devkota RN & Rudd JC 2005 Microsatellite markers associated with two *Aegilops tauschii*-derived greenbug resistance loci in wheat. *Theoretical and Applied Genetics* 110: 462-469.
10170. McCartney CA, Somers DJ, McCallum BD, Thomas JG, Humphreys DG, Menzies JG & Brown PD 2005 Microsatellite tagging of the leaf rust resistance gene *Lr16* on wheat chromosome 2BSc. *Molecular Breeding* 15: 329-337.
10171. Zhu LC, Smith CM, Fritz A, Boyko EV & Flynn MB 2004 Genetic analysis and molecular mapping of a wheat gene conferring tolerance to the greenbug (*Shizaphis graminum* Rondani). *Theoretical and Applied Genetics* 109: 289-293.
10172. Paillard S, Schnurbusch T, Tiwari R, Messmer M, Winzeler M, Keller B & Schachermayr G 2004 QTL analysis of resistance to a Fusarium head blight in Swiss winter wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 109: 323-333.
10173. McCartney CA, Somers DJ, Fedak G & Cao W 2004 Haplotype diversity at Fusarium head blight resistance QTLs in wheat. *Theoretical and Applied Genetics* 109: 261-271.
10174. Steiner B, Lemmens M, Griesser M, Scholz U, Schondelmaier J & Buerstmayr H 2004 Molecular mapping of resistance to *Fusarium* head blight in the spring wheat cultivar Frontana. *Theoretical and Applied Genetics* 109: 215-224.
10175. Singrun CH, Hsam SLK, Zeller FJ, Wenzel G & Mohler V 2004 Localization of a novel powdery mildew resistance gene from common wheat line RD30 in the terminal region of chromosome 7AL. *Theoretical and Applied Genetics* 109: 210-214.
10176. Ma ZQ, Wei JB & Cheng SH 2004 PCR-based markers for the powdery mildew resistance gene *Pm-4a* in wheat. *Theoretical and Applied Genetics* 109: 140-145.
10177. Zhang ZY, Xu JS, Xu XJ, Larkin P & Xin ZY 2004 Development of novel PCR markers linked to the BYDV resistance gene *Bdv2* useful in wheat for marker assisted selection. *Theoretical and Applied Genetics* 109: 433-439.
10178. Kolmer JA 2001 Physiologic specialization of *Puccinia triticina* in Canada in 1998. *Plant Disease* 85: 155-158.
10179. Kolmer JA & Liu JQ 2002 Inheritance of leaf rust resistance in the wheat cultivars AC Majestic, AC Splendor, and AC Karma. *Canadian Journal of Plant Pathology* 24: 327-331.
10180. Brown-Guedira G 2005 Personal communication.
10181. Knox R 2005 Personal communication.
10182. Watanabe N, Kobal SF and Koval VS 2003 Wheat Near-Isogenic Lines. Sankeisha, Kitaku, Nagoya 462-0056, Japan
- 10183.
10184. Ramburan VP, Pretorius ZA, Louw JH, Boyd LA, Smith PH, Boshoff WHP & Prins R 2004 A genetic analysis of adult plant resistance to stripe rust in the wheat cultivar Kariega.

- Theoretical and Applied Genetics 108: 1426-1433.
10185. Zhang W, Gianibelli MC, Rampling LR & Gale KR 2004 Characterization and marker development for low molecular weight glutenin genes from *Glu-A3* alleles of bread wheat (*Triticum aestivum* L.) Theoretical and Applied Genetics 108: 1409-1419.
10186. Xu SS, Khan K, Klindworth DL, Faris JD & Nygard G 2004 Chromosome location of genes from novel glutenin subunits and gliadins in wild emmer (*Triticum turgidum* var. *dicoccoides*). Theoretical and Applied Genetics 108: 1221-1228.
10187. Saito M, Konda M, Vrinten AP, Nakamura K & Nakamura T 2004 Molecular comparison of waxy null alleles in common wheat and identification of a unique null allele. Theoretical and Applied Genetics 108: 1205-1211.
10188. Anderson GR, Papa D, Peng JH, Tahir M & Lapitan NLV 2003 Genetic mapping of *Dn7*, a rye gene conferring resistance to Russian wheat aphid in wheat. Theoretical and Applied Genetics 107: 1297-1303.
10189. Sommers DJ, Isaac P & Edwards K 2004 A high density microsatellite consensus map for bread wheat. Theoretical and Applied Genetics 109: 1105-1114.
10190. Lin F, Kong ZX, Zhu HL, Zue SL, Wu JZ, Tian DG, Wei JB, Zhang CQ & Ma ZQ 2004 Mapping QTL associated in with resistance to Fusarium head blight in the Nanda2419 X Wangshuibai population. I. Type II resistance. Theoretical and Applied Genetics 109: 1504-1511.
10191. Ling HQ, Qiu JW, Singh RP & Keller B 2004 Identification and characterization of an *Aegilops tauschii* ortholog of the wheat leaf rust disease resistance gene *Lr1*. Theoretical and Applied Genetics 109: 1133-1138.
10192. Boyko E, Starkey S & Smith M 2004 Molecular mapping of *Gby*, a new greenbug resistance gene in bread wheat. Theoretical and Applied Genetics 109: 1230-1236.
10193. Spielmeyer W & Richards RA 2004 Comparative mapping of wheat chromosome 1AS which contains the tiller inhibition gene (*tin*) with rice chromosome 5S. Theoretical and Applied Genetics 109: 1303-1310.
10194. Li H, Chen X, Xin ZY, Ma YZ, Xu HJ, Chen XY & Jia X 2005 Development and identification of wheat-*Haynaldia villosa* 6DL.6VS chromosome translocation lines conferring resistance to powdery mildew. Plant Breeding 124: 203-205.
10195. Osa M, Kato K, Mori M, Shindo C, Torada A & Miura H 2003 Mapping QTLs for seed dormancy and the *Vpl* homologue on chromosome 3A in wheat. Theoretical and Applied Genetics 106: 1491-1498.
10196. Butow BJ, Gale KR, Ikea J, Juhasz A, Bedo Z, Tamas L & Gianibelli MC 2004 Dissemination of the highly expressed Bx7 glutenin subunit (*Glu-B1a1* allele) in wheat as revealed by novel PCR markers and RP-HPLC. Theoretical and Applied Genetics 109: 1525-1535.
10197. Juhasz A, Gardonyi M, Tamas L & Bedo Z 2003 Characterization of the promoter region of *Glu-1Bx7* gene from overexpressing lines of an old Hungarian wheat variety. Proceedings of the 10th International Wheat Genetics Symposium Vol 3 : 1348-1350 (Pogna NE, Romano N, Pogna EA & Galtterio G eds.). Istituto Sperimentale per la Cerealicoltura, Rome.
10198. Yan L, Helguera M, Kato K, Fukuyama S, Sherman J & Dubcovsky J 2004 Variation at the *VRN-1* promoter region in polyploidy wheat. Theoretical and Applied Genetics 109: 1677-1686.
10199. Huang XQ, Hsam SLK, Mohler V, Roder MS & Zeller FJ 2004 Genetic mapping of three alleles at the *Pm3* locus conferring powdery mildew resistance in common wheat (*Triticum aestivum* L.). Genome 47: 1130-1136.
10200. Zhou WC, Kolb FL, Yu JB, Bai GH, Boze LK & Domier IL 2004 Molecular

- characterization of *Fusarium* head blight resistance in Wangshuibai with simple sequence repeat and amplified fragment polymorphism markers. *Genome* 47: 1137-1143.
10201. Wang ZL, Li LH, He ZH, Duan XY, Zhou YL, Chen XM, Lillemo M, Singh RP, Wang H & Xia ZC 2005 Seedling and adult plant resistance to powdery mildew in Chinese bread wheat cultivars and lines. *Plant Disease* 89: 457-463.
10202. Fu D, Szucs P, Yan L, Helguera M, Skinner JS, Hayes P & Dubcovsky J 2005 Large deletions in the first intron of the VRN-1 vernalization gene are associated with spring growth habit in barley and polyploid wheat. *Molecular and General Genomics* 273: 54-65.
10203. Marais GF, Pretorius ZA, Wellings CR, McCallum B & Marais AS 2005 Leaf and stripe rust resistance genes transferred to common wheat from *Triticum dicoccoides*. *Euphytica* 143: 115-123.
10204. Marais GF, Pretorius ZA, Wellings CR & Marais AS 2003 Transfer of rust resistance genes from *Triticum* species to common wheat. *South African Journal of Plant and Soil* 20: 193-198.
10205. Zhu ZD, Zhou RG, Kong XY, Dong YC & Jia JZ 2005 Microsatellite markers linked to 2 powdery mildew resistance genes introgressed from *Triticum carthlicum* accession PS5 into common wheat. *Genome* 48: 585-590.
10206. Cook JP, Wichman DM, Martin JM, Bruckner PL & Talbert LE 2004 Identification of microsatellite markers associated with a stem solidness locus in wheat. *Crop Science* 44: 1397-1402.
10207. Haen KM, Lu HJ, Friesen TL & Faris JD 2004 Genomic targeting and high-resolution mapping of the *Tsn1* gene in wheat. *Crop Science* 44: 951-962.
10208. Chen F, He Z-H, Xia X-C, Xia L-Q, Zhang X-Y, Lillemo M & Morris CF 2006 Molecular and biochemical characterization of puroindoline a and b alleles in Chinese landraces and historical cultivars. *Theoretical and Applied Genetics* 112: 400-409.
10209. Ram S, Jain N, Shoran J & Singh R 2005 New frame shift mutation in puroindoline b in Indian wheat cultivars Hyb65 and NI5439. *Journal of Plant Biochemistry and Biotechnology* 14: 45-48.
10210. Feng J, Ma H & Hughes GR 2004 Genetics of resistance to *Stagonospora nodorum* blotch of hexaploid wheat. *Crop Science* 44: 2043-2048.
10211. Xu XY, Bai GH, Carver BF, Shaner GE & Hunger RM 2005 Molecular characterization of slow leaf-rusting resistance in wheat. *Crop Science* 45: 758-765.
10212. Zeller FJ & Hsam SLK 1998 Progress in breeding for resistance to powdery mildew in common wheat (*Triticum aestivum* L.) Proceedings 9th International Wheat Genetics Symposium, (Slinkard AE, ed.) University of Saskatchewan Extension Press, Saskatoon, Canada 1: 178-180.
10213. Yang ZP, Gilbert J, Fedak G & Somers DJ 2005 Genetic characterization of QTL associated with resistance to *Fusarium* head blight in a doubled-haploid spring wheat population. *Genome* 48: 187-196.
10214. Cuthbert PA, Somers DJ, Thomas J, Cloutier S & Brule-Babel A 2006 Fine mapping *Fhb1*, a major gene controlling *Fusarium* head blight resistance in bread wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 112: 1465-1472.
10215. Martinez MC, Ruiz M & Carrillo JM 2004 New B low *Mr* glutenin subunit alleles at the *Glu-A3*, *Glu-B2* and *Glu-B3* loci and their relationship with gluten strength in durum wheat. *Journal of Cereal Science* 40: 101-107.
10216. Castro AM, Vasicek A, Manifiesto M, Gimenez DO, Taculiti MS, Dobrovilskaya O, Roder MS, Snape JW & Borner A 2005 Mapping antixenosis genes on chromosome 6A to greenbug and to a new biotype of Russian wheat aphid. *Plant Breeding* 124: 229-233.

10217. Chen XM, Luo YH, Xia XC, Xia LQ, Chen X, Ren ZL, He ZH & Jia JZ 2005 Chromosomal location of powdery mildew resistance gene *Pm16* in wheat using SSR marker analysis. *Plant Breeding* 124: 225-228.
10218. Suanaga K, Khairallah M, William HM & Hoisington DA 2005 A new intervarietal linkage map and its application for quantitative trait locus analysis of "gigas" features in bread wheat. *Genome* 48: 65-75.
10219. Park RP, Ash GJ & Rees RG 1992 Effects of temperature on the response of some Australian wheat cultivars to *Puccinia striiformis* f.sp. *tritici*. *Mycological Research* 96: 166-170.
10220. Bariana HS, Hayden MJ, Ahmed NU, Bell JA, Sharp PJ & McIntosh RA 2001 Mapping of durable adult plant and seedling resistances to stripe rust and stem rust diseases in wheat. *Australian Journal of Agricultural Research* 52: 1247-1255.
10221. Navabi A, Tewari JP, Singh RP, McCallum B, Laroche A & Briggs KG 2005 Inheritance and QTL analysis of durable resistance to stripe and leaf rusts in an Australian cultivar, *Triticum aestivum* 'Cook'. *Genome* 48: 97-107.
10222. Zhou WC, Kolb FL, Domier LL & Wang SW 2005 SSR markers associated with fertility restoration genes against *Triticum timopheevii* cytoplasm in *Triticum aestivum*. *Euphytica* 141: 33-40.
10223. Oelke LM & Kolmer JA 2005 Genetics of leaf rust resistance in spring wheat cultivars Olsen and Norm. *Phytopathology* 95: 773-778.
10224. Marais GF, McCallum B & Marais AS 2006 Leaf rust and stripe rust resistance genes derived from *Triticum sharonense*. *Euphytica* 149: 373-380.
10225. Cuthbert PA, Somers DJ & Brule-Babel A 2007 Mapping of *Fhb2* on chromosome 6BS: a gene controlling Fusarium head blight field resistance in bread wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 114: 429-437.
10226. Jones RAC, Coutts BA, Mackie AE & Dwyer GI 2005 Seed transmission of *Wheat streak mosaic virus* shown unequivocally in wheat. *Plant Disease* 89: 1049-1050.
10227. Watanabe N, Takasada N, Shibata Y & Ban T 2005 Genetic mapping of the genes for glaucous leaf and tough rachis in *Aegilops tauschii*, the D-genome progenitor of wheat. *Euphytica* 144: 119-123.
10228. Luo PG, Ren ZL, Zhang HQ & Zhang HY 2005 Identification, chromosome location, and diagnostic markers for a new gene (*YrCN19*) for resistance to wheat stripe rust. *Phytopathology* 95: 1266-1270.
10229. Distelfeld A, Uauy C, Olmos S, Schlatter AR, Dubcovsky J & Fahima T 2004 Microcolinearity between a 2-cM region encompassing the grain protein content locus *Gpc-6B1* on wheat chromosome 6B and a 350-kb region on rice chromosome 2. *Functional and Integrative Genomics* 4: 59-66.
10230. Pozniak CJ, Knox RE, Clarke FR & Clarke JM 2007 Identification of QTL and association of a phytoene synthase gene with endosperm colour in durum wheat. *Theoretical and Applied Genetics* 114: 525-537.
10231. Kong L, Ohm HW, Cambron SE & Williams CE 2005 Molecular mapping determines that Hessian fly resistance gene *H9* is located on chromosome 1A of wheat. *Plant Breeding* 124: 525-531.
10232. Collard BCY, Grams RA, Bovill WD, Percy CD, Jolley R, Lehmensiek A, Wildermuth G & Sutherland MW 2005 Development of molecular markers for crown rot resistance in wheat: mapping of QTLs for seedling resistance in a '2-49' x 'Janz' population. *Plant Breeding* 124: 532-537.
10233. Mishra AN, Kaushal K, Shirsekar GS, Yadav SR, Brama RN & Pandey HN 2005 Genetic

- basis of seedling-resistance to leaf rust in bread wheat 'Thatcher'. *Plant Breeding* 124: 514-516.
10234. Goncharov NP & Gaidalenok RF 2005 Localization of genes controlling spherical grain and compact ear in *Triticum antiquorum* Heer ex Udacz. *Russian Journal of Genetics* 41: 1262-1267.
10235. Jan Y, Hsam SLK, Yu JZ, Jiang Y, Ohtsuka I & Zeller FJ 2003 HMW and LMW glutenin alleles among putative tetraploid and hexaploid European spelt wheat (*Triticum spelta* L.) progenitors. *Theoretical and Applied Genetics* 106: 1321-1330.
10236. Cherukuri DP, Gupta PK, Charpe A, Koul S, Prabhu KV, Singh RB & Haq QMR 2005 Molecular mapping of *Aegilops speltoides* derived leaf rust resistance gene *Lr28* in wheat. *Euphytica* 143: 19-26.
10237. Makandar R, Essig JS, Schapaugh MA, Trick HN & Shah J 2006 Genetically engineered resistance to Fusarium head blight in wheat by expression of *Arabidopsis* NPR1. *Molecular Plant-Microbe Interactions* 19: 123-129.
10238. Santra DK, Watt C, Little L, Kidwell KK & Campbell KG 2006 Comparison of a modified assay method for the endopeptidase marker *Ep-D1b* with the Sequence Tag Site marker *XustSSR2001-7DL* for strawbreaker foot rot resistance in wheat. *Plant Breeding* 125: 13-18.
10239. Chen J, Griffey CA, Saghai-Marooof MA, Stromberg EL, Bivashev RM, Zhou W, Chappell MR, Pridgen TH, Dong Y & Zeng Z 2006 Validation of two major quantitative trait loci for Fusarium head blight resistance in Chinese wheat line W14. *Plant Breeding* 125: 99-101.
10240. Griffiths S, Sharp R, Foote TN, Bertin I, Wanous M, Reader S, Colas I & Moore G 2006 Molecular characterization of *Ph1* as a major chromosome pairing locus in polyploid wheat. *Nature* 439: 749-752.
10241. Miranda LM, Murphy JP, Leath S & Marshall DS 2006 *Pm34*: a new powdery mildew resistance gene transferred from *Aegilops tauschii* Coss. to common wheat. *Theoretical and Applied Genetics* 113: 1497-1504.
10242. Watanabe N 2005 The occurrence and inheritance of a brittle rachis phenotype in Italian durum wheat cultivars. *Euphytica* 142: 247- 251.
10243. Gilsinger J, Kong L, Shen X & Ohm H 2005 DNA markers associated with low Fusarium head blight incidence and narrow flower opening in wheat. *Theoretical and Applied Genetics* 110: 1218-1225.
10244. Gupta SK, Charpe A, Koul S, Prabhu KV & Haq QMR 2005 Development and validation of molecular markers linked to an *Aegilops umbellulata*-derived leaf-rust-resistance gene, *Lr9*, for marker-assisted selection in bread wheat. *Genome* 48: 823-830.
10245. Mori M, Uchino N, Chono M, Kato K & Miura H 2005 Mapping QTLs for grain dormancy on wheat chromosome 3A and the group 4 chromosomes, and their combined effect. *Theoretical and Applied Genetics* 110: 1315-1323.
10246. Valarik M, Linkiewicz AM & Dubcovsky J 2006 A microcolinearity study at the earliness *per se* gene *Eps-A<sup>m</sup>1* region reveals an ancient duplication that preceded the wheat-rice divergence. *Theoretical and Applied Genetics* 112: 945-967.
10247. Ma W, Appels R, Bekes F, Larroque O, Morell MK & Gale KR 2005 Genetic characterization of dough rheological properties in a wheat doubled haploid population: additive genetic effects and epistatic interactions. *Theoretical and Applied Genetics* 111: 410-422.
10248. Faris JD & Friesen TL 2005 Identification of quantitative trait loci for race-nonspecific resistance to tan spot in wheat. *Theoretical and Applied Genetics* 111: 386-392.
10249. Ellis MH, Rebetzke GJ, Azanza F, Richards RA & Spielmeier W 2005 Molecular mapping of gibberellin-responsive dwarfing genes in bread wheat. *Theoretical and Applied Genetics*

- 111: 423-430.
10250. Aguilar V, Stamp P, Winzeler M, Schachermayr, Keller B, Zanetti S & Messmer MM 2005 Inheritance of field resistance to *Stagonospora nodorum* leaf and glume blotch and correlations with other morphological traits in hexaploid wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 111: 325-336.
10251. Liu XM, Gill BS & Chen M-S 2005 Hessian fly resistance gene *H13* is mapped to a distal cluster of resistance genes in chromosome 6DS of wheat. *Theoretical and Applied Genetics* 111: 243-249.
10252. Liu XM, Fritz AK, Reese JC, Wilde GE, Gill BS & Chen M-S 2005 *H9*, *H10*, and *H22* compose a cluster of Hessian fly-resistance genes in the distal gene-rich region of wheat chromosome 1AS. *Theoretical and Applied Genetics* 111: 1473-1480.
10253. Obert DE, Fritz AK, Moran JL, Singh S, Rudd JC & Menz MA 2005 Identification and molecular tagging of a gene from PI 289824 conferring resistance to leaf rust (*Puccinia triticina*) in wheat. *Theoretical and Applied Genetics* 111: 1439-1444.
10254. Steed A, Chandler E, Thomsett M, Gosman N, Faure S & Nicholson P 2005 Identification of type 1 resistance to Fusarium head blight controlled by a major gene located on chromosome 4A of *Triticum macha*. *Theoretical & Applied Genetics* 111: 521-529.
10255. Zhang WJ, Lukaszewski AJ, Kolmer J, Soria A, Goyal S & Dubcovsky J 2005 Molecular characterization of durum and common wheat recombinant lines carrying leaf rust resistance (*Lr19*) and yellow pigment (*Y*) genes from *Lophopyrum ponticum*. *Theoretical and Applied Genetics* 111: 573-582.
10256. Liu ZH, Anderson JA, Hu J, Friesen TL, Rasmussen JB & Faris JD 2005 A wheat genetic linkage map based on microsatellite and target region amplified polymorphism markers and its utility for detecting quantitative trait loci. *Theoretical and Applied Genetics* 111: 782-794.
10257. Mago R, Bariana HS, Dundas IS, Spielmeyer W, Lawence GJ, Pryor AJ & Ellis JG 2005 Development of PCR markers for the selection of wheat stem rust resistance genes *Sr24* and *Sr26* in diverse wheat germplasm. *Theoretical and Applied Genetics* 111: 496-504.
10258. Liu WH, Nie HA, Wang SB, Li X, He ZT, Han CG, Wang XL, Li LH & Yu JL 2005 Mapping a resistance gene in wheat cultivar Yanfu 9311 to yellow mosaic virus, using microsatellite markers. *Theoretical and Applied Genetics* 111: 651-657.
10259. Spielmeyer W, McIntosh RA, Kolmer J & Lagudah ES 2005 Powdery mildew resistance and *Lr34/Yr18* genes for durable resistance to leaf and stripe rust co-segregate at a locus on the short arm of chromosome 7D of wheat. *Theoretical and Applied Genetics* 111: 731-735.
10260. Schmolke M, Zimmerman G, Buerstmayer H, Schweizer G, Miedaner T, Korzun V, Ebmeyer E & Hartl L 2005 Molecular mapping of Fusarium head blight resistance in the winter wheat population Dream/Lynx. *Theoretical and Applied Genetics* 111: 747-756.
10261. Kulwal PL, Kumar N, Gaur A, Khurana P, Khurana JP, Tyagi AK, Balyan HS & Gupta PK 2005 Mapping a major QTL for pre-harvest sprouting tolerance on chromosome 3A in bread wheat. *Theoretical and Applied Genetics* 111: 1052-1059.
10262. Liu XM, Brown-Guedira GL, Hatchett JO & Chen M-S 2005 Genetic characterization and molecular mapping of a Hessian fly-resistance gene transferred from *T. turgidum* ssp. *dicoccum* to common wheat. *Theoretical and Applied Genetics* 111: 1308-1315.
10263. Khan RR, Bariana HS, Dholakia BB, Naik SV, Lagu MD, Rathjen AJ, Bhavani S & Gupta VS 2005 Molecular mapping of stem and leaf rust resistance in wheat. *Theoretical and Applied Genetics* 111: 846-850.
10264. Mardi M, Buerstmayer H, Ghareyazie B, Lemmens M, Mohammadi SA, Nolz R & Ruckebauer P 2005 QTL analysis of resistance to Fusarium head blight in wheat using a 'Wangshuibai'-derived population. *Plant Breeding* 124: 329-333.



10265. Ma HX, Bai GH, Carver BF & Zhou LL 2005 Molecular mapping of a quantitative trait locus for aluminum tolerance in wheat cultivar Atlas 66. *Theoretical and Applied Genetics* 112: 51-57.
10266. Sasaki T, Yamamoto Y, Ezaki B, Katsuhara M, Ahn SJ, Ryan PR, Delhaizie E & Matsumoto H 2004 A wheat gene encoding an aluminum-activated malate transporter. *Plant Journal* 37: 645-653.
10267. Zhu LC, Smith CM, Fritz A, Boyko E, Voothuluru P & Gill BS 2005 Inheritance and molecular mapping of new greenbug resistance genes in wheat germplasm derived from *Aegilops tauschii*. *Theoretical and Applied Genetics* 111: 831-837.
10268. Jia GF, Chen PD, Qin GJ, Bai GH, Wang XU, Wang SL, Zhou B, Zhang SZ & Liu DJ 2005 QTLs for Fusarium head blight response in a wheat DH population of Wangshuibai / Alondra 's'. *Euphytica* 146: 183-191.
10269. Xu XY, Bai GH, Carver BF & Shaner GE 2005 A QTL for early heading in wheat cultivar Suwon 92. *Euphytica* 146: 233-237.
10270. Jin Y & Singh RP 2006 Resistance in U.S. wheat to recent eastern African isolates of *Puccinia graminis* f. sp. *tritici* with virulence to resistance gene *Sr31*. *Plant Disease* 90: 476-480.
10271. Zheng QP, Li QA, Wang XU, Wang HY, Lang SP, Wang YN, Wang SL, Chen PD & Liu DJ 2005 Development and characterization of a *Triticum aestivum*-*Haynaldia villosa* translocation line T4VS.4DL conferring resistance to wheat spindle streak mosaic virus. *Euphytica* 145: 317-320.
10272. Uauy C, Brevis JC, Chen XM, Khan I, Jackson L, Chicaiza O, Distenfeld A, Fahima T & Dubcovsky J 2005 High-temperature adult-plant stripe rust resistance gene *Yr36* from *Triticum turgidum* ssp. *dicoccoides* is closely linked to the grain protein content locus *Gpc-B1*. *Theoretical and Applied Genetics* 112: 97-105.
10273. Narasimhamoorthy B, Gill GS, Fritz AK, Nelson JC & Brown-Guerdira GL 2006 Advanced backcross QTL analysis of a hard winter wheat X synthetic wheat population. *Theoretical and Applied Genetics* 112: 787-796.
10274. Srnicek G, Murphy JP, Lyerly JH, Leath S & Marshall DS 2005 Inheritance and chromosomal assignment of powdery mildew resistance genes in two winter wheat germplasm lines. *Crop Sci* 45: 1578-1586.
10275. Mares D, Mrva K, Cheong J, Williams K, Watson B, Storlie E, Sutherland M & Zou Y 2005 A QTL located on chromosome 4A associated with dormancy in white- and red-grained wheats of diverse origin. *Theoretical and Applied Genetics* 111: 1357-1364.
10276. Yang J, Bai GH, & Shaner GE 2005 Novel quantitative trait loci (QTL) for Fusarium head blight resistance in wheat cultivar Chokwang. *Theoretical and Applied Genetics* 111: 1571-1579.
10277. Tolmay VL, Du Toit F & Smith CM 2005 Registration of seven Russian wheat aphid resistant near isogenic lines developed in South Africa. *Crop Science* 46: 478-480.
10278. Groenewald JZ, Fourie M, Marais AS & Marais GF 2005 Extension and use of physical map of the *Thinopyrum*-derived *Lr19* translocation. *Theoretical and Applied Genetics* 112: 131-138.
10279. Mallard S, Gaudet D, Aldeia A, Abelard C, Bernard AL, Sourdille P & Dedryver F 2005 Genetic analysis of durable resistance to yellow rust in bread wheat. *Theoretical and Applied Genetics* 110: 1401-1409.
10280. Nalam VJ, Vales MI, Watson CJW, Kianian SF & Riera-Lizarazu O 2006 Map-based analysis of genes affecting the brittle rachis character in tetraploid wheat (*Triticum turgidum* L.). *Theoretical and Applied Genetics* 112: 373-381.

10281. Rosewarne GM, Singh RP, Huerta-Espino J, William HM, Bouchet S, Cloutier S, McFadden H & Lagudah ES 2006 Leaf tip necrosis, molecular markers and *beta1*-proteasome subunits associated with the slow rusting resistance genes *Lr46/Yr29*. *Theoretical and Applied Genetics* 112: 500-508.
10282. Lin F, Xue SL, Zhang ZZ, Zhang CQ, Kong ZX, Yao GQ, Tian DG, Zhu HL, Li CJ, Cao Y, Wei JB, Luo QY & Ma ZQ 2006 Mapping QTL associated with resistance to *Fusarium* head blight in the Nanda2419 x Wangshuibai population. II: Type I resistance. *Theoretical and Applied Genetics* 112: 528-535.
10283. Christiansen MJ, Feenstra B, Skovgaard IM & Andersen SB 2006 Genetic analysis of resistance to yellow rust in hexaploid wheat using a mixture model for multiple crosses. *Theoretical and Applied Genetics* 112: 581-591.
10284. Liu DC, Zhang HY, Wang J, Sun JH, Guo XL & Zhang AM 2005 Allelic variation, sequence determination and microsatellite screening at the *Xgwm261* locus in Chinese hexaploid wheat (*Triticum aestivum*) varieties. *Euphytica* 145: 102-112.
10285. Raman H, Zhang K, Cakir M, Appels R, Garvin DF, Maron LG, Kochian LV, Moroni JS, Raman R, Imtiaz M, Drake-Brochman F, Waters I, Martin P, Sasaki T, Yamamoto Y, Matsumoto H, Hebb DM, Delhaize E & Ryan PR 2005 Molecular characterization and mapping of ALMY1, the aluminium-tolerance gene of bread wheat (*Triticum aestivum* L.). *Genome* 48: 781-791.
10286. Delhaize E, Ryan PR, Hebb DM, Yamamoto Y, Sasaki T & Matsumoto H 2004 Engineering high-level aluminum tolerance in barley with the ALMT1 gene. *Proceedings of the National Academy of Sciences USA* 101: 15249-15254.
10287. McCartney CA, Somers DJ, Humphreys DG, Lukow O, Ames N, Noll J, Cloutier S & McCallum BD 2003 Mapping quantitative trait loci controlling agronomic traits in the spring wheat cross RL4452 x 'AC Domain'. *Genome* 48: 870-883.
10288. Beales J, Laurie DA & Devos KM 2005 Allelic variation at the *AP1* and *PhyC* loci in hexaploid wheat is associated but not perfectly correlated with vernalization response. *Theoretical and Applied Genetics* 110: 1099-1107.
10289. Devos KM, Beales J, Ogihara Y & Doust AN 2005 Comparative sequence analysis of the *Phytochrome C* gene and its upstream region in allohexaploid wheat reveals new data on the evolution of its three constituent genomes. *Plant Molecular Biology* 58: 625-641.
10290. Sun DJ, He ZH, Xia XC, Zhang LP, Morris CF, Appels R, Ma WJ & Wang H 2005 A novel STS marker for polyphenol oxidase activity in bread wheat. *Molecular Breeding* 16: 209-218.
10291. Thomas J, Fineberg N, Penner G, McCartney C, Aung T, Wise I & McCallum B 2005 Chromosome location and markers of *Sm1*: a gene of wheat that conditions antibiotic resistance to orange wheat blossom midge. *Molecular Breeding* 15: 183-192.
10292. Srichumpa P, Brunner S, Keller B & Yahiaoui N 2005 Allelic series of four powdery mildew resistance genes at the *Pm3* locus in hexaploid bread wheat. *Plant Physiology* 139: 885-895.
10293. ter Steege MW, den Ouden FM, Lambers H, Stam P, Peeters AJM 2005 Genetic and physiological architecture of early vigor in *Aegilops tauschii*, the D-genome donor of hexaploid wheat. A quantitative trait loci analysis. *Plant Physiology* 139: 1078-1094.
10294. Kane NA, Danyluk J, Tardif G, Ouellet F, Laliberte' J-F, Limin AED, Fowler B & Sarhan F 2005 TaVRT-2, a member of the StMADS-11 clade of flowering repressors, is regulated by vernalization and photoperiod in wheat. *Plant Physiology* 138: 2354-2363.
10295. Kubo A, Rahman S, Utsumi Y, Li ZY, Mukai Y, Yamamoto M, Ugaki M, Harada K, Satoh H, Konik-Rose C, Morell M & Nakamura Y 2005 Complementation of sugary-1 phenotype in rice endosperm with the wheat isoamylase 1 gene supports a direct role for isoamylase 1

- amylopectin biosynthesis. *Plant Physiology* 137: 43-56.
10296. Olmos S, Distelfeld A, Chicaiza O, Schlatter AR, Fahima T, Echenique V & Dubcovsky J 2003 Precise mapping of a locus affecting grain protein content in durum wheat. *Theoretical and Applied Genetics* 107: 1243-1251.
10297. Distelfeld A, Uauy C, Fahima T & Dubcovsky J 2006 Physical map of the wheat high-grain protein content gene *Gpc-B1* and development of a high-throughput marker. *New Phytologist* 169: 753-763.
10298. Uauy C, Brevis JC & Dubcovsky J 2006 The high grain protein content gene *Gpc-B1* accelerates senescence and has pleiotropic effects on protein content in wheat. *Journal of Experimental Botany* 57: 2785-2794.
10299. Yan L, Loukoianov A, Blechl A, Tranquilli G, Ramakrishna W, SanMiguel P, Bennetzen JL, Echenique V & Dubcovsky J 2004 The wheat VRN2 gene is a flowering repressor down-regulated by vernalization. *Science* 303: 640-1644.
10300. Loukoianov A, Yan L, Blechl A, Sanchez A & Dubcovsky J 2005 Regulation of VRN-1 vernalization genes in normal and transgenic polyploid wheat. *Plant Physiology* 138: 2364-2373.
10301. Dubcovsky J, Loukoianov A, Fu D, Valarik M, Sanchez A & Yan L 2005 Effect of photoperiod on the regulation of wheat vernalization genes VRN1 and VRN2. *Plant Molecular Biology* 60: 469-480.
10302. Miller AK, Galiba G & Dubcovsky J 2006 A cluster of eleven CBF transcription factors is located at the frost tolerance locus *Fr-A<sup>m</sup>2* in *Triticum monococcum*. *Molecular and General Genomics* 275: 193-203.
10303. Carrera A, Echenique V, Zhang W, Helguera M, Manthey F, Picca A, Cervigni G & Dubcovsky J 2007 A deletion at the *Lpx-B1* locus is associated with low lipoxygenase activity and improved pasta color in durum wheat (*Triticum turgidum* ssp. *durum*). *Journal of Cereal Science* 45: 67-77.
10304. Hua C, Takata K, Yang-Fen Z, Ikeda TM, Yanaka M, Nagamine T & Fujimaki H 2005 Novel high molecular weight glutenin subunits at the *Glu-D1* locus in wheat landraces from the Xinjiang District of China and relationship with winter habit. *Breeding Science* 55: 459-463.
10305. Ikeda TM, Ohnishi N, Nagamine T, Oda S, Hisatomi T & Yano H 2005 Identification of new puroindoline genotypes and their relationship to flour texture among wheat cultivars. *Journal of Cereal Science* 41: 1-6.
10306. Lu CM & Lu BR 2005 Molecular characterization of the HMW glutenin genes *D<sup>t</sup>x1.5 + D<sup>t</sup>y10* from *Aegilops tauschii* and their PCR-mediated recombinants. *Molecular Breeding* 15: 247-255.
10307. Nagy IJ, Takacs I, Juhasz A, Tamas L & Bedo Z 2005 Identification of a new class of recombinant prolamin genes in wheat. *Genome* 48: 840-847.
10308. Mackie AM, Lagudah ES, Sharp PJ & Lafiandra D 1996 Molecular and biochemical characterisation of HMW glutenin subunits from *T. tauschii* and the D genome of hexaploid wheat. *Journal of Cereal Science* 23: 213-225.
10309. Kirby J, Vinh HT, Reader SM & Dudnikov A Ju 2005 Genetic mapping of the *AcpH1* locus in *Aegilops tauschii*. *Plant Breeding* 124: 523-524.
10310. Heyns I, Groenewald E, Marais F, Du Toit F & Tolmay V 2006 Chromosomal location of the Russian wheat aphid resistance gene, *Dn5*. *Crop Science* 46: 630-636.
10311. Huo HL, Luo J & He GY 2006 Cloning and sequence analysis of *Pina* mutations in *Aegilops*. GenBank entry, unpublished.
10312. Law CN, Bhandari DG, Salmon SE, Greenwell PW, Foot IM, Cauvain SP, Sayers EJ &

- Worland AJ 2005 Novel genes on chromosome 3A influencing breadmaking quality in wheat, including a new gene for loaf volume, *Lvl 1*. *Journal of Cereal Science* 41: 317-326.
10313. Chen F, He Z, Xia X, Lillemo M & Morris C 2005 A new puroindoline b mutation present in Chinese winter wheat cultivar Jingdong 11. *Journal of Cereal Science* 42: 267-269.
10314. Chen M, Wilkinson M, Tosi P, He G & Shewry P 2005 Novel puroindoline and grain softness protein alleles in *Aegilops* species with the C, D, S, M and U genomes. *Theoretical and Applied Genetics* 111: 1159-1166.
10315. Simeone M, Gedye KR, Mason-Gamer R, Gill BS & Morris CF 2006 Conserved regulator elements identified from a comparative puroindoline gene sequence survey of *Triticum* and *Aegilops* diploid taxa. *Journal of Cereal Science* 44: 21-33.
10316. Chang C, Zhang H, Xu J, Li W, Li G, You M & Li B 2006 Identification of allelic variations of puroindoline genes controlling grain hardness in wheat using a modified denaturing PAGE. *Euphytica* 152: 225-234.
10317. Ahmed N, Maekawa M, Utsugi S, Rikiishia K, Ahmad A & Noda K 2006 The wheat *Rc* gene for red coleoptile colour codes for a transcriptional activator of late anthocyanin biosynthesis genes. *Journal of Cereal Science* 44: 54-58.
10318. Lei ZS, Gale KR, He ZH, Gianibelli C, Larroque O, Xia, XC, Butow BJ & Ma W 2006 Y-type gene specific markers for enhanced discrimination of high-molecular weight glutenin alleles at the *Glu-B1* locus in hexaploid wheat. *Journal of Cereal Science* 43: 94-101.
10319. Hassani ME, Gianibelli MC, Shariflou MR & Sharp PJ 2004 Molecular structure of a novel y-type HMW glutenin subunit gene present in *Triticum tauschii*. *Euphytica* 141: 191-198.
10320. Lu CM, Yang WY, Zhang WJ & Lu B-R 2005 Identification of SNPs and development of allelic specific PCR markers for high molecular weight glutenin subunit *D<sup>t</sup>x1.5* from *Aegilops tauschii* through sequence characterization. *Journal of Cereal Science* 41: 13-18.
10321. Kan Y, Wan Y, Beaudoin F, Leader DJ, Edwards K, Poole R, Wang D, Mitchell RAC & Shewry PR 2006 Transcriptome analysis reveals differentially expressed storage protein transcripts in seeds of *Aegilops* and wheat. *Journal of Cereal Science* 44: 75-85.
10322. Shailaja K, Rathore M, Puri N, Yadav D & Singh NK 2002 PCR amplification of the hypervariable region of wheat triticin genes. *Journal of Cereal Science* 35: 129-134.
10323. Wang J-R, Yan Z-H, Wei Y-M, Nevo E, Baum B & Zheng Y-L 2006 Molecular characterization of dimeric *alpha*-amylase inhibitor genes in wheat and development of genome allele-specific primers for the genes located on chromosome 3BS and 3DS. *Journal of Cereal Science* 43: 360-368.
10324. Wang J-R, Wei Y-M, Yan Z-H & Zheng Y-L 2005 Detection of single nucleotide polymorphisms in 24 kDa dimeric *alpha*-amylase inhibitors from cultivated wheat and its diploid putative progenitors. *Biochemica et Biophysica Acta* 1723: 309-320.
10325. Gale KR, Blundell MJ & Hill AS 2004 Development of a simple, antibody-based test for granule-bound starch synthase *Wx-B1b* (Null-4A) wheat varieties. *Journal of Cereal Science* 40: 85-92.
10326. Mateos-Hernandez M, Singh R, Hulbert SH, Bowden RL, Huerta-Espino J, Gill BS & Brown-Guedira G 2006 Targeted mapping of ESTs linked to the adult plant resistance gene *Lr46* in wheat using synteny with rice. *Functional & Integrative Genomics* 6: 122-131.
10327. An X, Li Q, Yan Y, Xiao Y, Hsam SLK & Zeller FJ 2005 Genetic diversity of European spelt wheat (*Triticum aestivum* ssp. *spelta* L. em Thell.) revealed by glutenin subunit variations at the *Glu-1* and *Glu-3* loci. *Euphytica* 146: 193-201.
10328. Kuraparthi V, Chunneja P, Dhaliwal HS, Kaur S, Bowden RL & Gill BS 2007 Characterization and mapping of cryptic alien introgression from *Aegilops geniculata* with new leaf rust and stripe rust resistance genes *Lr57* and *Yr40* in wheat. *Theoretical and*

- Applied Genetics 114: 1379-1389.
10329. Kuraparthy V, Sood S, Dhaliwal HS, Chhuneja P & Gill BS. 2007 Identification and mapping of a tiller inhibition gene (*tin3*) in wheat. *Theoretical and Applied Genetics* 114: 265-294.
10330. Torada A, Koike M, Mochida K & Ogihara Y. 2006 SSR-based linkage map with new markers using an intraspecific population of common wheat. *Theoretical and Applied Genetics* 112: 1042-1051.
10331. Li ZF, Zheng TC, He ZH, Li GQ, Xu SC, Li XP, Yang GY, Singh RP & Xia XC. 2006 Molecular tagging of stripe rust resistance gene *YrZh84* in Chinese wheat line Zhou 8425B. *Theoretical and Applied Genetics* 112: 1089-1103.
10332. Xing QH, Ru ZG, Zhou CJ, Xue X, Liang CY, Yang DE, Jin DM & Wang B. 2003 Genetic analysis, molecular tagging and mapping of the thermo-sensitive gene (*wtms1*) in wheat. *Theoretical and Applied Genetics* 107: 1500-1504.
10333. Guo RX, Sun DF, Tan ZB, Rong DF & Li CD. 2006 Two recessive genes controlling thermophotoperiod-sensitive male sterility in wheat. *Theoretical and Applied Genetics* 112: 1271-1276.
10334. Chu C-G, Faris JD, Friesen TL & Xu SS. 2006 Molecular mapping of hybrid necrosis genes *Ne1* and *Ne2* in hexaploid wheat using microsatellite markers. *Theoretical and Applied Genetics* 112: 1374-1381.
10335. Liang SS, Suenaga K, He ZH, Wang ZL, Liu HY, Wang DS, Singh RP, Sourdille P & Xia XC. 2006 Quantitative trait loci mapping for adult-plant resistance to powdery mildew in bread wheat. *Phytopathology* 96: 784-789.
10336. Bariana HS. 2003 Personal communication.
10337. Lu HJ, Fellers JP, Friesen TL, Meinhardt SW & Faris JD. 2004 Genomic analysis and marker development for the *Tsn1* locus in wheat using bin-mapped ESTs and flanking BAC contigs. *Theoretical and Applied Genetics* 112: 1132-1142.
10338. Blanco A, Simeone R & Gadaleta A. 2006 Detection of QTLs for grain protein content in durum wheat. *Theoretical and Applied Genetics* 112: 1195-1204.
10339. Li GQ, Li ZF, Yang WY, Zhang Y, He ZH, Xu SC, Singh RP, Qu TT & Xia XC. 2006 Molecular mapping of stripe rust resistance gene *YrCH42* in Chinese wheat cultivar Chuanmai 42 and its allelism with *Yr24* and *Yr26*. *Theoretical and Applied Genetics* 112: 1434-1440.
10340. Xu X-Y, Bai G-H, Carver BF, Shaner GE & Hunger RM. 2006 Molecular characterization of a powdery mildew resistance gene in wheat cultivar Suwon 92. *Phytopathology* 96: 496-500.
10341. Arraiano LS, Chartrain L, Bossolini E, Slatter HN, Keller B & Brown JKM. 2007 A gene in European wheat cultivars for resistance to an African isolate of *Mycosphaerella graminicola*. *Plant Pathology* 56: 73-78.
10342. Miranda LM, Murphy JP, Marshall D, Cowger C & Leath S. 2007 Chromosomal location of *Pm35*, a novel *Aegilops tauschii* derived powdery mildew resistance gene introgressed into common wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 114: 1451-1456.
10343. Williams KJ, Willsmore KL, Olson S, Matic M & Kuchel H. 2006 Mapping of a novel QTL for resistance to cereal cyst nematode in wheat. *Theoretical and Applied Genetics* 112: 1480-1486.
10344. Singh PK, Gonzalez-Hernandez JL, Mergoum M, Ali S, Adhikari TB, Kianian SF, Elias EM & Hughes GR. 2006 Identification and molecular mapping of a gene conferring resistance to *Pyrenophora tritici-repentis* race 3 in tetraploid wheat. *Phytopathology* 96: 885-889.
10345. Pathan AK & Park RF. 2006 Evaluation of seedling and adult plant resistance to leaf rust in

- European wheat cultivars. *Euphytica* 149: 327-342.
10346. Long DL, Leonard KJ & Roberts JJ 1998 Virulence and diversity of wheat leaf rust in the United States in 1993 to 1995. *Plant Disease* 82: 1391-1400.
10347. Cowling SG, Brule-Babel AL, Somers DJ & Lamari L 2006 Identification and mapping of *Stb13*, an isolate-specific wheat resistance gene to isolate MG96-36 (group 1) of *Mycosphaerella graminicola*. Manuscript
10348. Brule-Babel AL 2007 Personal communication.
10349. Mardi M, Pazouki L, Delavar H, Kazemi MB, Ghareyazie B, Steiner B, Nolz R, Lemmens M & Buerstmeier H 2006 QTL analysis of resistance to Fusarium head blight in wheat using a 'Frontana'-derived population. *Plant Breeding* 125: 313-317.
10350. Tadesse W, Hsam SLK & Zeller FJ 2006 Evaluation of common wheat cultivars for tan spot resistance and chromosomal location of a resistance gene in cultivar 'Salamouni'. *Plant Breeding* 125: 318-322.
10351. Houshmand S, Knox RE, Clarke FR & Clarke JM 2007 Microsatellite markers flanking a stem solidness gene on chromosome 3BL in durum wheat. *Molecular Breeding* 20: 261-270.
10352. Guan HT, Guo YH, Wang YB, Liu TG, Lin RM & Xu SC 2005 Microsatellite marker of the resistance gene *YrSpP* to wheat stripe rust. *Sci Agric Sin* 38: 1574-1577. (in Chinese).
10353. Gosal KS 2000 Aspects of Resistance to Wheat Stripe Rust in Australia. PhD Thesis, The University of Sydney
10354. Zhou KJ, Wang SH, Feng YQ, Liu ZX & Wang GX 2006 The 4E-*ms* system of producing hybrid wheat. *Crop Science* 46: 250-255.
10355. Zhou KJ, Wang SH, Feng YQ, Ji WQ & Wang GX 2007 A new male sterile mutant in wheat (*Triticum aestivum*). *Euphytica* 159: 403-410.
10356. Blanco A, Gadaleta A, Cenci A, Carluccio AV, Abdelbacki AMM & Simeone R 2008 Molecular mapping of the novel powdery mildew resistance gene Pm36 introgressed from *Triticum turgidum* var. *dicoccoides* in durum wheat. *Theoretical and Applied Genetics* 117: 135-142.
10357. He ZH, Xu ZH, Xia LQ, Xia XC, Yan J, Zhang Y & Chen XM 2006 Genetic variation for waxy proteins and starch properties in Chinese winter wheats. *Cereal Research Communications* 34: 1145-1151.
10358. Bovill WD, Ma W, Ritter K, Collard BCY, Davis M, Wildermuth GB & Sutherland MW 2006 Identification of novel QTL for resistance to crown rot in the doubled haploid wheat population 'W21MMT70' / 'Mendos'. *Plant Breeding* 125: 538-543.
10359. Das BK, Saini A, Bhagwat SG & Jawali N 2006 Development of SCAR markers for identification of stem rust resistance gene *Sr31* in the homozygous or heterozygous condition in bread wheat. *Plant Breeding* 125: 544-549.
10360. Bougot Y, Lemoine J, Pavoine MT, Guyomar'ch H, Gautier V, Muranty H & Barloy D 2006 A major QTL effect controlling resistance to powdery mildew in winter wheat at the adult plant stage. *Plant Breeding* 125: 550-556.
10361. McCartney CA, Somers DJ, Lukow O, Ames N, Noll J, Cloutier S, Humphries DG & McCallum BD 2006 QTL analysis of quality traits in the spring wheat cross RL4452 x 'AC Domain'. *Plant Breeding* 125: 565-575.
10362. Watanabe N, Fujii Y, Takesada N & Martinek P 2006 Cytological and microsatellite mapping of the gene for brittle rachis in a *Triticum aestivum*-*Aegilops tauschii* introgression line. *Euphytica* 151: 63-68.
10363. Kumar N, Kulwal PL, Gaur A, Tyagi AK, Khurana JP, Khurana P, Balyan HS & Gupta PK 2006 QTL analysis for grain weight in common wheat. *Euphytica* 151: 235-244.
10364. Guo PG, Bai GH, Li RH, Shaner G & Baum M 2006 Resistance gene analogs associated

- with Fusarium head blight resistance in wheat. *Euphytica* 151: 251-261.
10365. Weng DX, Xu SC, Lin RM, Wan AM, Li JP & Wu LR 2005 Microsatellite marker linked with stripe rust resistant gene *Yr9* in wheat. *Acta Genetica Sinica* 32: 937-941. (In Chinese with English summary).
10366. Qiu YC, Sun XL, Zhou RH, Kong XY, Zhang SS & Jia JZ 2006 Identification of microsatellite markers linked to powdery mildew resistance gene *Pm2* in wheat. *Cereal Research Communications* 34: 1267-1273.
10367. Zhu ZD, Zhou RH, Kong XY, Dong YC & Jia JZ 2006 Microsatellite marker identification of a *Triticum aestivum*-*Aegilops umbellulata* substitution line with powdery mildew resistance. *Euphytica* 150: 149-153.
10368. Gupta SK, Charpe A, Koul S, Haque QMR & Prabhu KV 2006 Development and validation of SCAR markers co-segregating with an *Agropyron elongatum* derived leaf rust resistance gene *Lr24* in wheat. *Euphytica* 150: 233-240.
10369. Li ZF, Xia XC, Zhou XC, Niu YC, He ZH, Zhang Y, Li GQ, Wan AM, Wang DS, Chen XM, Lu QL & Singh RP 2006 Seedling and slow rusting resistance to stripe rust in Chinese common wheats. *Plant Disease* 90: 1302-1312.
10370. Wang YB, Xu SC, Xu Z, Liu TG & Lin RM 2006 A microsatellite marker linked to the stripe rust resistance gene *YrV23* in the wheat variety Vilmorin 23. *Hereditas (Beijing)* 28: 306-310. (In Chinese with English summary).
10371. Yao ZJ, Lin RM, Xu SC, Li ZF, Wan AM & Ma ZY 2006 The molecular tagging of the yellow rust resistance gene *Yr7* in wheat transferred from differential host Lee using microsatellite markers. *Scientia Agricultura Sinica* 39: 1146-1152. (In Chinese with English summary).
10372. Perugini LD, Murphy JP, Marshall DS & Brown-Guedira G 2007 *Pm37*, a new broadly effective powdery mildew resistance gene from *Triticum timopheevii*. *Theoretical and Applied Genetics* 116: 417-425.
10373. Spielmeier W 2007 Personal communication.
10374. Spielmeier W, McIntosh RA, Kolmer J & Lagudah ES 2005 Powdery mildew reaction and *Lr34/Yr18* genes for adult plant resistance to leaf rust and stripe rust cosegregate at a locus on the short arm of chromosome 7D of wheat. *Theoretical and Applied Genetics* 111: 731-735.
10375. Kuraparthy V, Sood S, Chhuneja P, Dhaliwal HS, Kaur S, Bowden RL & Gill BS 2007 A cryptic wheat-*Aegilops triuncialis* translocation with leaf rust resistance gene *Lr58*. *Crop Science* 47: 1995-2003.
10376. Singh PK & Hughes GR 2006 Inheritance of resistance to the chlorosis component of tan spot of wheat caused by *Pyrenophora tritici-repentis*, races 1 and 3. *Euphytica* 152: 413-420.
10377. Kottarachchi NS, Uchino N & Kato K 2007 Increased grain dormancy in white-grained wheat by introgression of preharvest grain dormancy QTLs. *Euphytica* 152: 421-428.
10378. Khlestkina EK, Pshenichnikova TA, Roder MS, Salina EA, Arbuzova EA & Borner A 2006 Comparative mapping of genes for glume colouration and pubescence in hexaploid wheat (*Triticum aestivum*). *Theoretical and Applied Genetics* 113: 801-807.
10379. Gupta SK, Charpe A, Prabhu KV & Haque QMR 2006 Identification and validation of molecular markers linked to the leaf rust resistance gene *Lr19* in wheat. *Theoretical and Applied Genetics* 113: 1027-1036.
10380. Bossolini E, Krattinger SG & Keller B 2006 Development of simple sequence repeat markers specific for the *Lr34* resistance region of wheat using sequence information from rice and *Aegilops tauschii*. *Theoretical and Applied Genetics* 113: 1049-1062.
10381. Zhao HX, Liu XM & Chen M-S 2006 *H22*, a major resistance gene to the Hessian fly (*Mayetiola destructor*), is mapped to the distal region of chromosome 1DS. *Theoretical and*

- Applied Genetics 113: 1491-1496.
10382. Kuchel H, Hollamby G, Langridge P, Williams K & Jefferies SP 2006 Identification of genetic loci associated with ear-emergence in bread wheat. *Theoretical and Applied Genetics* 113: 1103-1112.
10383. Khleskina EK, Roder MS, Unger O, Meinel A & Borner A 2007 More precise map position and origin of a durable non-specific adult plant disease resistance against stripe rust (*Puccinia striiformis*) in wheat. *Euphytica* 153: 1-10.
10384. Ma LQ, Zhou EF, Huo NX, Zhou RH, Wang GY & Jia JZ 2007 Genetic analysis of salt tolerance in a recombinant inbred population of wheat (*Triticum aestivum* L.). *Euphytica* 153: 109-117.
10385. Sun DJ, He ZH, Xia XC, Zhang LP, Morris CF, Appels, Ma WJ & Wang W 2005 A novel STS marker for polyphenol oxidase activity in bread wheat. *Molecular Breeding* 16: 209-218.
10386. He XY, He ZH, Zhang LP, Sun DJ, Morris CF, Fuerst EP & Xia XC 2007 Allelic variation of polyphenol oxidase (PPO) genes located on chromosomes 2A and 2D and development of functional markers for the PPO genes in common wheat. *Theoretical and Applied Genetics* 115: 47-58.
10387. Lagudah ES, McFadden H, Singh RP, Huerta-Espino, Bariana HS & Spielmeier W 2006 Molecular genetic characterization of the *Lr34/Yr18* slow rusting resistance gene region in wheat. *Theoretical and Applied Genetics* 114: 21-30.
10388. Wang T, Xu SS, Harris MO, Hu JG, Liu LW & Cai XW 2006 Genetic characterization and molecular mapping of Hessian fly resistance genes derived from *Aegilops tauschii* in synthetic wheat. *Theoretical and Applied Genetics* 113: 611-618.
10389. Zhou RH, Zhu ZD, Kong XY, Huo NX, Tian QZ, Li P, Jin CY, Dong YC & Jia JZ 2006 Development of wheat near-isogenic lines for powdery mildew resistance. *Theoretical and Applied Genetics* 110: 640-648.
10390. Janni M, Di Giovanni M, Roberti S, Capododocasa C & D'Ovidio R 2006 Characterization of expressed *Pgip* genes in rice and wheat reveals similar extent of sequence variation to dicot PGIPs and identifies an active PGIP lacking an entire LRR repeat. *Theoretical and Applied Genetics* 113: 1233-1245.
10391. Li G, He Z, Lillemo M, Sun Q & Xia X 2008 Molecular characterization of allelic variations at *Pina* and *Pinb* loci in Shandong wheat landraces, historical and current cultivars. *Journal of Cereal Science* 47: 510-517.
10392. Dobrovolskaya O, Arbuzova VS, Lohwasser U, Roder MS & Borner A 2006 Microsatellite mapping of complementary genes for purple grain colour in bread wheat (*Triticum aestivum* L.). *Euphytica* 150: 355-364.
10393. Yao GQ, Zhang JL, Yang LL, Xu HX, Jiang YM, Xiong L, Zhang CQ, Zhang ZZ, Ma ZQ & Sorrells ME 2007 Genetic mapping of two powdery mildew resistance genes in einkorn (*Triticum monococcum* L.) accessions. *Theoretical and Applied Genetics* 114: 351-358.
10394. Tadesse W, Hsam SLK, Wenzel G & Zeller FJ 2006 Identification and monosomic analysis of tan spot resistance genes in synthetic wheat lines (*Triticum turgidum* L. x *Aegilops tauschii* Coss.). *Crop Science* 46: 1212-1217.
10395. Lanning SP, Fox P, Elser J, Martin JM, Blake NK & Talbert LE 2006 Microsatellite markers associated with a secondary stem solidness locus in wheat. *Crop Science* 46: 1701-1703.
10396. Heyns I, Groenewald E, Marais F, du Toit F & Tolmay V 2006 Chromosomal location of the Russian wheat aphid resistance gene *Dn5*. *Crop Science* 46: 630-636.
10397. Jyoti JL, Qureshi JA, Michaud JP & Martin TJ 2006 Virulence of two Russian wheat aphid



- biotypes to eight wheat cultivars at two temperatures. *Crop Science* 46: 774-780.
10398. Berzonsky WA, Gebhard BL, Gamotin E, Leach GD & Ali S 2007 A reciprocal monosomic analysis of the scab resistant spring wheat (*Triticum aestivum* L.) cultivar 'Frontana'. *Plant Breeding* 126: 234-239.
10399. Marais GF, McCallum B & Marais AS 2008 Wheat leaf rust resistance gene Lr59 derived from *Aegilops peregrina*. *Plant Breeding* 127: 340-345.
10400. Hiebert CW, Thomas JB, McCallum BD & Somers DJ 2008 Genetic mapping of the wheat leaf rust resistance gene Lr60 (LrW2). *Crop Science* 48: 1020-1026.
10401. Kumar S, Stack RW, Friesen TL & Faris JD 2007 Identification of a novel Fusarium head blight resistance quantitative locus on chromosome 7A in tetraploid wheat. *Phytopathology* 97: 592-597.
10402. Otto CD, Kianian SF, Elias E, Stack RW & Joppa LR 2002 Genetic dissection of a major QTL in tetraploid wheat. *Plant Molecular Biology* 48: 625-632.
10403. Liu SX, Zhang XL, Pumphrey O, Stack RW, Gill BS & Anderson JA 2006 Complex microcolinearity among wheat, rice, and barley revealed by fine mapping of the genomic region harboring a major QTL for resistance to Fusarium head blight in wheat. *Functional and Integrative Genomics* 6: 83-89.
10404. Nalini E, Ghagwat SG & Jawali N 2005 Validation of allele specific primers for identification of *Rht* genes among Indian bread wheat varieties. *Cereal Research Communications* 33: 439-446.
10405. Tommasini L, Yahiaoui N, Srichumpa P & Keller B 2006 Development of functional markers specific for seven *Pm3* resistance alleles and their validation in the bread wheat gene pool. *Theoretical and Applied Genetics* 114: 165-175.
10406. Yahiaoui N, Brunner S & Keller B 2006 Rapid generation of new powdery mildew resistance genes after wheat domestication. *The Plant Journal* 47: 85-98.
10407. Dudnikov AJu 2007 An acid phosphatase gene set (*Acph-2*) of common wheat orthologous to *Acph1* of *Aegilops tauschii*. *Cereal Research Communications* 35: 11-13.
10408. Qiu JW, Schurch AC, Yahiaoui N, Dong LL, Fan HJ, Zhang ZJ, Keller B & Ling HQ 2007 Physical mapping and identification of a candidate for the leaf rust resistance gene *Lr1* of wheat. *Theoretical and Applied Genetics* 115: 159-168.
10409. Johnson JC, Appels R & Bhavé M 2006 The *PDI* genes of wheat and their syntenic relationship to the *esp2* locus of rice. *Functional and Integrative Genomics* 6: 104-121.
10410. Raman R, Raman H, Johnstone K, Lisle C, Smith A, Martin P & Allen H 2005 Genetic and in silico comparative mapping of the polyphenol oxidase gene in bread wheat (*Triticum aestivum* L.). *Functional and Integrative Genomics* 5: 185-200.
10411. Simeone R, Pasquapone A, Clodeveo ML & Blanco A 2002 Genetic mapping of polyphenol oxidase in tetraploid durum wheat. *Cellular and Molecular Biology Letters* 7: 763-769.
10412. Watanabe N, Masum Akond ASMG & Nachit M 2006 Genetic mapping of the gene affecting polyphenol oxidase activity in tetraploid durum wheat. *Journal of Applied Genetics* 47: 201-205.
10413. Lu HJ & Faris JD 2006 Macro- and microcolinearity between the genomic region of wheat chromosome 5B containing the *Tsn1* gene and the rice genome. *Functional and Integrative Genomics* 6: 90-103.
10414. Baga M, Chodaparambil SV, Limin AE, Pecar M, Fowler DB & Chibbar 2007 Identification of quantitative trait loci and associated candidate genes for low-temperature tolerance in cold-hardy winter wheat. *Functional and Integrative Genomics* 7: 53-68.
10415. Gill BS, Friebe B, Raupp WJ, Wilson DL, Cox TS, Sears RG, Brown-Guedira G & Fritz AK 2006 Wheat Genetics Resource Center: The first 25 years. *Advances in Agronomy* 89: 73-

- 136.
10416. Lin F & Chen XM 2007 Genetics and molecular mapping of genes for race-specific and all-stage resistance and non-specific high-temperature adult-plant resistance to stripe rust in spring wheat cultivar Alpowa. *Theoretical and Applied Genetics* 114: 1277-1287.
10417. Nakamura S, Komatsuda T & Miura H 2007 Mapping diploid wheat homologues of *Arabidopsis* seed ABA signaling genes for seed dormancy. *Theoretical and Applied Genetics* 114: 1129-1139.
10418. He XY, He ZH, Zhang LP, Sun DJ, Morris CF, Fuerst EP & Xia XC 2007 Allelic variation of polyphenol oxidase (PPO) genes located on chromosomes 2A and 2D and development of functional markers for the PPO genes in common wheat. *Theoretical and Applied Genetics* 115: 47-58.
10419. Tadesse W, Schmolke M, Hsam SLK, Mohler V, Wenzel G & Zeller FJ 2007 Molecular mapping of resistance genes to tan spot [*Pyrenophora tritici-repentis*] in synthetic wheat lines. *Theoretical and Applied Genetics* 114: 855-862.
10420. Huang L, Brooks SA, Li WL, Fellers JP, Trick HN & Gill BS 2003 Map-based cloning of leaf rust resistance gene *Lr21* from the large and polyploid genome of bread wheat. *Genetics* 164: 655-664.
10421. Yan L, Fu D, Li C, Blechl A, Tranquilli G, Bonafede M, Sanchez A, Valarik M & Dubcovsky J 2006 The wheat and barley vernalization gene *VRN3* is an orthologue of *FT*. *Proceedings National Academy of Sciences USA* 103: 19581-19586.
10422. Ciaffi M, Dominici L, Tanzarella OA & Porceddu E 1999 Chromosomal assignment of gene sequences coding for protein disulphide isomerase (PDI) in wheat. *Theoretical and Applied Genetics* 98: 405-410.
10423. Ciaffi M, Paolacci AR, D'Aloisio E, Tanzarella OA & Porceddu E 2006 Cloning and characterization of wheat PDI (protein disulfide isomerase) homoeologous genes and promoter sequences. *Gene* 366: 209-218.
10424. Johnson JC & Bhave M 2004 Molecular characterisation of the protein disulphide isomerase genes of wheat. *Plant Science* 167: 397-410.
10425. Tohver M, Kann A, Taht R, Mihhalevski A & Hakman J 2005 Quality of triticale cultivars suitable for growing and bread-making in northern conditions. *Food Chemistry* 89: 125-132.
10426. Zhang Y, Li Q, Yan Y, Zheng J, An X, Xiao Y, Wang A, Pei Y, Wang H, Hsam SLK & Zeller FJ 2006 Molecular characterization and phylogenetic analysis of a novel glutenin gene (*Dy10.1<sup>b</sup>*) from *Aegilops tauschii*. *Genome* 49: 735-745.
10427. Chen F, Yu Y, Xia X & He Z 2007 Prevalence of a novel puroindoline b allele in Yunnan endemic wheats (*Triticum aestivum* ssp. *yunnanense* King). *Euphytica* 156: 39-46.
10428. Massa AN, Morris CF & Beecher B 2007 Personal communication.
10429. Morris CF & GE King 2007 Registration of hard kernel puroindoline allele near-isogenic line hexaploid wheat genetic stocks. *Journal of Plant Registrations* 1: 67-68.
10430. Pickering PA & Bhave M 2007 Comprehensive analysis of Australian hard wheat cultivars shows limited puroindoline allele diversity. *Plant Science* 172: 371-379.
10431. Takeuchi et al. 2006 NCBI accession entry, unpublished.
10432. Tanaka H, Morris CF, Haruna M & Tsujimoto H 2007 Prevalence of puroindoline alleles in wheat from eastern Asia including the discovery of a new SNP in puroindoline b. *Plant Genetic Resources: Characterization and Utilization* 6: 142-152.
10433. Corona V, Gazza L, Zanier R & Pogna NE 2001 A tryptophan-to-arginine change in the tryptophan-rich domain of puroindoline b in five French bread wheat cultivars. *Journal of Genetics and Breeding* 55: 187-189.
10434. Huang XQ, Cloutier S, Lycar L, Radovanovic N, Humphreys DG, Noll JS, Somers DJ &

- Brown PD 2006 Molecular detection of QTLs for agronomic and quality traits in a doubled haploid population derived from two Canadian wheats (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 113: 753-766.
10435. Smith PH, Hadfield J, Hart NJ, Koebner RMD & LA Boyd 2007 STS markers for the wheat yellow rust resistance gene *Yr5* suggest a NBS-LRR-type resistance gene cluster. *Genome* 50: 259-265.
10436. Nelson JC, Andreescu C, Breseghello F, Finney PL, Gualberto D, Bergman CJ, Pena RJ, Perretant MR, Leroy P, Qualset CO & Sorrells ME 2006 Quantitative trait loci analysis of wheat quality traits. *Euphytica* 149: 145-159.
10437. Monari AM, Simeone MC, Urbano M, Margiotta B & Lafiandra D 2005 Molecular characterization of new waxy mutants identified in bread and durum wheat. *Theoretical and Applied Genetics* 111: 1481-1489.
10438. Uauy C, Distelfeld A, Fahima T, Blechl A, Dubcovsky J 2006 A NAC gene regulating senescence improves grain protein, zinc and iron content in wheat. *Science* 314: 1298-1300.
10439. Wang JR, Yan ZH, Wei YM & Zheng YL 2004 A novel high-molecular-weight glutenin subunit gene *Eel.5* from *Elytrigia elongate* (Host) Nevski. *Journal of Cereal Science* 40: 289-294.
10440. Chantret N, Salse J, Sabot F, Rahman S, Bellec A, Bastien L, Dubois I, Dossat C, Sourdille P, Joudrier P, Gautier MF, Cattolico L, Beckert M, Aubourg S, Weissenbach J, Caboche M, Bernard M, Leroy P & Chalhou B 2006 Molecular basis of evolutionary events that shaped the *hardness* locus in diploid and polyploid wheat species (*Triticum* and *Aegilops*). *Plant Cell* 17: 1033-1045.
10441. Lane GB, Dunwell JM, Ray JA, Schmitt MR & Cuming AC 1993 Germin, a protein of early plant development, is an oxalate oxidase. *Journal of Biological Chemistry* 268: 12239-12242.
10442. Feuillet C, Travella S, Stein N, Albar L, Nublat A & Keller B 2003 Map-based isolation of the leaf rust disease resistance gene *Lr10* from the hexaploid wheat (*Triticum aestivum* L.) genome. *Proceedings of National Academy of Sciences USA* 100: 15253-15258.
10443. William HM, Singh RP, Huerta-Espino J, Palacios G & Suenaga K 2006 Characterization of genetic loci conferring adult plant resistance to leaf rust and stripe rust in spring wheat. *Genome* 49: 977-990.
10444. Somers DJ 2007 Personal communication.
10445. Somers DJ, Fedak G, Clarke J & Cao WG 2006 Mapping of FHB resistance QTLs in tetraploid wheat. *Genome* 49: 1586-1593.
10446. Hiebert CW, Thomas JB, Somers DJ, McCallum BD & Fox SL 2007 Microsatellite mapping of adult-plant leaf rust resistance gene *Lr22a* in wheat. *Theoretical and Applied Genetics* (In press)
10447. Ma HX, Zhang KM, Gao L, Bai GH, Chen HG, Cai ZX & Lu WZ 2006 Quantitative trait loci for resistance to fusarium head blight and deoxynivalenol accumulation in Wangshuibai wheat under field conditions. *Plant Pathology* 55: 739-745.
10448. Chartrain L, Brading PA & Brown JKM 2005 Presence of the *Stb6* gene for resistance to septoria leaf blotch (*Mycosphaerella graminicola*) in cultivars used in wheat-breeding programmes worldwide. *Plant Pathology* 54: 134-143.
10449. Yan ZH, Wei YM, Wang JR, Liu DC, Dai SF & Zheng YL 2006 Characterization of two HMW glutenin subunit genes from *T. aenitherum* Nevski. *Genetica* 127: 267-276.
10450. Pahalawatta V & Chen XM. 2005 Genetic analysis and molecular mapping of wheat genes conferring resistance to the wheat stripe rust and barley stripe rust pathogens. *Phytopathology* 95: 427-432.

10451. Singh K, Ghai M, Garg M, Chhuneja P, Kaur P, Schnurbusch, Keller B & Dhaliwal HS 2007 An integrated molecular linkage map of diploid wheat based on a *Triticum boeoticum* x *T. monococcum* RIL population. *Theoretical and Applied Genetics* 115: 301-312.
10452. Lindsay MP, Lagudah ES, Hare RA & Munns R 2004 A locus for sodium exclusion (*Nax1*), a trait for salt tolerance, mapped in durum wheat. *Functional Plant Biology* 31: 1105-1114.
10453. James RA, Davenport RJ & Munns R 2006 Physiologic characterization of two genes for Na<sup>+</sup> exclusion in durum wheat, *Nax1* & *Nax2*. *Plant Physiology* 142: 1437-1547.
10454. Huang SB, Speilmeyer W, Lagudah ES, James RA, Platten JD, Dennis ES & Munns R 2006 *Plant Physiology* 142: 1718-1727.
10455. Byrt CS, Platten JD, Spielmeyer W, James RA, Lagudah ES, Dennis ES, Tester M & Munns R 2007 *Plant Physiology* 143: 1918-1928.
10456. Liu S, Abate ZA, Lu H, Musket T, Davis GL & McKendry AL 2007 QTL associated with Fusarium head blight resistance in soft red winter wheat Ernie. *Theoretical & Applied Genetics* 115: 417-427.
10457. Simons KJ, Fellers JP, Trick HN, Zhang ZC, Tai Y-S, Gill BS & Faris JD 2006 Molecular characterization of the major wheat domestication gene *Q*. *Genetics* 172: 547-555.
10458. Liu Zh, Friesen TL, Ling H, Meinhardt SW, Oliver RP, Rasmussen JB & Faris JD 2006 The *Tsn1*-ToxA interaction in the wheat-*Stagonospora nodorum* pathosystem parallels that of the wheat-tan spot system. *Genome* 49: 1265-1273.
10459. Friesen TL, Stukenbrock EH, Liu ZH, Meinhardt S, Ling H, Faris JD, Rasmussen JB, Solomon PS, McDonald BA & Oliver RP 2006 Emergence of a new disease as a result of interspecific virulence gene transfer. *Nature Genetics* 38: 953-956.
10460. Schnurbusch T, Collins N, Eastwood RF, Sutton T, Jefferies SP & Langridge P 2007 Fine mapping and targeted SNP survey using rice-wheat colinearity in the region of the *Bo1* boron toxicity tolerance locus of bread wheat. *Theoretical and Applied Genetics* 115: 451-461.
10461. Zhan SW, Mayama S & Tosa Y 2007 Identification of two genes for resistance to *Triticum* isolates of *Magnaporthe oryzae* in wheat. *Genome* 51: 216-221.
10462. Hirata K, Tosa Y, Nakayashiki & Mayama S 2005 Significance of *PWT4-Rwt4* interaction in the species specificity of *Avena* isolates of *Magnaporthe oryzae* on wheat. *Journal of General Plant Pathology* 71: 340-344.
10463. Seyfarth R, Feuillet, Schachermayr G, Messmer M, Winzeler M & Keller B 2000 Molecular mapping of the adult-plant rust resistance gene *Lr13* in wheat (*Triticum aestivum* L.). *Journal of Genetics and Breeding* 54: 193-198.
10464. Draeger R, Gosman N, Steed A, Chandler E, Thomsett M, Srinivasachary, Schondelmaier J, Buerstmayr H, Lemmens M, Schmolke M, Mesterhazy A & Nicholson P 2007 Identification of QTLs for resistance to Fusarium head blight, DON accumulation and associated traits in the winter wheat variety Arina. *Theoretical and Applied Genetics* 115: 617-625.
10465. Tommasini L, Schnurbusch T, Fossati D, Mascher F & Keller B 2007 Association mapping of *Stagonospora nodorum* blotch resistance in modern European winter wheat varieties. *Theoretical and Applied Genetics* 115: 697-708.
10466. Beales J, Turner A, Griffiths S, Snape JW & Laurie DA 2007 A *Pseudo-Response Regulator* is misexpressed in the photoperiod insensitive *Ppd-D1a* mutant of wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 115: 721-733.
10467. Hiebert CW, Thomas JB, Somers DJ, McCallum BD & Fox SL 2007 Microsatellite mapping of adult-plant resistance gene *Lr22a* in wheat. *Theoretical and Applied Genetics* 115: 877-884.
10468. Yang Y, Zhao XL, Xia LQ, Chen XM, Xia XC, Yu Z, He ZH & Roder M 2007 Development and validation of a *Viviparous-1* STS marker for pre-harvest sprouting in

- Chinese wheats. *Theoretical and Applied Genetics* 115: 971-980.
10469. Herrera-Foessel SA, Singh RP, Huerta-Espina, William M, Rosewarne G, Djurle A & Yuen J 2007 Identification and mapping of *Lr3* and a linked leaf rust resistance gene in durum wheat. *Crop Science* 47: 1459-1466.
10470. Haberle J, Schmolke M, Schweizer G, Korzun V, Ebmeyer E, Zimmermann G & Hartl L 2007 Effects of two major Fusarium head blight resistance QTL verified in a winter wheat backcross population. *Crop Science* 47: 1823-1831.
10471. Uphaus J, Walker E, Shankar M, Golzar H, Loughman R, Francki M & Ohm H 2007 Quantitative trait loci identified for resistance to *Stagonospora glume blotch* in wheat in the USA and Australia. *Crop Science* 47: 1813-1821.
10472. Tsilo TJ, Jin Y & Anderson JA 2007 Microsatellite markers linked to stem rust resistance allele *Sr9a* in wheat. *Crop Science* 47: 2013-2020.
10473. Klindworth DL, Miller JD, Jin Y & Xu SS 2007 Chromosomal locations of genes for stem rust resistance in monogenic lines derived from tetraploid wheat accession ST464. *Crop Science* 47: 1441-1450.
10474. Lapitan NLV, Peng JH & Sharma V 2007 A high-density map and PCR markers for Russian wheat aphid resistance gene *Dn7* on chromosome 1RS/1BL. *Crop Science* 47: 811-820.
10475. Gaudet DA, Lu ZX, Leggett F, Puchalski B & Laroche A 2007 Compatible and incompatible interactions in wheat involving the *Bt-10* gene for resistance to *Tilletia tritici*, the common bunt pathogen. *Phytopathology* 97: 1397-1405.
10476. Niu JS, Wang BQ, Wang YH, Cao AZ, Qi ZJ & Shen TM 2008 Chromosome location and microsatellite markers linked to a powdery mildew resistance gene in wheat line 'Lankao 90(6)'. *Plant Breeding* 127: 346 -349.
10477. Niu JS, Jia HY, Wang BQ, Chang Y & Ma ZQ 2007 Development of a *PmLK906* and *Pm4a* linked STS marker via gene chip hybridization. Manuscript.
10478. Peng JH, Wang H, Haley SD, Peairs FB & Lapitan NLV 2007 Molecular mapping of the Russian wheat aphid resistance gene *Dn2414* in wheat. *Crop Science* 47: 2418-2429.
10479. Miranda LM, Perugini L, Srnic G, Brown-Guedira G, Marshall D, Leath S & Murphy JP 2007 Genetic mapping of a *Triticum monococcum*-derived powdery mildew resistance gene in common wheat. *Crop Science* 47: 2323-2329.
10480. Lillemo M, Singh RP, Huerta-Espino J, Chen XM, He ZH & Brown JKM 2007 Leaf rust resistance gene *Lr34* is involved in powdery mildew resistance of CIMMYT bread wheat line Saar. *Developments in Plant Breeding, Wheat Production in Stressed Environments*. Springer, The Netherlands (Buck HT, Nisi JE, Salomon N eds) 12: 97-102.
10481. Lillemo M, Asalf B, Singh RP, Huerta-Espino J, Chen XM, He ZH & Bjornstad A 2008 The adult plant rust resistance loci *Lr34/Yr18* and *Lr46/Yr29* are important determinants of partial resistance to powdery mildew in bread wheat line Saar. *Theoretical and Applied Genetics* 116: 1155-1166.
10482. Chen XF, Faris JD, Hu JG, Stack RW, Adhikari T, Elias EM, Kianian SF & Cai XW 2007 Saturation and comparative mapping of a major Fusarium head blight resistance QTL in tetraploid wheat. *Molecular Breeding* 19: 113-124.
10483. Zhou LL, Bai GH, Ma HX & Carver BF 2007 Quantitative trait loci for aluminium resistance in wheat. *Molecular Breeding* 19: 153-161.
10484. Raman R, Raman H & Martin P 2007 Functional gene markers for polyphenol oxidase activity in bread wheat (*Triticum aestivum* L.). *Molecular Breeding* 19: 315-328.
10485. Herrera-Foessel SA, Singh RP, Huerta-Espino J, William M, Djurle A & Yuen J 2008 Molecular mapping of a leaf rust resistance gene on the short arm of chromosome 6B of durum wheat. *Plant Disease* 92: 1650 -1654.

10486. Barloy D, Lemoine J, Abelard P, Tanguy AM, Rivoal R & Jahier J 2007 Marker-assisted pyramiding of two cereal cyst nematode resistance genes from *Aegilops variabilis* in wheat. *Molecular Breeding* 20: 31-40.
10487. Jahier J, Rivoal R, Yu MQ, Abelard P, Tanguy AM & Barloy D 2000 Transfer of genes for resistance to the cereal cyst nematode from *Aegilops variabilis* Eig to wheat. *Journal of Genetics and Breeding* 52: 253-257.
10488. Kirigwi FM, van Ginkel M, Brown-Guedira G, Gill BS, Paulsen GM & Fritz AK 2007 Markers associated with a QTL for grain yield in wheat under drought. *Molecular Breeding* 20: 401-413.
10489. Shen XR & Ohm HW 2007 Molecular mapping of *Thinopyrum*-derived Fusarium head blight resistance in common wheat. *Molecular Breeding* 20: 131-140.
10490. Jiang GL, Shi JR & Ward RW 2007 QTL analysis of resistance to Fusarium head blight in the novel wheat germplasm CJ 9406. I. Resistance to fungal spread. *Theoretical and Applied Genetics* 116: 3-13.
10491. Ayala-Navarrete L, Bariana HS, Singh RP, Gibson JM, Mekanicos AA & Larkin PJ 2007 Trigenomic chromosomes by recombination of *Thinopyrum intermedium* and *Th. ponticum* translocations in wheat. *Theoretical and Applied Genetics* 116: 63-75.
10492. Tomar SMS, Vinod & Singh B 2007 Genetic analysis of apical lethality in *Triticum aestivum* L. *Euphytica* 156: 425-431.
10493. Singh D, Park RF & McIntosh RA 2007 Characterisation of wheat leaf rust resistance gene *Lr34* in Australian wheats using components of resistance and the linked molecular marker *csLV34*. *Australian Journal of Agricultural Research* 58: 1106-1114.
10494. Christopher MJ, Williamson PM, Michalowicz M, Jennings R, Lehmensiek A, Sheppard J & Banks P 2007 Simple sequence repeat markers associated with three quantitative trait loci for black point resistance can be used to enrich selection populations in bread wheat. *Australian Journal of Agricultural Research* 58: 867-873.
10495. Arraiano LS, Kirby J & Brown JKM 2007 Cytogenetic analysis of the susceptibility of the wheat line Hobbit Sib (Dwarf A) to *Septoria tritici* blotch. *Theoretical and Applied Genetics* 116: 113-122.
10496. Jiang GL, Dong YH, Shi JR & Ward RW 2007 QTL analysis of resistance to Fusarium head blight in the novel wheat germplasm CJ 9306. II. Resistance to deoxynivalenol accumulation and grain yield loss. *Theoretical and Applied Genetics* 115: 1043-1052.
10497. Nalam VJ, Vales MI, Watson CJW, Johnson EB & Riera-Lizarazu O 2007 Map-based analysis of genetic loci on chromosome 2D that affect glume tenacity and threshability, components of the free-threshing habit in common wheat. *Theoretical and Applied Genetics* 116: 135-145.
10498. Sukhwinder-Singh, Brown-Guedira GL, Grewal TS, Dhaliwal HS, Nelson JC, Singh H and Gill BS 2003 Mapping of a resistance gene effective against Karnal bunt pathogen of wheat. *Theoretical and Applied Genetics* 106: 287-292.
10499. Sukhwinder-Singh, Sharma I, Sehgal SK, Bains NS, Guo ZG, Nelson JC & Bowden RL 2007 Molecular mapping of QTLs for Karnal bunt resistance in two recombinant inbred populations of bread wheat. *Theoretical and Applied Genetics* 116: 147-154.
10500. Torada A, Koike M, Ikeguchi S & Tsutsui I 2008 Mapping a major locus controlling seed dormancy using backcrossed progenies in wheat. *Genome* 51: 426-432.
10501. He XY, Zhang YL, He ZH, Wu YP, Xiao, Ma CX & Xia XC 2008 Characterization of phytoene synthase 1 gene (*Psy1*) located on common wheat chromosome 7A and development of a functional marker. *Theoretical and Applied Genetics* 116: 213-221.
10502. Luo PG, Hu XY, Zhang HY, Zhang HQ & Ren ZL 2008 Linkage relationships of stripe rust

- resistance genes located on wheat chromosome 2BS. Manuscript.
10503. Klahr A, Zimmermann G, Wenzel G & Mohler V 2007 Effects of environment, disease progress, plant height and heading date on the detection of QTLs for resistance to Fusarium head blight in an European winter wheat cross. *Euphytica* 154: 17-28.
10504. Chang C, Zhang HP, Xu J, You MS, Li BY & Liu GT 2007 Variation in two PPO genes associated with polyphenol oxidase activity in seeds of common wheat. *Euphytica* 154: 181-193.
10505. Tucker DM, Griffey CA, Liu S, Brown-Guedira G, Marshall DS & Saghai Maroof MA 2007 Confirmation of three quantitative trait loci conferring adult plant resistance to powdery mildew in two winter wheat populations. *Euphytica* 155: 1-13.
10506. Singh PK, Mergoum M, Adhikari TB, Kianian SF & Elias EM 2007 Chromosomal location of genes for seedling resistance to tan spot and *Stagonospora nodorum* blotch in tetraploid wheat. *Euphytica* 155: 27-34.
10507. Friesen TL, Meinhardt SW & Faris JD 2007 The *Stagonospora nodorum*-wheat pathosystem involves multiple proteinaceous host-selective toxins and corresponding host sensitivity genes that interact in an inverse gene-for-gene manner. *The Plant Journal* 51: 682-693.
10508. Cheong J, Wallwork H & Williams KJ 2007 Identification of a major QTL for yellow leaf spot resistance in the wheat varieties Brookton and Cranbrook. *Australian Journal of Agricultural Research* 55: 315-319.
10509. Singh PK, Mergoum M, Gonzalez-Hernandez JL, Ali S, Adhikari TB, Kianian SF, Elias EM & Hughes GR 2008 Genetics and molecular mapping of resistance to necrosis inducing race 5 of *Pyrenophora tritici-repentis* in tetraploid wheat. *Molecular Breeding* 21: 293-304.
10510. Liu Q, Ni ZF, Peng HR, Song W, Liu ZY & Sun QX 2007 Molecular mapping of a dominant non-glaucousness gene from synthetic hexaploid wheat (*Triticum aestivum* L.). *Euphytica* 155: 71-78.
10511. Pathan AM & Park RF 2007 Evaluation of seedling and adult plant resistance to stem rust in European cultivars. *Euphytica* 155: 87-105.
10512. Ellis MH, Bonnett DG & Rebetzke GJ 2007 A 102bp allele at the *Xgwm261* locus is not always associated with the *Rht8* dwarfing gene in wheat (*Triticum aestivum* L.). *Euphytica* 157: 209-214.
10513. Leonard JM, Watson CJW, Carter AH, Hansen JL, Zemetra RS, Santra DK, Campbell KM & Riera-Lizarazu O 2008 Identification of a candidate gene for the wheat endopeptidase *Ep-D1* locus and two other STS markers kinked to the eyespot resistance gene *Pch1*. *Theoretical and Applied Genetics* 116: 261-270.
10514. Toth B, Kaszonyi G, Bartok T, Varga J & Mesterhazy A 2008 Common resistance of wheat to members of the *Fusarium graminearum* species complex and *F. culmorum*. *Plant Breeding* 127: 1-8.
10515. Zhou Y, Zhu HZ, Cai SB, He ZH, Zhang XK, Xia XC & Zhang GS 2007 Genetic improvement of grain yield and associated traits in the southern China winter wheat region: 1949 to 2000. *Euphytica* 157: 465-473.
10516. Dobrovolskaya O, Pshenichnikova TA, Arbuzova VS, Lohwasser U, Roder MS & Borner A 2007 Molecular mapping of genes determining hairy leaf character in common wheat with respect to other species of the Triticeae. *Euphytica* 155: 285-293.
10517. Song W, Xie H, Liu Q, Xie CJ, Ni ZY, Yang TM, Sun QX & Liu ZY 2007 Molecular identification of *Pm12*-carrying introgression lines in wheat using genomic and EST-SSR markers. *Euphytica* 158: 95-102.
10518. Chhuneja P, Kaur S, Garg T, Ghai M, Kaur S, Prashar M, Bains NS, Goel RK, Keller B,

- Dhaliwal HS & Singh K 2008 Mapping of adult plant stripe rust resistance genes in diploid A genome wheat species and their transfer to bread wheat. *Theoretical and Applied Genetics* 116: 313-324.
10519. Cao AQ, Wang XE, Chen YP, Zou ZW & Chen PD 2006 A sequence-specific PCR marker linked with *Pm21* distinguishes chromosomes 6AS, 6BS, 6DS of *triticum aestivum* and 6VS of *Haynaldia villosa*. *Plant Breeding* 125: 201-205.
10520. Herrera-Foessel SA, Djurle A, Yuen J, Singh RP, Williams HM, Garcia V & Huerta-Espino J 2007 Identification and molecular characterization of leaf rust resistance gene *Lr14a* in durum wheat. *Plant Disease* 92: 469-473.
10521. Narasimhamoorthy B, Gill BS, Fritz AK, Nelson JC & Brown-Guedira GL 2006 Advanced backcross QTL analysis of a hard winter wheat x synthetic wheat population. *Theoretical and Applied Genetics* 112: 787-796.
10522. Bhave M & Morris CF 2008 Molecular genetics of puroindolines and related genes: allelic diversity in wheat and other grasses. *Plant Molecular Biology* 66: 205-219.
10523. Bhave M & Morris CF 2008 Molecular genetics of puroindolines and related genes: regulation of expression, membrane binding properties and applications. *Plant Molecular Biology* 66: 221-231.
10524. Morris CF & Bhave M 2008 Reconciliation of D-genome puroindoline allele designations with current DNA sequence data. *Journal of Cereal Science* 48: 277-287.
10525. Bonafede M, Kong L, Tranquilli G, Ohm H & Dubcovsky J 2007 Reduction of a *Triticum monococcum* chromosome segment carrying the softness genes *Pina* and *Pinb* translocated to bread wheat. *Crop Science* 47: 821-828.
10526. Bonafede M, Chicaiza O, Tranquilli G & Dubcovsky J 2008 Registration of a hexaploid wheat translocation line carrying a short segment of chromosome 5A<sup>m</sup> including softness genes *Pina* and *Pinb* from *Triticum monococcum*. *Journal of Plant Registrations* 2: 1-2.
10527. Sherman JD, Lanning D, Clark D & Talbert LE 2007 Registration of near-isogenic hard spring wheat lines differing in puroindoline alleles. *Journal of Plant Registrations* 1: 171-172.
10528. Wang J & Wang D 2008 Personal communication.
10529. Qi LL, Pumphrey MO, Friebe B, Chen PD & Gill BS 2008 Molecular cytogenetic characterization of alien introgressions with gene *Fhb3* for resistance to Fusarium head blight disease. *Theoretical and Applied Genetics* 117: 1155-1166.
10530. Zhang W & Dubcovsky J 2008 Association between allelic variation at the *Phytoene synthase 1* gene and yellow pigment content in the wheat grain. *Theoretical and Applied Genetics* 116: 635-645.
10531. Fu D, Dunbar M & Dubcovsky J 2007 Wheat VIN3-like PHD finger genes are up-regulated by vernalization. *Molecular and General Genomics* 277: 301-313.
10532. Raman H, Ryan PR, Raman R, Stodart BJ, Zhank K, Martin P, Wood R, Sasaki T, Yamamoto Y, Mackay M, Hebb DM & Delhaize E 2008 Analysis of *TaALMT1* traces the transmission of aluminium resistance in cultivated common wheat (*Triticum aestivum*). *Theoretical and Applied Genetics* 116: 343-354.
10533. Bonnin I, Rousset M, Madur D, Sourdille P, Dupuits C, Brunel D & Goldringer I 2008 FT genome A and D polymorphisms are associated with the variation of earliness components in hexaploid wheat. *Theoretical and Applied Genetics* 116: 383-394.
10534. Regina A, Bird A, Topping D, Bowden S, Freeman J, Barsby T, Kosar-Hashemi B, Li ZY, Rahman S & Morell M 2006 High-amylose wheat generated by RNA interference improves indices of large-bowel health in rats. *Proceedings of the National Academy of Sciences, USA* 103: 3546-3551.



10535. Gobaa S, Kleijer G & Stamp P 2007  $\gamma$ , a new high molecular weight glutenin subunit coded by *Glu-A1*: its predicted structure and its impact on bread-making quality. *Plant Breeding* 126: 1-4.
10536. Groos C, Bervas E, Chanliaud E & Charmet G 2007 Genetic analysis of bread-making quality scores in bread wheat using a recombinant inbred line population. *Theoretical and Applied Genetics* 115: 313-323.
10537. Marais F, Marais A, McCallum B & Pretorius Z 2009 Transfer of leaf rust and stripe rust resistance genes *Lr62* and *Yr42* from *Aegilops neglecta* Req. ex Bertol. to common wheat. *Crop Science* 49: 871-879.
10538. Lagudah ES. 2007 Personal communication.
10539. Luo PG, Luo HY, Chang ZJ, Zhang HY, Zhang M & Ren ZL 2009 Characterization and chromosomal location of *Pm40* in common wheat: a new gene for resistance to powdery mildew derived from *Elytrigia intermedium*. *Theoretical and Applied Genetics* 118: 1059-1064.
10540. Oliver RP, Lord M, Rybak K, Faris JD & Solomon 2008 Emergence of tan spot disease caused by toxigenic *Pyrenophora tritici-repentis* in Australia is not associated with increased deployment of toxin-sensitive cultivars. *Phytopathology* 98: 488-491.
10541. Kosuge K, Watanabe N, Kuboyama T, Melnik VM, Yanchenko VI, Rosova MA & Goncharov NP 2008 Cytological and microsatellite mapping of mutant genes for spherical grain and compact spikes in durum wheat. *Euphytica* 159: 289-296.
10542. Nematollahi G, Mohler V, Wenzel G, Zeller FJ & Hsam SLK 2008 Microsatellite mapping of powdery mildew resistance allele *Pm5d* from common wheat line IGV1-455. *Euphytica* 159: 307-313.
10543. Simmonds JR, Fish LJ, Leverington-Waite MA, Wang Y, Howell P & Snape JW 2008 Mapping of a gene (*Vir*) for a non-glaucous, viridescence phenotype in bread wheat derived from *Triticum dicoccoides*, and its association with yield variation. *Euphytica* 159: 333-341.
10544. Wang CM, Zhang YP, Han DJ, Kang ZS, Li GP, Cao AH & Chen PD 2008 SSR and STS markers for wheat stripe rust resistance gene *Yr26*. *Euphytica* 159: 359-366.
10545. Ji XL, Xie CJ, Ni ZF, Yang TM, Nevo E, Fahima T, Liu ZY & Sun QX 2008 Identification and genetic mapping of a powdery mildew resistance gene in wild emmer (*Triticum dicoccoides*) accession IW72 from Israel. *Euphytica* 159: 385-390.
10546. Zhou KJ, Wang SH, Feng YQ, Ji WQ & Wang GX 2008 A new male sterile mutant LZ in wheat (*Triticum aestivum* L.). *Euphytica* 159: 403-410.
10547. Hassani ME, Shariflou MR, Gianibelli MC & Sharp PJ 2006 *Gli-DtT1* and a novel gamma-gliadin gene in *Aegilops tauschii*. *Plant Breeding* 125: 27-31.
10548. Ikeda TM, Araki E, Fujita Y & Yano H 2006 Characterization of low-molecular-weight glutenin subunit genes and their protein products in common wheats. *Theoretical and Applied Genetics* 112: 327-334.
10549. Faris JD et al. 2008 Manuscript.
10550. Kolmer J 2008 Personal communication (17 June).
10551. Li G, Fang T, Zhang H, Xie C, Li H, Yang T, Nevo E, Fahima T, Sun Q & Liu Z 2009 Molecular identification of a new powdery mildew resistance gene *Pm41* on chromosome 3BL derived from wild emmer (*Triticum turgidum* var. *dicoccoides*). *Theoretical and Applied Genetics* 119: 531-539.
10552. Singh S, Bochus WW, Sharma I & Bowden RL 2008 A novel source of resistance to *Pyrenophora tritici-repentis* race 1. *Plant Disease* 92: 91-95.
10553. Yi YJ, Liu HY, Huang XQ, An LZ, Wang F & Wang XL 2008 Development of molecular markers linked to the wheat powdery mildew resistance gene *Pm4b* and marker validation for

- molecular breeding. *Plant Breeding* 127: 116-120.
10554. Hanzalova A, Dumalasova V, Sumikova T & Bartos P 2007 Rust resistance of the French wheat Renan. *Czech Journal of Genetics and Plant Breeding* 43(2): 53-60.
10555. Taenxler B, Esposti RF, Vaccino P, Brandolini A, Effgen S, Heun M, Schafer-Pregl R, Borghi B & Salamini F 2002 Molecular linkage map of Einkorn wheat: mapping of storage-protein and soft-glume genes and bread-making quality QTLs. *Genetic Research, Cambridge* 80: 131-143.
10556. Goodwin SB 2007 Back to basic and beyond: increasing the level of resistance to *Septoria tritici blotch* in wheat. *Australasian Plant Pathology* 36: 532-538.
10557. Singh PK, Mergoum M, Ali S, Adhikari TB & Hughes GR 2008 Genetic analysis of resistance to *Pyrenophora tritici-repentis* races 1 and 5 in tetraploid and hexaploid wheat. *Phytopathology* 98: 702-708.
10558. Appelbee M-J, Mekuria GT, Nagasandra V, Bonneau JP, Eagles HA, Eastwood RF & Mather DE 2009 Novel allelic variants encoded at the Glu-D3 locus in bread wheat. *Journal of Cereal Science* 49: 254-261.
10559. Wei H, Liu ZJ, Zhu J, Xie CJ, Yang TM, Zhou YL, Duan XY, Sun QX & Liu ZY 2009 Identification and genetic mapping of pm42, a new recessive wheat powdery mildew resistance gene derived from wild emmer (*Triticum turgidum* var. *dicoccoides*). *Theoretical and Applied Genetics* 119: 223-230.
10560. He RL, Chang ZJ, Yang ZJ, Yuan ZY, Liu JX, Zhan HX & Zhang XJ 2009 Inheritance and mapping of a powdery mildew resistance Pm43 introgressed from *Thinopyrum intermedium* into wheat. *Theoretical and Applied Genetics* 118: 1173-1180.
10561. Cloutier S, McCallum BD, Loutre C, Banks TW, Wicker T, Feuillet C, Keller B & Jordan M 2007 Leaf rust resistance gene Lr1, isolated from bread wheat (*Triticum aestivum* L.) is a member of the large psr567 gene family. *Plant Molecular Biology* 65: 93-106.
10562. Luo PG, Zhang HY, Shu K, Zhang HQ, Luo HY & Ren ZL 2007 Stripe rust (*Puccinia striiformis* f. sp. *tritici*) resistance in wheat with the wheat-rye 1BL/1RS chromosomal translocation. *Canadian Journal of Plant Pathology* 30: 1-6.
10563. Zhang JX, Singh RP, Kolmer JA, Huerta-Espino J, Jin Y & Anderson JA 2008 Genetics of leaf rust resistance in Brambling wheat. *Crop Science* 92: 1111-1118.
10564. Bansal UK, Hayden MJ, Keller B, Wellings CR, Park RF & Bariana HS 2009 Relationship between wheat rust resistance genes Yr1 and Sr48 and a microsatellite marker. *Plant Pathology* 58: 1039-1043.
10565. Bansal UK, Bossolini E, Miah H, Keller B, Park RF, Bariana HS 2008 Genetic mapping of seedling and adult plant stem rust resistance in two European winter wheat cultivars. *Euphytica* 164: 821-828.
10566. Lin F, Xue SL, Tian DG, Li CJ, Cao Y, Zhang ZZ, Zhang CQ & Ma ZQ 2008 Mapping chromosomal regions affecting flowering time in a spring wheat RIL population. *Euphytica* 164: 769-777.
10567. Pankova K, Milec Z, Simmonds J, Leverington-Waite M, Fish L & Snape JW 2008 Genetic mapping of a new flowering time gene on chromosome 3B of wheat. *Euphytica* 164: 778-787.
10568. Pfluger LA, D'Ovidio R, Margiotta B, Pena R, Mujeeb-Kazi A & Lafiandra D 2001 Characterisation of high- and low-molecular weight glutenin subunits associated to the D genome of *Aegilops tauschii* in a collection of synthetic hexaploid wheats. *Theoretical and Applied Genetics* 103: 1293-1301.
10569. Datta D, Nayar SK, Bhardwaj SC, Prashar M & Kumar S 2008 Detection and inheritance of leaf rust resistance in common wheat lines Agra Local and IWP94. *Euphytica* 159: 343-351.

10570. Wang LA, Li GY, Xia XC, He ZH & Mu PY 2008 Molecular characterization of Pina and Pinb allelic variations in Xinjiang land races of commercial wheat cultivars. *Euphytica* 164: 745-752.
10571. Zhang JX, Singh RP, Kolmer JA, Huerta-Espino J, Jin Y & Anderson JA 2008 Inheritance of leaf rust resistance in the CIMMYT wheat Weebill 1. *Crop Science* 48: 1037-1047.
10572. Bremenkamp-Barrett B, Faris JD & Fellers JP 2008 Molecular mapping of the leaf rust resistance gene Lr17a in wheat. *Crop Science* 48: 1124-1128.
10573. Nakamura H 2008 Possible transmission route for common wheat to the Far-East in Asia. *Crop Science* 48: 1117-1123.
10574. Voss H-H, Holzapfel J, Hartl L, Korzun V, Rabenstein F, Ebmeyer E, Coester H, Kempe H & Miedaner T 2008 Effect of the Rht-D1 dwarfing locus on Fusarium head blight rating in three segregating populations of winter wheat. *Plant Breeding* 127: 333-339.
10575. Gennaro A, Koebner RMB & Ceoloni C 2009 A candidate for Lr19, an exotic gene conditioning leaf rust resistance in wheat. *Functional and Integrative Genomics* 9: 325-334.
10576. Ji JH, Qin B, Wang HY, Cao AZ, Wang SL, Chen PD, Zhuang LF, Du Y, Liu DJ, Wang XE 2008 STS markers for powdery mildew resistance gene Pm6 in wheat. *Euphytica* 163: 159-165.
10577. Li CJ, Zhu HL, Zhang CQ, Lin F, Xue SL, Cao Y, Zheng ZZ, Zhang LX & Ma ZQ 2008 Mapping QTLs associated with Fusarium-damaged kernels in the Nanda 2419 x Wangshuibai population. *Euphytica* 163: 185-191.
10578. Johnson EB, Nalam VJ, Zemetra RS & Riera-Lizarazu O 2008 Mapping the compactum locus in wheat (*Triticum aestivum* L.) and its relationship to other spike morphology genes of the Triticeae. *Euphytica* 163: 193-201.
10579. Pathan AK, Wellings CR, Bariana HS & Park RF 2008 Evaluation of seedling and adult plant resistance in European wheat cultivars to Australian isolates of *Puccinia striiformis* f. sp. tritici. *Euphytica* 163: 283-301.
10580. Chu C-G, Friesen TL, Xu SS & Faris JD 2008 Identification of novel tan spot resistance loci beyond the known host-selective toxin sensitivity genes in wheat. *Theoretical and Applied Genetics* 117: 873-880.
10581. Zhao XL, Zheng TC, Xia XC, He ZH, Liu DQ, Yang WX, Yin GH & Li ZF 2008 Molecular mapping of leaf rust resistance gene LrZH84 in Chinese wheat line Zhou 8425B. *Theoretical and Applied Genetics* 117: 1069-1075.
10582. Guo Q, Zhang ZJ, Xu YB, Li GH, Feng J & Zhou Y 2008 Quantitative trait loci for high-temperature adult-plant and slow-rusting resistance to *Puccinia striiformis* f. sp. tritici in wheat cultivars. *Phytopathology* 98: 803-809.
10583. Hao YF, Liu AF, Wang YH, Feng DS, Gao JR, Li XF, Liu SB & Wang HG 2008 Pm23: a new allele of Pm4 located on chromosome 2AL in wheat. *Theoretical and Applied Genetics* 117: 1205-1212.
10584. Shankar M, Walker E, Golzar H, Loughman R, Wilson RE & Francki MG 2008 Quantitative trait loci for seedling and adult plant resistance to *Stagonospora nodorum* in wheat. *Phytopathology* 98: 886-893.
10585. Huerta-Espino J, Singh RP, Herrera-Foessel SA, Perez-Lopez JB & Figueroa-Lopez P 2009 First detection of virulence in *Puccinia triticina* to resistance genes Lr27 + Lr31 present in durum wheats in Mexico. *Plant Disease* 93: 110.
10586. Rosewarne GM, Singh RP, Huerta-Espino J & Rebetzke GJ 2008 Quantitative trait loci for slow-rusting resistance in wheat to leaf rust and stripe rust identified with multi-environment analysis. *Theoretical and Applied Genetics* 116: 1027-1034.
10587. Cabellero L, Bancel E, Debiton C & Branlard G 2008 Granule-bound starch synthase

- (GBSS) diversity of ancient wheat and related species. *Plant Breeding* 127: 548-553.
10588. Schmolke M, Zimmermann G, Schweizer G, Miedaner T, Korzun V, Ebmeyer E & Hartl L 2008 Molecular mapping of quantitative trait loci for field resistance to *Fusarium* head blight in a European winter wheat population. *Plant Breeding* 127: 459-464.
10589. Melichar JPE, Berry S, Newell C, MacCormack R & Boyd LA 2008 QTL identification and microphenotype characterisation of the developmentally regulated yellow rust resistance in UK wheat cultivar Guardian. *Theoretical and Applied Genetics* 117: 391-399.
10590. Tadesse W, Hsam SLK, Wenzell G & Zeller FJ 2008 Chromosome location of a gene conferring resistance to *Pyrenophora tritici-repentis* in Ethiopian wheat cultivars. *Euphytica* 162: 423-430.
10591. Marais GF, Bekker TA, Eksteen A, McCallum B, Fetch T & Marais AS 2009 Attempts to remove gametocidal genes co-transferred to wheat with rust resistance from *Aegilops speltoides*. *Euphytica* 171: 71-85.
10592. Marais GF, Pretorius ZA, Marais AS & Wellings CR 2003 Transfer of rust resistance genes from *Triticum* species to common wheat. *South African Journal of Plant and Soil* 20: 193-198.
10593. Buerstmayr H, Ban T & Anderson JA 2009 QTL mapping and marker-assisted selection for *Fusarium* head blight resistance in wheat: a review. *Plant Breeding* 128: 1-26.
10594. Haberle J, Schweizer G, Schondelmaier J, Zimmermann G & Harl L 2009 Mapping of QTL for resistance against *Fusarium* head blight in the winter wheat population Pelican//Bussard/Ning8026. *Plant Breeding* 128: 27-35.
10595. Kolmer JA, Long DL & Hughes ME 2009 Physiologic specialization of *Puccinia triticina* on wheat in the United States in 2007. *Plant Disease* 93: 538-544.
10596. Yang ZJ, Li GR, Jia JQ, Zeng T, Lei MP, Zeng ZX, Tao Z & Ren ZL 2009 Molecular cytogenetic characterization of wheat-*Secale africanum* amphiploids and derived introgression lines with stripe rust resistance. *Euphytica* 167: 197-202.
10597. Gonzalez-Hernandez JL, Singh PK, Mergoum M, Adhikari TB, Kianian SF, Simsek S & Elias EM 2009 A quantitative trait locus on chromosome 5B controls resistance of *Triticum turgidum* (L.) var. *dicoccoides* to *Stagonospora nodorum* blotch. *Euphytica* 166: 199-206.
10598. Navakode S, Weidner A, Lohwasser U, Roder MS & Börner A 2009 Molecular mapping of quantitative trait loci (QTLs) controlling aluminium tolerance in bread wheat. *Euphytica* 166: 283-290.
10599. Ogonnaya FC, Imtiaz M, Ye G, Hearnden PR, Hernandez E, Eastwood RF, van Ginkel M, Shorter SC & Winchester JM 2008 Genetic and QTL analyses of seed dormancy and preharvest sprouting resistance in the wheat germplasm CN10955. *Theoretical and Applied Genetics* 116: 891-902.
10600. Maccaferri M, Mantovani P, Tuberosa R, DeAmbrogio E, Giuliani S, Demontis A, Massi A & Sanguineti MC 2008 A major QTL for durable leaf rust resistance widely exploited in durum wheat breeding programs maps on the distal region of chromosome 7BL. *Theoretical and Applied Genetics* 117: 1225-1240.
10601. Lin F & Chen XM 2008 Molecular mapping of genes for race-specific overall resistance to stripe rust in wheat cultivar Express. *Theoretical and Applied Genetics* 116: 797-806.
10602. Santra DK, Chen XM, Santra M, Campbell KG & Kidwell K 2008 Identification and mapping QTL for high-temperature adult-plant resistance to stripe rust in winter wheat (*Triticum aestivum* L.) cultivar 'Stephens'. *Theoretical and Applied Genetics* 117: 793-802.
10603. Srinivasachary, Gosman N, Steed A, Simmonds J, Leverington-Waite M, Wang Y, Snape J & Nicholson P 2008 Susceptibility to *Fusarium* head blight is associated with the Rht-D1b semidwarfing allele in wheat. *Theoretical and Applied Genetics* 116: 1145-1153.

10604. Xu HX, Yao GQ, Li XO, Yang LL, Jiang YM, Fu BS, Zhao WF, Zhang ZZ, Zhang CQ & Ma ZQ 2008 Identification and mapping of pm2026: a recessive powdery mildew resistance gene in einkorn (*Triticum monococcum* L.) accession. *Theoretical and Applied Genetics* 117: 471-477.
10605. Cai SB, Bai GH & Zhang DD 2008 Quantitative trait loci for aluminium tolerance in Chinese landrace FSW. *Theoretical and Applied Genetics* 117: 49-56.
10606. Li Y, Niu YC & Chen XM 2009 Mapping a stripe rust resistance gene YrC591 in wheat variety C591 with SSR and AFLP markers. *Theoretical and Applied Genetics* 118: 339-346.
10607. Bhavani S, Bansal UK, Hare RA & Bariana HS 2009 Genetic mapping of stem rust resistance in durum wheat cultivar 'Arrivato'. *International Journal of Plant Breeding* 2(1): 23-26.
10608. Di Giovanni M, Cenci A, Janni M & D'Ovidio 2008 ALTR copia retrotransposon and Mutator transposons interrupt Pgi genes in cultivated and wild wheats. *Theoretical and Applied Genetics* 116: 859-867.
10609. Tsilo TJ, Jin Y & Anderson JA 2008 Diagnostic microsatellite markers for the detection of stem rust resistance gene Sr36 in diverse genetic backgrounds of wheat. *Crop Science* 48: 253-261.
10610. Janni M, Di Giovanni M, Roberti S, Capodicasa C & D'Ovidio 2006 Characterization of expressed Pgi genes in rice and wheat reveals similar extent of sequence variation to dicot PGIPs and identifies an active PGIP lacking an entire LRR repeat. *Theoretical and Applied Genetics* 113: 1233-1245.
10611. Tanio M & Kato K 2009 Development of near-isogenic lines for photoperiod-insensitive genes Ppd-B2 and Ppd-D1 carried by Japanese wheat cultivars and their effect on apical development. *Breeding Science* 57: 65-72.
10612. Wilhelm EP, Turner AS & Laurie DA 2009 Photoperid insensitive Ppd-A1a mutations in tetraploid wheat (*Triticum durum* Desf.). *Theoretical and Applied Genetics* 118: 285-294.
10613. Garvin DF, Stack RW & Hanson JM 2009 Quantitative trait locus mapping of increased head blight susceptibility associated with a wild emmer wheat chromosome. *Phytopathology* 99: 447-452.
10614. Bass C, Hendley R, Adams MJ, Hammond-Kosack KE & Kenyuka 2006 The Sbm1 locus conferring resistance to soil-borne cereal mosaic virus maps to a gene-rich region on 5DL in wheat. *Genome* 49: 1140-1148.
10615. Yang Y, Ma YZ, Xu ZS, Chen XM, He ZH, Yu Z, Wilkinson M, Jones HD, Shewry PR & Xia LQ 2007 Isolation and characterization of Viparous-1 genes in wheat cultivars with distinct ABA sensitivity and pre-harvest sprouting tolerance. *Journal of Experimental Botany* 58: 2863-2871.
10616. Xia LQ, Ganai MW, Shewry PR, He ZH, Yang Y & Roder MS 2008 Exploiting the diversity of Viviparous-1 gene associated with pre-harvest sprouting tolerance in European wheat varieties. *Euphytica* 159: 411-417.
10617. Zhang XK, Xiao YG, Zhang Y, Xia XC, Dubcovsky J & He ZH 2008 Allelic variation at the vernalization genes Vrn-A1, Vrn-B1, Vrn-D1 and Vrn-B3 in Chinese wheat cultivars and their association with growth habit. *Crop Science* 48: 458-470.
10618. Fang TL, Cheng Y, Li GQ, Xu SC, Xie CJ, You MS, Yang ZM, Sun QX & Liu ZY 2008 Molecular characterization of a stripe rust resistance gene from wheat line S2199 and its allelism with Yr5. *Acta Agronomica Sinica* 34: 355-360. In Chinese
10619. Hu TZ, Li HJ, Liu ZJ, Xie CJ, Zhou YL, Duan XY, Jia X, You MS, Yan ZM, Sun QX & Liu ZY 2008 Identification and molecular mapping of the powdery mildew resistance gene in wheat cultivar Yumai 66. *Acta Agronomica Sinica* 34: 545-550.

10620. Li H, Brooks S, Li WL, Fellers J, Nelson JC & Gill B 2009 Evolution of new disease specificity at a simple resistance locus in a crop-weed complex: reconstitution of the Lr21 gene in wheat. *Genetics* 182: 595-602.
10621. Yang Y, Chen XM, He ZH, Roder M & Xia LQ 2009 Distribution of Vp-1 alleles in Chinese white-grained landraces, historical and current wheat cultivars. *Cereal Research Communications* 37: 169-177.
10622. Yang FP, Zhang XK, Xia XC, Laurie DA, Yang WX & He ZH 2009 Distribution of the photoperiod insensitive Ppd1-D1a allele in Chinese wheat cultivars. *Euphytica* 165: 445-452.
10623. McCartney CA, Somers DJ, Fedak G, DePauw RM, Thomas J, Fox SL et al. 2007 The evaluation of FHB resistance QTLs introgressed into elite Canadian spring wheat germplasm. *Molecular Breeding* 20: 209-221.
10624. Tamburic-Ilincic L, Somers DJ, Fedak G & Schaafsma A 2009 Different quantitative trait loci for Fusarium resistance in wheat seedlings and adult stage in the Wuhan/Nyubai wheat population. *Euphytica* 165: 453-458.
10625. Zhang KP, Chen GF, Zhao L, Liu B, Xu XB & Tian JC 2009 Molecular genetic analysis of flour color using a doubled haploid population in bread wheat (*Triticum aestivum* L.). *Euphytica* 165: 471-484.
10626. Fofana B, Humphreys DG, Rasul G, Cloutier S, Brule-Babel A, Woods S, Lukow OM & Somers DJ 2009 Mapping quantitative trait loci controlling pre-harvest sprouting resistance in a red x white seeded spring wheat cross. *Euphytica* 165: 509-521.
10627. Pukhalsky VA, Udachin RA & Bilinskaya EN 2009 Hybrid necrosis genes in aboriginal wheats of Middle Asia in the light of the problem of the primary centers of biodiversity of the *Triticum* L. genus. *Euphytica* 165: 533-543.
10628. Khlestkina EK, Giura A, Roder MS & Borner A 2009 A new gene controlling the flowering response to photoperiod in wheat. *Euphytica* 165: 578-585.
10629. Yamamori M 2009 Amylose content and starch properties generated by five variant Wx alleles for granule-bound starch synthase in common wheat (*Triticum aestivum* L.). *Euphytica* 165: 607-614.
10630. Pukhalsky VA, Bilinskaya EN, Martynov SP, Dobrotvorskaya TV & Obolenkova GA 2008 New data on the distribution of hybrid necrosis genes in winter bread wheat (*Triticum aestivum* L.) cultivars. *Russian Journal of Genetics* 44: 177-179.
10631. Huynh B-L, Wallwork H, Stangoulis JCR, Graham RD, Willsmore KL, Olsen S & Mather DE 2008 Quantitative trait loci for grain fructan concentration in wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 117: 701-709.
10632. Kaur J, Bansal UK, Khanna R, Saini RG & Bariana HS 2009 Molecular mapping of stem rust resistance in HD2009/WL711 recombinant inbred line population. *International Journal of Plant Breeding* 3: 29-33.
10633. Ceoloni C, Forte P, Gennaro A, Micali S, Carozza R & Bitti A 2005 Recent developments in durum wheat chromosome engineering. *Cytogenetic and Genome Research* 109: 328-334.
10634. Liu SB, Cai SB, Graybosch R, Chen CX & Bai GH 2008 Quantitative trait loci for resistance to pre-harvest sprouting in US hard white winter wheat Rio Blanco. *Theoretical and Applied Genetics* 117: 691-699.
10635. Khlestkina EK, Salina EA, Pshenichnikova TA, Roder MS & Borner A 2009 Glume coloration in wheat: allelism, test, consensus mapping and its association with specific microsatellite allele. *Cereal Research Communications* 37: 37-43.
10636. Peng ZS, Martinek P, Kosuge K, Kuboyama T & Watanabe N 2008 Genetic mapping of a mutant gene producing three pistils per floret in common wheat. *Journal of Applied Genetics* 49: 135-139.

10637. Dolrovol'skaya O, Martinek P, Voylovkov V, Roder MS & Borner A 2009 Microsatellite mapping of mutant genes for altered inflorescence architecture in wheat (*T. aestivum*) and rye (*S. cereale*). Manuscript. (Jan 2009)
10638. Khlestkina EK, Roder MS & Borner A 2009 Identification of glume coloration genes in synthetic hexaploid and common wheats. eWIS-2009-0006
10639. Nga NTT, Hau VTB & Tosa Y 2009 Identification of genes for resistance to a *Digitaria* isolate of *Magnaporthe grisea* in common wheat cultivars. *Genome* 52: 801-809.
10640. Li Y, Song Y, Zhou R, Branlard G & Jia J 2009 Detection of QTLs for bread-making quality in wheat using a recombinant inbred line population. *Plant Breeding* 128: 235-243.
10641. Liu SX, Chao SM & Anderson JA 2008 New DNA markers for high molecular weight glutenin subunits in wheat. *Theoretical and Applied Genetics* 118: 177-183.
10642. An XL, Li XH, Xiong XJ, Yan YM, Zhang YZ, Gao LY, Wang AL, Wang K, Zeller FJ & Hsam SLK 2009 Identification and isolation of a new x-type HMW glutenin subunit 1Dx1.6t gene from *Aegilops tauschii*. *Plant Breeding* 128: 41-45.
10643. Fang JY, Liu Y, Luo J, Wang YS, Shewry PR & He GY 2009 Allelic variation and genetic diversity of high molecular weight glutenin subunit in Chinese endemic wheats (*Triticum aestivum* L.). *Euphytica* 166: 177-182.
10644. Jauhar PP, Peterson TS & Xu SS 2009 Cytogenetic and molecular characterization of a durum alien disomic addition line with enhanced tolerance to *Fusarium* head blight. *Genome* 52: 467-483.
10645. Hassani ME, Naghavi MR, Shariflou MR & Sharp PJ 2009 Identification of novel omega-gliadin gene in *Aegilops tauschii* using RFLP. *Cereal Research Communications* 37: 75-82.
10646. Dyck PL & Bartos 1994 Attempted transfer of leaf rust resistance from *Triticum monococcum* and durum wheat to hexaploid wheat. *Canadian Journal of Plant Science* 74: 733-736.
10647. Zhao JL, Chen MS, Ma YM, Li RJ, Ren YP, Sun QQ & Li SS 2009 QTL mapping for quality traits of Chinese dry noodle. *Agriculture Sciences in China* 8: 394-400.
10648. Krattinger SG, Lagudah ES, Spielmeier W, Singh RP, Huerta-Espino J, McFadden H, Bossolini E, Selter LL & Keller B 2009 A putative ABC transporter confers durable resistance to multiple fungal pathogens in wheat. *Science* 323: 1360-1363.
10649. Fu D, Uauy C, Distelfeld A, Blechl A, Epstein, L, Chen X, Sela, H, Fahima T & Dubcovsky J 2009 A kinase-START gene confers temperature-dependent resistance to wheat stripe rust. *Science* 323: 1357-1360.
10650. He XY, He ZH, Ma W, Appels R & Xia XC 2009 Allelic variants of phytoene synthase 1 (Psy1) genes in Chinese and CIMMYT wheat cultivars and development of functional markers for flour colour. *Molecular Breeding* 23: 553-563.
10651. He XY, Wang JW, He ZH, Ammar K, Pena RJ & Xia XC 2009 Allelic variants at the Psy-A1 and Psy-B1 loci in durum wheat and their associations with grain yellowness. *Crop Science* 49: 2058-2064. DOI: 10.2135/cropsci2008.11.0651.
10652. Wang JW, He XY, He ZH & Xia XC 2009 Cloning and phylogenetic analysis of PSY1 genes in common wheat and related species. *Hereditas* 146: 208-256.
10653. Singh A, Reimer S, Pozniak CJ, Clarke FR, Clarke JM, Knox RE & Singh AK. 2009 Allelic variation at Psy-A1 and association with yellow pigment in durum wheat grain. *Theoretical and Applied Genetics* 118: 1539-1548.
10654. Howitt CA, Cavanagh CR, Bowerman AF, Cazzonelli C, Rampling L, Mimica JL & Pogson BJ 2009 Alternative splicing, activation of cryptic exons and amino acid substitutions in carotenoid biosynthetic genes are associated with lutein accumulation in wheat endosperm. *Functional & Integrative Genomics* 9: 363 -376.

10655. Wang JW 2009 Cloning of phytoene synthase 1 (Psy1) genes in common wheat and related species and development of functional markers. Doctoral Dissertation, Northwest Sci-Tech University of Agriculture and Forestry, Yangling, China
10656. McIntosh et al. 2008 GeneCat
10657. He XY, He ZH, Morris CF & Xia XC 2009 Cloning and phylogenetic analysis of polyphenol oxidase genes in common wheat and related species. *Genetic Resources and Crop Evolution* 56: 311-321.
10658. Sun YW, He XY, He ZH & Xia XC 2009 GenBank registration
10659. Elangovan M, Rai R, Dholakia BB, Lagu MD, Tiwari R, Gupta RK, Rao VS, Roder MS & Gupta VS 2008 Molecular genetic mapping of quantitative trait loci associated with loaf volume in hexaploid wheat (*Triticum aestivum*). *Journal of Cereal Science* 47: 587-598.
10660. Feng DS, Chen FG, Zhao SY & Xia GM 2004 High-molecular-weight glutenin subunit genes in decaploid *Agropyron elongatum*. *Acta Botanica Sinica* 46: 489-496.
10661. Feng DS, Chen FG, Zhao SY & Xia GM 2004 Study on a novel HMW glutenin subunit coding region from *Agropyron elongatum*. *Acta Botanica Borealis Occident alis Sinica* 24: 237-242.
10662. Liu S, Xin G & Xia G 2008 Characterizing HMW-GS alleles of decaploid *Agropyron elongatum* in relation to evolution and wheat breeding. *Theoretical and Applied Genetics* 116: 325-334.
10663. Wang JR, Yan ZH, Wei YM & Zheng YL 2006 Characterization of high molecular weight glutenin subunit genes from *Elytrigia elongata*. *Plant Breeding* 125: 89-95.
10664. Zhao XL, Ma W, Gale KR, Lei ZS, He ZH, Sun QX, & Xia XC 2007 Identification of SNPs and development of functional markers for LMW -GS genes at Glu-D3 and Glu-B3 loci in bread wheat (*Triticum aestivum* L.). *Molecular Breeding* 20: 223-231.
10665. Zhao XL, Xia XC, He ZH, Lei ZS, Appels R, Yang Y, Sun QX & Ma W 2007 Novel DNA variations to characterize low molecular weight glutenin Glu-D3 genes and develop STS markers in common wheat. *Theoretical and Applied Genetics* 114: 451-460.
10666. Gadaleta A, Giancaspro A, Giove SL, Zacheo S, Mangini G, Someone R, Signorile A & Blanco A 2009 Genetic and physical mapping of new EST-derived SSRs on the A and B genome chromosomes of wheat. *Theoretical and Applied Genetics* 118: 1015-1025.
10667. Wang LM, Zhang ZY, Liu HJ, He MZ, Liu HX, Veisz O & Xin ZY 2009 Identification, gene postulation and molecular tagging of a stripe rust resistance gene in synthetic wheat CI142. *Cereal Research Communications* 37: 209-215.
10668. Singh PK, Mergoum M, Adhikari TB, Shah T, Ghavami F & Kianian SF 2010 Genetic and molecular analysis of wheat tan spot resistance effective against *Pyrenophora tritici-repentis* races 2 and 5. *Molecular Breeding* 25: 369-379.
10669. Mares D, Rathjen J, Mrva K & Cheong J 2009 Genetic and environmental control of dormancy in white grained wheat (*Triticum aestivum* L.). *Euphytica* 168: 311-318.
10670. Moher A, Kulwal P, Singh R, Kumar V, Rouf Mir R, Kumar J, Prasad M, Balyan HS & Gupta PK 2009 Genome-wide QTL analysis for pre-harvest sprouting tolerance in bread wheat. *Euphytica* 168: 319-329.
10671. Rosul G, Humphreys DG, Brule-Babel A, McCartney CA, Knox RE, DePauw RM & Somers DJ 2009 Mapping QTLs for pre-harvest sprouting traits in the spring wheat cross 'RL4452/ACDomain'. *Euphytica* 168: 363-378.
10672. Lin F & Chen XM 2009 Quantitative trait loci for non-race-specific, high temperature adult-plant resistance to stripe rust in wheat cultivar Express. *Theoretical and Applied Genetics* 118: 631-642.
10673. Cheng P & Chen XM 2009 Molecular mapping of a gene for resistance to stripe rust in



- spring wheat cultivar IDO377s. *Theoretical and Applied Genetics* 121: 195-204.
10674. Sui XX, Wang MN & Chen XM 2009 Molecular mapping of a stripe rust resistance gene in spring wheat cultivar Zak. *Phytopathology* 99: 1209-1215.
10675. Hiebert CW, Thomas JB, McCallum BD, Humphries DG, DePauw RM, Hayden MJ, Mago R, Schnippenkoetter W & Spielmeyer W 2010 An introgression on wheat chromosome 4DL in RL6077 (Thatcher\*6/PI 250413) confers adult plant resistance to stripe rust and leaf rust. *Theoretical and Applied Genetics* 121: 1083-1091.
10676. Dyck PL, Kerber ER & Aung T 1994 An interchromosomal reciprocal translocation in wheat involving leaf rust resistance gene Lr34. *Genome* 37: 556-559.
10677. Li Q, Chen XM, Wang MN & Jing JX 2011 Yr45, a new wheat gene for stripe rust resistance on the long arm of chromosome 3D. *Theoretical and Applied Genetics* 122: 189-197.
10678. Herrera-Foessel SA, Lagudah ES, Huerta-Epino J, Hayden M, Bariana H, Singh D & Singh RP 2011 New slow-rusting leaf rust and stripe rust resistance genes Lr67 and Yr46 are pleiotropic or closely linked. *Theoretical and Applied Genetics* 122: 239-249.
10679. Bansal UK, Forrest KL, Hayden MJ, Miah H, Singh D & Bariana HS 2011 Characterisation of a new stripe rust resistance gene Yr47 and its genetic association with the leaf rust resistance gene Lr52. *Theoretical and Applied Genetics* 122: 1461-1466.
10680. Lan CX, Liang SS, Wang ZL, Yan J, Zhang Y, Xia XC & He ZH 2009 Quantitative trait loci mapping for adult-plant resistance to powdery mildew in Chinese wheat cultivar Bainong 64. *Phytopathology* 99: 1121-1126.
10681. Lillemo M, Skjinner H, Brown JKM 2010 Race-specific resistance to powdery mildew in Scandinavian wheat cultivars, breeding lines and introduced genotypes with partial resistance. *Plant Breeding* 129: 297-303.
10682. Li ZF, Xia XC, He ZH, Zhang LJ, Wang HY, Meng QF, Yang WX, Li GQ & Liu DQ 2010 Seedling and slow rusting resistance to leaf rust in Chinese wheat cultivars. *Plant Disease* 94: 45-53.
10683. Croley NA 2010 Personal communication.
10684. Randhawa HS, Popovic Z, Menzies, Knox R & Fox S 2009 Genetics and identification of molecular markers linked to resistance to loose smut (*Ustilago tritici*) race T33 in durum wheat. *Euphytica* 169: 151-157.
10685. Hall MD, Brown-Guedira G, Klatt A & Fritz AK 2009 Genetic analysis of resistance to soil-borne wheat mosaic virus derived from *Aegilops tauschii*. *Euphytica* 169: 169-176.
10686. Ren TH, Yang ZJ, Yan BJ, Zhang HQ, Fu SL & Ren ZL 2009 Development and characterization of a new 1BL.1RS translocation line with resistance to stripe rust and powdery mildew of wheat. *Euphytica* 169: 207-313.
10687. Singh D, Simmonds J, Park RF, Bariana HS & Snape JW 2009 Inheritance and QTL mapping of leaf rust resistance in the European winter wheat cultivar gBeaver h. *Euphytica* 169: 253-261.
10688. Faris JD & Friesen TL 2009 Reevaluation of a tetraploid wheat population indicates that the Tsn1-ToxA interaction is the only factor governing *Stagonospora nodorum* blotch susceptibility. *Phytopathology* 99: 906-912.
10689. Dedryver F, Paillard S, Mallard S, Robert O, Trottet M, Negre S, Verplancke G & Jahier J 2009 Characterization of genetic components involved in durable resistance to stripe rust in the bread wheat 'Renan'. *Phytopathology* 99: 969-973.
10690. Singh PK, Singh RP, Duveiller E, Mergoum M, Adikhari TB & Elias EM 2010 Genetics of wheat-Pyrenophora tritici-repentis interactions. *Euphytica* 171: 1-13.
10691. Marais GF, Badenhorst PE, Eksteen & Pretorius ZA 2010 Reduction of *Aegilops*

- sharonensis chromatin associated with resistance genes Lr56 and Yr38 in wheat. *Euphytica* 171: 15-22.
10692. Khlestkina EK, Roder MS & Borner A 2010 Mapping genes controlling anthocyanin pigmentation on the glume and pericarp in tetraploid wheat (*Triticum durum* L.). *Euphytica* 171: 65-69.
10693. Lan CX, Liang SS, Zhou XC, Zhou G, Lu QL, Xia XC & He ZH 2010 Identification of genomic regions controlling adult-plant stripe rust resistance in Chinese landrace Pingyuan 50 through bulked segregant analysis. *Phytopathology* 100: 313-318.
10694. Tatineni S, Graybosch RA, Hein GL, Wegulo SN & French R 2010 Wheat cultivar-specific disease synergism and alteration of virus accumulation during co-infection with wheat streak mosaic virus and triticum mosaic virus. *Phytopathology* 100: 230-238.
10695. Santra DK, Santra M, Allan RE, Campbell KG & Kidwell KK 2009 Genetic and molecular characterization of vernalization genes *Vrn-A1*, *Vrn-B1* and *Vrn-D1* in spring wheat germplasm from the Pacific Northwest region of the U.S.A. *Plant Breeding* 128: 576-584.
10696. Pu ZJ, Chen GY, Wei YM, Han ZH & Zheng YL 2010 Identification and molecular tagging of a stripe rust resistance gene in wheat line P81. *Plant Breeding* 129: 53-57.
10697. Singh D, Park RF, McIntosh RA & Bariana HS 2008 Characterisation of stem rust and stripe rust seedling resistance genes in selected wheat cultivars from the United Kingdom. *Journal of Plant Pathology* 90: 553-556.
10698. Haberle J, Holzapfel J, Schweizer G & Hartl L 2009 A major QTL for resistance against *Fusarium* head blight in European wheat. *Theoretical and Applied Genetics* 119: 325-332.
10699. Anonymous 2008 Cereal Rust Bulletin No. 10. Cereal Disease Laboratory, USDA, University of Minnesota, St Paul, MN, USA
10700. Khestkina EK, Pshenichnikova TA, Roder MS & Borner A 2010 Clustering of anthocyanin pigmentation genes in wheat group 7 chromosomes. *Cereal Research Communications* 37: 391-398.
10701. Wang ZL, Lang L, Uhrin A, Veisz, Lu SD & Vida G 2010 Identification of the Lr34/Yr18 rust resistance gene region in a Hungarian wheat breeding programme. *Cereal Research Communications* 37: 431-440.
10702. Sun XC, Marza F, Ma HX, Carver BF & Bai GH 2010 Mapping quantitative trait loci for quality factors in an inter-cross of US and Chinese wheat. *Theoretical and Applied Genetics* 120: 1041-1051.
10703. Ma J, Li HB, Zhang CY, Yang XM, Liu YX, Yan GJ & Liu CJ 2010 Identification and validation of a major QTL conferring crown rot resistance in hexaploid wheat. *Theoretical and Applied Genetics* 120: 1119-1128.
10704. Bansal U 2010 Personal communication.
10705. Lowe I, Jankuloski L, Chao SM, Chen XM, See D & Dubcovsky J 2011 Mapping and validation of QTL which confer partial resistance to broadly virulent post-2000 North American races of stripe rust in hexaploid wheat. *Theoretical and Applied Genetics* 123: 143-157.
10706. Xu WG, Li CX, Hu L, Zhang L, Zhang JZ, Dong HB & Wang GS 2010 Molecular mapping of powdery mildew resistance gene *PmHnk* in winter wheat (*Triticum aestivum* L.) cultivar Zhoumai 22. *Molecular Breeding* 26: 31-38. DOI 10.1007/s11032-009-9374-8
10707. Lan CX, Ni XW, Yan J, Zhang Y, Xia XC, Chen XM & He ZH 2010 Quantitative trait loci mapping of adult-plant resistance to powdery mildew in Chinese wheat cultivar Lumai 21. *Molecular Breeding* 25: 615-622.
10708. Dhillon T, Pearce SP, Stockinger EJ, Distelfeld A, Li C, Knox AK, Vashegyi I, Vagujfalvi A, Galiba G, & Dubcovsky J 2010 Regulation of freezing tolerance and flowering regulation in

- cereals: the VRN-1 connection. *Plant Physiology* 153: 1846-1858.
10709. Iqbal M, Navabi A, Yang RC, Salmon DF & Spaner D 2007 Molecular characterization of vernalization response genes in Canadian spring wheat. *Genome* 50: 511-516.
10710. Distelfeld A, Tranquilli G, Li C, Yan L & Dubcovsky J 2009 Genetic and molecular characterization of the VRN2 loci in tetraploid wheat. *Plant Physiology* 149: 245-257.
10711. Yoshida T, Nishida H, Zhu J, Nitcher R, Distelfeld A, Akashi Y, Kato K & Dubcovsky J 2010 Vrn-D4 is a vernalization gene located on the centromeric region of chromosome 5D in hexaploid wheat. *Theoretical and Applied Genetics* 120: 543-552.
10712. Zhang W, Olson E, Saintenac C, Rouse M, Abate Z, Jin Y, Akhunov ED, Pumphrey M & Dubcovsky J 2010 Genetic maps of stem rust resistance gene Sr35 in diploid and hexaploid wheat. *Crop Science* 50: 2464-2474.
10713. Lagudah ES, Krattinger SG, Herrera-Foessel S, Singh R, Huerta-Espino J, Spielmeier W, Brown-Guedira, Selter LL & Keller B 2009 Gene-specific markers for the wheat gene Lr34/Yr18/Pm38 which confer, resistance to multiple pathogens. *Theoretical and Applied Genetics* 119: 889-898.
10714. Tsilo TJ, Chao SM, Jin Y & Anderson JA 2009 Identification and validation of SSR markers linked to the stem rust resistance gene Sr6 on the short arm of chromosome 2D in wheat. *Theoretical and Applied Genetics* 118: 515-524.
10715. El Bouhssini M, Chen M, Lhaloui S, Zharmukhamedova G & Rihawi F 2008 Virulence of Hessian fly (Diptera: Cecidomyiidae) in the Fertile Crescent. *Journal of Applied Entomology* 133: 381-385.
10716. Zhang YL, Wu YP, Xiao YG, He ZH, Zhang Y, Yan J, Zhang Y, Xia XC & Ma CX 2009 QTL mapping for flour and noodle colour components and yellow pigment content in common wheat. *Euphytica* 165: 435-444.
10717. Chu C-G, Friesen TL, Xu SS, Faris JD & Kolmer JA 2009 Identification of novel QTLs for seedling and adult plant leaf rust resistance in a wheat doubled haploid population. *Theoretical and Applied Genetics* 119: 263-269.
10718. Srinivasachary, Gosman N, Steed A, Hollins TW, Bayles R, Jennings P & Nicholson P 2009 Semi-dwarfing Rht-B1 and Rht-D1 loci of wheat differ significantly in their influence on resistance to Fusarium head blight. *Theoretical and Applied Genetics* 11: 695-702.
10719. Kumar U, Joshi AK, Kumar S, Chand R & Roder S 2009 Mapping of resistance to spot blotch caused by *Bipolaris sorokiniana* in spring wheat. *Theoretical and Applied Genetics* 118: 783-792.
10720. Bansal UK, Hayden MJ & Bariana HS 2010 Chromosomal location of an uncharacterized stripe rust resistance gene in wheat. *Euphytica* 171: 121-127.
10721. Menzies JG, Knox RE, Popovic Z & Procinier JD 2006 Common bunt resistance gene Bt10 located on chromosome 6D. *Canadian Journal of Plant Science* 86: 1409-1412.
10722. Chen YH, Carver BF, Wang SW, Zhang FQ & Yan LL 2009 Genetic loci associated with stem elongation and winter dormancy release in wheat. *Theoretical and Applied Genetics* 118: 881-889.
10723. Ma J, Li HB, Zhang CY, Yang XM, Liu YX, Yan GJ & Liu CJ 2010 Identification and validation of a major QTL conferring crown rot resistance in hexaploid wheat. *Theoretical and Applied Genetics* 120: 1119-1128.
10724. Zhang Z, Friesen TL, Simons KJ, Xu SS & Faris JD 2009 Development, identification, and validation of markers for marker-assisted selection against the *Stagonospora nodorum* toxin sensitivity genes Tsn1 and Snn2 in wheat. *Molecular Breeding* 23: 35-49.
10725. Abeysekara NS, Friesen TL, Keller B & Faris JD 2009 Identification and characterization of a novel-toxin interaction in the wheat-*Stagonospora nodorum* pathosystem. *Theoretical and Applied Genetics* 120: 1129-1138.

- Applied Genetics 120: 117-126.
10726. Friesen TL, Faris JD, Solomon PS & Oliver RP 2008 Host-specific toxins: effectors of necrotrophic pathogenicity. *Cellular Microbiology* 10: 1421-1428.
10727. Reddy L, Friesen TL, Meinhardt SW, Chao SM & Faris JD 2008 Genomic analysis of the Snn1 locus on wheat chromosome arm 1BS and the identification of candidate genes. *The Plant Genome* 1: 55-66.
10728. Friesen TL, Zhang Z, Solomon PS, Oliver RP & Faris JD 2008 Characterization of the interaction of a novel *Stagonospora nodorum* host-selective toxin with wheat susceptibility gene. *Plant Physiology* 146: 682-693.
10729. Wei B, Jing RL, Wang CS, Chen JB, Mao XG, Chang XP & Jia JZ 2009 Dreb1 genes in wheat (*Triticum aestivum* L.): development of functional markers and gene mapping based on SNPs. *Molecular Breeding* 23: 13-22.
10730. Xu SS, Chu CG, Chao S, Klindworth DL, Faris JD & Elias EM 2010 Marker-assisted characterization of durum wheat Langdon-Golden Ball disomic substitution lines. *Theoretical and Applied Genetics* 120: 1575-1585.
10731. Sun XC, Bai GH & Carver BF 2009 Molecular markers for leaf rust resistance gene Lr41. *Molecular Breeding* 23: 311-321.
10732. Saito M, Vrinten P, Ishikawa G, Graybosch R & Nakamura T 2009 A novel codominant marker for selection of the null Wx-B1 allele in wheat breeding programs. *Molecular Breeding* 23: 209-217.
10733. Hiebert CW, Fetch TG, Zegeye T, Thomas JB, Somers DJ, Humphreys DG, McCallum BD, Cloutier S, Singh D & Knott DR 2011 Genetics and mapping of seedling resistance to Ug99 stem rust in Canadian wheat cultivars 'Peace' and 'Cadillac'. *Theoretical and Applied Genetics* 122: 143-149.
10734. Maccaferri M, Mantovani P, Tuberosa R, DeAmbrogio E, Giuliani S, Demontis A, Massi A & Sanguineti MC 2008 A major QTL for durable leaf rust resistance widely exploited in durum wheat breeding programs maps on the distal region of chromosome arm 7BL. *Theoretical and Applied Genetics* 117: 1225-1240.
10735. Marone D, Del Olmo AI, Laido G, Sillera JC, Emeran AA, Russo MA, Ferragonio P, Giovanniello V, Mazzucotelli E, De Leonardis AM, De Vita P, Blanco A, Cattivelli L, Rubiales D & Mastrangelo AM 2009 Genetic analysis of durable resistance against leaf rust in durum wheat. *Molecular Breeding* 24: 25-39.
10736. Maccaferri M, Sanguineti MC, Mantovani P, Demontis A, Massi A, Ammar K, Kolmer JA, Czembor JH, Ezrati S & Tuberosa R 2010 Association mapping of leaf rust response in durum wheat. *Molecular Breeding* 26: 189-228.
10737. Bainotti C, Frascina J, Salines JH, Nisi JE, Dubcovsky J, Lewis SM, Bullrich L, Vanzetti L, Cuniberti M, Campos P, Formica MB, Masiero B, Alberione E & Helguera M 2009 Registration of 'BIOINTA 2004' wheat. *Journal of Plant Registrations* 3(2): 165-169.
10738. Samsampour D, Zanjani BM, Pallavi JK, Singh A, Charpe A, Gupta SK & Prabhu KV 2010 Identification of molecular markers linked to adult plant leaf rust resistance gene Lr48 in wheat and detection of Lr48 in the Thatcher near-isogenic line with gene Lr25. *Euphytica* 174: 337-342.
10739. Wang Y, Peng H, Liu G, Xie C, Ni Z, Yang T, Liu Z & Sun Q 2010 Identification and molecular mapping of a leaf rust resistance gene in spelt wheat landrace Altgold. *Euphytica* 174: 371-375.
10740. Singh R, Matus-Cadiz M, Baga M, Hucl P & Chibbar RN 2010 Identification of genomic regions associated with seed dormancy in white-grained wheat. *Euphytica* 174: 391-408.
10741. Mago R, Zhang P, Bariana H, Verlin DC, Bansal UK, Ellis JG & Dundas IS 2009

- Development of wheat lines carrying stem rust resistance gene Sr39 with reduced *Aegilops speltoides* chromatin and simple PCR markers for marker-assisted selection. *Theoretical and Applied Genetics* 119: 1441-1450.
10742. Kolmer JA 2010 Genetics of leaf rust resistance in the soft red winter wheat cultivars Coker 9663 and Pioneer 26R61. *Plant Disease* 94: 628-632.
10743. Li T & Bai GH 2009 Lesian mimic associates with adult plant resistance to leaf rust infection in wheat. *Theoretical and Applied Genetics* 119: 13-21.
10744. Schmolke M, Mohler V, Hartl L, Zeller FJ & Hsam SLK 2010 A novel powdery mildew resistance allele at the Pm4 locus from einkorn wheat (*Triticum monococcum*). *Molecular Breeding* 29: 449-456.
10745. Anugrahwati DR, Shepherd KW, Verlin DC, Zhang P, Mirzaghaderi G, Alker E, Francki MG & Dundas IS 2008 Isolation of wheat-rye IRS recombinants that break the linkage between the stem rust resistance gene SrR and secalin. *Genome* 51: 341-349.
10746. Spielmeier W, et al. 2010 Personal communication.
10747. Singh B, Bansal UK, Forrest KL, Hayden MJ, Hare RA & Bariana HS 2010 Inheritance and chromosome location of leaf rust resistance in durum wheat cultivar Wollaroi. *Euphytica* 175: 351-355.
10748. Tikhenko N, Tsvetkova N, Voylokov A, Dobrovolskaya O, Zaynali K, Nezhad KZ, Roder MS & Borner A 2010 Embryo lethality in wheat x rye hybrids ? mode of inheritance and the identification of a complementary gene in wheat. *Euphytica* 176: 191-198.
10749. Singh K, Chhuneja P, Singh I, Sharma SK, Garg T, Garg M, Keller B & Dhaliwal HS 2010 Molecular mapping of cereal cyst nematode resistance in *Triticum monococcum* L. and its transfer to the genetic background of cultivated wheat. *Euphytica* 176: 213-222.
10750. Nishio Z, Kojima H, Hayata A, Iriki N, Tabiki T, Ito M, Yamauchi H & Murray TD 2010 Mapping a gene conferring resistance to wheat yellow mosaic virus in European winter wheat cultivar 'Ibis' (*Triticum aestivum* L.). *Euphytica* 176: 223-229.
10751. Bariana HS, Bansal UK, Schmidt A, Lehmensiek A, Kaur J, Miah H, Howes N & McIntyre CL 2010 Molecular mapping of adult plant stripe rust resistance in wheat and identification of pyramided QTL genotypes. *Euphytica* 176: 251-260.
10752. Leonova IN, Budashkina EB, Flath K, Weidner A, Borner A & Roder MS 2010 Microsatellite mapping of a leaf rust resistance gene transferred to common wheat from *Triticum timopheevii*. *Cereal Research Communication* 38: 211-219.
10753. Sun XC, Bockus W & Bai GH 2010 Quantitative trait loci for resistance to *Pyrenophora tritici-repentis* race 1 in a Chinese wheat. *Phytopathology* 100: 468-473.
10754. Sharp PJ 2010 Personal communication.
10755. Cane K, Sharp PJ, Eagles HA, Eastwood RF, Hollamby GJ, Kuchel H, Lu M & Martin PJ 2008 The effects on grain quality traits of a grain serpin protein and the VPM1 segment in southern Australian wheat breeding. *Australian Journal of Agricultural Research* 59: 883-890.
10756. Faris JD, Zhang Z, Lu H, Lu S, Reddy L, Cloutier S, Fellers JP, Meinhardt SW, Rasmussen JB, Xu SS, Oliver RP, Simons KJ & Friesen TL 2010 A unique wheat disease resistance-like gene governs effector-triggered susceptibility to necrotrophic pathogens. *Proceedings of the National Academy of Sciences of USA* 107: 13544-13549.
10757. Chu CG, Friesen TL, Xu SS, Faris JD & Kolmer JA 2009 Identification of novel QTLs for seedling and adult plant leaf rust resistance in a wheat doubled haploid population. *Theoretical and Applied Genetics* 119: 263-269.
10758. Cowger C, Parks R & Marshall D 2009 Appearance of powdery mildew of wheat caused by *Blumeria graminis* f. sp. *tritici* on Pm17-bearing cultivars in North Carolina. *Plant Disease*

- 93: 1219.
10759. Zhang P, McIntosh RA, Hoxha S, Dong CM 2009 Wheat stripe rust resistance genes Yr5 and Yr7 are allelic. *Theoretical and Applied Genetics* 120: 25-29.
10760. Loutre C, Wicker T, Travella S, Galli P, Scofield S, Fahima T, Feuillet C, Keller B 2009 Two different CC-NBS-LRR genes are required for Lr10-mediated leaf rust resistance in tetraploid and hexaploid wheat. *The Plant Journal* 60: 1043-1054.
10761. Okubara PA, Steber CM, DeMacon VL, Walter NL, Paulitz TC, & Kidwell KK 2009 Scarlet-Rz1, an EMS-generated hexaploid wheat with tolerance to the soilborne necrotrophic pathogens *Rhizoctonia solani* AG-8 and *R. oryzae*. *Theoretical and Applied Genetics* 119: 293-303.
10762. Marais GF, Kotze L & Ekstein A 2010 Allosyndetic recombinants of the Aegilops peregrina- derived Lr59 translocation in common wheat. *Plant Breeding* 129: 356-361.
10763. Vanzetti LS, Pfluger L, Bainotti CT, Jensen C & Helguera M 2010 Identification of a null allele at the Wx-A1 locus in durum wheat (*Triticum turgidum* L. ssp. durum Desf.). *Plant Breeding* 129: 718-720.
10764. Lu H, Rudd JC, Burd JD & Weng Y 2011 Molecular mapping of greenbug resistance genes Gb2 and Gb6 in 1AL.1RS wheat-rye translocations. *Plant Breeding* 129: 472-476.
10765. Tadesse W, Reents HJ, Hsam SLK & Zeller FJ 2010 Monosomic analysis of tanspot resistance gene in the winter cultivar 'Arina'. *Plant Breeding* 129: 477-479.
10766. Fu YB, Peterson GW, McCallum BD & Huang L 2010 Population-based resequencing analysis of improved wheat germplasm in wheat leaf rust resistance locus Lr21. *Theoretical and Applied Genetics* 121: 271-281.
10767. Watanabe N 2008 Genetic collection and development of near-isogenic lines in durum wheat. *Vestnik VOGiS* 12: 636-643.
10768. Haberle J, Holzappel J, Schweizer G & Hartl L 2009 A major QTL for resistance against *Fusarium* head blight in European winter wheat. *Theoretical and Applied Genetics* 119: 325-332.
10769. Sood S, Kuraparthy V, Bai GH & Bill BS 2009 The major threshability genes soft glume (sog) and tenacious glume (Tg), of diploid and polyploid wheat, trace their origin to independent mutations at non-orthologous loci. *Theoretical and Applied Genetics* 119: 341-351.
10770. Kuraparthy V, Sood S, See DR & Gill BS 2009 Development of a PCR assay and marker-assisted transfer of leaf rust and stripe rust resistance genes Lr57 and Yr40 into hard red winter wheats. *Crop Science* 49: 120-126.
10771. Burt C, Hollins TW & Nicholson 2011 Identification of a QTL conferring seedling and adult plant resistance to eyespot on chromosome 5A of Cappelle Desprez. *Theoretical and Applied Genetics* 122: 119-128.
10772. Periyannan SK, Bansal UK, Bariana HS, Pumphrey M & Lagudah ES 2011 A robust molecular marker for the detection of shortened introgressed segment carrying the stem rust resistance gene Sr22 in common wheat. *Theoretical and Applied Genetics* 122: 1-7.
10773. Olsen E, Brown-Guedira G, Marshall D, Stack E, Bowden RL, Jin Y, Rouse M & Pumphrey MO 2010 Development of wheat lines having a small introgressed segment carrying stem rust resistance gene Sr22. *Crop Science* 50: 1823-1830.
10774. Qi LL, Pumphrey MO, Friebe B, Qian C, Bowden RL, Rouse MN, Jin Y & Gill BS 2011 A novel Robertsonian event leads to transfer of a stem rust resistance gene (Sr52) effective against race Ug99 from *Dasypyrum villosum* into wheat. *Theoretical and Applied Genetics* 123: 153-167.
10775. Liu W, Seifers DL, Qi LL, Pumphrey MO, Friebe B & Gill BS 2011 A compensating

- wheat-*Thinopyrum intermedium* Robertsonian translocation conferring resistance to wheat streak mosaic virus and *Triticum mosaic virus*. *Crop Science* 51: 2382-2390.
10776. Uphaus J, Walker M, Shankar H, Golzar H, Loughman R, Francki M & Ohm H 2009 Quantitative trait loci identified for resistance to *Stagonospora glume blotch* in wheat in the USA and Australia. *Crop Science* 47: 1813-1822.
10777. Simons K, Abate Z, Chao SM, Zhang WJ, Rouse M, Jin Y, Elias E & Dubcovsky J 2011 Genetic mapping of stem rust resistance gene Sr13 in tetraploid wheat (*Triticum turgidum* ssp. *durum* L.). *Theoretical and Applied Genetics* 122: 649-658.
10778. Admassu B, Perovic D, Friedt W & Ordan F 2011 Genetic mapping of the stem rust (*Puccinia graminis* f. sp. *tritici* Eriks. & E. Henn) resistance gene Sr13 in wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 122: 6430-648.
10779. Dubcovsky J, Ordan F, Perovic D, Admassu B, Friedt W, Abate Z, Zhang W & Chao S 2011 Conflicting mapping results for stem rust resistance gene Sr13. *Theoretical and Applied Genetics* 122: 659.
10780. Dadkhodaie NA, Karaoglou H, Wellings CR & Park RF 2011 Mapping genes Lr53 and Yr35 on the short arm of chromosome 6B of common wheat with microsatellite markers and studies of their association with Lr36. *Theoretical and Applied Genetics* 122: 479-487.
10781. Su ZQ, Hao CY, Wang LF, Dong YC & Zhang ZY 2011 Identification and development of a functional marker of TaGW2 associated with grain weight in bread wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 122: 211-223.
10782. Li HB, Yan W, Liu GR, Wen SM & Liu CJ 2011 Identification and validation of quantitative trait loci conferring tan spot resistance in the bread wheat variety Ernie. *Theoretical and Applied Genetics* 122: 395-403.
10783. Wang SW, Knox RE, DePauw RM, Clarke FR, Clarke JM & Thomas JB 2009 Markers to a common bunt resistance gene derived from 'Blizzard' wheat (*Triticum aestivum* L.) and mapped to chromosome arm 1BS. *Theoretical and Applied Genetics* 119: 541-553.
10784. Deng SM, Wu XR, Wu YY, Zhou RH, Wang HG, Jia JZ & Liu SB 2011 Characterization and precise mapping of a QTL increasing spike number with pleiotropic effects in wheat. *Theoretical and Applied Genetics* 122: 281-289.
10785. Jagger LJ, Newell C, Berry ST, MacCormack R & Boyd LA 2011 The genetic characterization of stripe rust resistance in the German wheat cultivar Alcedo. *Theoretical and Applied Genetics* 122: 723-733.
10786. Mago R, Simkova H, Brown-Guedira G, Dreisigacker S, Breen J, Jin Y, Singh R, Appels R, Lagudah ES, Ellis J, Dolezel & Spielmeier W 2011 An accurate DNA marker assay for stem rust resistance gene Sr2 in wheat. *Theoretical and Applied Genetics* 122: 635-744.
10787. Kolmer JA 2009 Genetics of leaf rust resistance in the soft red winter wheat 'Caldwell'. *Crop Science* 49: 1187-1192.
10788. Friebe B, Qi LL, Wilson DL, Chang ZJ, Seifers DL, Martin TJ, Fritz AK & Gill BS 2009 Wheat-*Thinopyrum intermedium* recombinants resistant to wheat streak mosaic virus and *Triticum mosaic virus*. *Crop Science* 49: 1221-1226.
10789. Liu WX, Jin Y, Rouse M, Friebe B, Gill B & Pumphrey MO 2010 Untitled abstract.
10790. Chen Y, Zhang ZY, Li HJ, Liu ZY, Veisz O, Vida G 2011 Pm44, a new gene for powdery mildew resistance on the short arm of wheat chromosome 3A. Draft manuscript.
10791. Ma HQ, Kong Z, Fu B, Li N, Zhang L, Jia H & Ma Z 2011 Identification and mapping of a new powdery mildew resistance gene on chromosome 6D of common wheat. *Theoretical and Applied Genetics* 123: 1099-1106.
10792. Goyeau H & Lannou C 2011 Specific resistance to leaf rust expressed at the seedling stage in cultivars grown in France from 1983 to 2007. *Euphytica* 178: 45-62.

10793. Holzapfel J, Voss H-H, Miedaner T, Korzun V, Haberle J, Schweizer G, Mohler V & Zimmerman G 2008 Inheritance of resistance to Fusarium head blight in three European winter wheat populations. *Theoretical and Applied Genetics* 117: 1119-1128.
10794. Hysing S-C, Singh RP, Huerta-Espino J, Merker A, Liljeroth E & Diaz O 2006 Leaf rust (*Puccinia triticina*) resistance in wheat (*Triticum aestivum*) cultivars grown in Northern Europe 1992-2002. *Hereditas* 143: 1-14.
10795. Rafiei Boroujeni F, Arzani A, Afshari F & Tobar M 2011 Identification and inheritance of leaf rust resistance genes in the wheat cultivar 'Marvdasht'. *Cereal Research Communications* 39: 67-76.
10796. Jia JQ, Li GR, Liu C, Lei MP & Yang ZJ 2011 Characterization of wheat yellow rust resistance gene Yr17 using EST-SSR and rice syntenic region. *Cereal Research Communications* 39: 88-99.
10797. Feng J, Zuo LL, Zhang ZY, Lin RM, Cao YY & Xu SC 2011 Quantitative trait loci for temperature-sensitive resistance to *Puccinia striiformis* f. sp. *tritici* in wheat cultivar Flinor. *Euphytica* 178: 321-329.
10798. Jayatilake DV, Bai GH & Dong YH 2011 A novel quantitative trait locus for Fusarium head blight resistance in chromosome 7A of wheat. *Theoretical and Applied Genetics* 122: 1189-1198.
10799. Kaloshian I, Waines JG, Roberts P & Thomason IJ 1991 Chromosomal location of root-knot-resistance gene in the D genome of wheat. *Journal of Heredity* 82: 254-256.
10800. Coriton O, Barloy D, Huteau V, Lemoine J, Tanguy AM & Jahier J 2009 Assignment of *Aegilops variabilis* Eig chromosomes and translocations carrying resistance to nematodes in wheat. *Genome* 52: 338-346.
10801. Williamson V & Dubcovsky J 2010 The new resistance gene to root-knot nematodes Rkn3 is present in the 2NS introgression from *Ae. ventricosa* into common wheat. In preparation.
10802. Lu HJ, Kottke R, Devkota R, St Amand P, Bernado A, Bai GH, Martin J, Haley S & Rudd J 2011 Molecular mapping of Wsm2 for wheat streak virus resistance in winter wheat line CO960293-2. *Plant & Animal Genome Conf*, San Diego, CA.
10803. Liu WX, Jin Y, Rouse M, Friebe B, Gill B, Pumphrey MO 2011 Development and characterization of wheat-*Ae. searsii* Robertsonian translocations and a recombinant chromosome conferring resistance to stem rust. *Theoretical and Applied Genetics* 122: 1537-1545.
10804. Liu L, Ikeda TM, Branlard G, Pena RJ, Rogers WJ, Lerner SE, Kolman MA, Xia X, Wang L, Ma W, Appels R, Yoshida H, Wang A, Yan Y & He Z 2010 Comparison of low molecular weight glutenin subunits identified by SDS-PAGE, 2-DE, MALDI-TOF-MS and PCR in common wheat. *BMC Plant Biology* 2010 10: 124.
10805. Alvarez JB, Moral A & Martin LM 2006 Polymorphism and genetic diversity for the seed storage proteins in Spanish cultivated einkorn wheat (*Triticum monococcum* L. ssp. *monococcum*). *Genetic Resources and Crop Evolution* 53: 1061-1067.
10806. Caballero L, Martin MA & Alvarez JB 2008 Allelic variation for the high- and low-molecular-weight glutenin subunits in wild diploid wheat (*Triticum urartu*) and its comparison with durum wheats. *Australian Journal of Agricultural Research* 59: 906-910.
10807. Gao X, Appelbee MJ, Mekuria GT, Chalmers KJ & Mather DE Two different x-type glutenin subunits encoded by a novel allele at the Glu-B1 locus of wheat (submitted).
10808. Liu L, Wang A, Appels R, Ma J, Xia X, Lan P, He Z, Bekes F, Yan Y & Ma W 2009 A MALDI-TOF based analysis of high molecular weight glutenin subunits for wheat breeding. *Journal of Cereal Science* 50: 295-301.
10809. Carmona S, Alvarez JB & Caballero L 2010 Genetic diversity for morphological traits and



- seed storage proteins in Spanish rivet wheat. *Biologia Plantarum* 54: 69-75.
10810. Caballero L, Pena RJ, Martin LM & Alvarez JB 2010 Characterization of Mexican Creole wheat landraces in relation to morphological characteristics and HMW glutenin subunit composition. *Genetic Resources and Crop Evolution* 57: 657-665.
10811. Martin MA, Martin LM & Alvarez JB 2008 Polymorphisms at the Gli-A<sup>u</sup>1 and Gli-A<sup>u</sup>2 loci in wild diploid wheat (*Triticum urartu*). *Euphytica* 163: 303-307.
10812. Ma DY, Yan J, He ZH, Wu L & Xia XC 2012 Characterization of a cell wall invertase gene TaCwi-A1 on common wheat chromosome 2A and development of functional markers. *Molecular Breeding* 29: 43-52.
10813. Appelbee MJ 2011 Personal communication.
10814. Xi YJ, Ma XF, Zhong H, Liu SD, Wang ZL, Song YY & Zhao CH 2011 Characterization of a male sterile mutant from progeny of a transgenic plant containing a leaf senescence-inhibition gene in wheat. *Euphytica* 177: 241-251.
10815. Yoshiya K, Watanabe N & Kuboyama T 2011 Genetic mapping of the genes for non-glaucous phenotypes in tetraploid wheat. *Euphytica* 177: 293-297.
10816. Ghazvini H, Hiebert CW, Thomas JB & Fetch T 2013 Development of a multiple bulked segregant analysis (MBSA) method used to locate a new stem rust resistance gene (*Sr54*) in the winter wheat cultivar Norin 40. *Theoretical and Applied Genetics* 126: 443-449.
10817. Herrera-Foessel SA, Singh RP, Huerta-Espino J, Rosewarne GM, Periyannan SK, Viccars J, Calvo-Salazar V, Lan C & Lagudah ES 2011 *Lr68*: A new gene conferring slow rusting resistance to leaf rust in wheat. *Theoretical and Applied Genetics* 124: 1475-1486.
10818. Haque MA, Martinek P, Watanabe N & Kuboyama T 2011 Genetic mapping of gibberellic acid-insensitive genes for semi-dwarfism in durum wheat. *Cereal Research Communications* 39: 171-178.
10819. Kuruparthi V, Sood S, Brown-Guedira & Gill BS 2011 Development of a PCR assay and marker-assisted transfer of leaf rust resistance gene *Lr58* into adapted winter wheats. *Euphytica* 180: 227-234.
10820. Kosuge K, Watanabe N & Kuboyama T 2011 Comparative genetic mapping of homoeologous genes for the chlorina phenotype in the genus *Triticum*. *Euphytica* 179: 257-263.
10821. Morgounov A, Ablova I, Babayants O, Babayants L, Bepalova L, Khudokormov ZL, Litvinenko N, Shamanin V & Syukov V 2011 Genetic protection of wheat from rusts and development of resistant varieties in Russia and Ukraine. *Euphytica* 179: 297-311.
10822. Huang L, Zhang LQ, Liu BL, Yan ZH, Zhang B, Zhang YL & Liu DC 2011 Molecular tagging of a stripe rust resistance gene in *Aegilops tauschii*. *Euphytica* 179: 313-318.
10823. Khleskina EK, Salina EA, Matties, Leonova IN, Borner A & Roder MS 2011 Comparative molecular marker-based genetic mapping of flavones 3-hydroxylase genes in wheat, rye and barley. *Euphytica* 179: 333-341.
10824. Tsilo TJ, Jin Y & Anderson JA 2008 Diagnostic microsatellite markers for the detection of stem rust resistance gene *Sr36* in diverse genetic backgrounds of wheat. *Crop Science* 48: 253-261.
10825. Wu SG, Pumphrey M & Bai GH 2009 Molecular mapping of stem-rust-resistance gene *Sr40* in wheat. *Crop Science* 49: 1681-1686.
10826. Murphy LR, Santra D, Kidwell K, Yan GP, Chen XM & Garland Campbell K 2009 Linkage maps of wheat stripe rust resistance genes *Yr5* and *Yr15* for use in marker-assisted selection. *Crop Science* 49: 1786-1790.
10827. Ghaffary SMT, Robert O, Laurent V, Lonnet P, Margale E, van der Lee TAJ, Visser RGF & Kema GHJ 2011 Genetic analysis of resistance to *Septoria tritici* blotch in the French winter

- wheat cultivars Balance and Apache. *Theoretical and Applied Genetics* 123: 741-754.
10828. McIntosh RA, Zhang P, Cowger C, Parks R, Lagudah ES & Hoxha S 2011 Rye-derived powdery mildew resistance gene Pm8 in wheat is suppressed by the Pm3 locus. *Theoretical and Applied Genetics* 123: 359-367.
10829. Zhou XL, Wang WL, Wang LL, Hou DY, Jing JX, Wang Y, Xu ZQ, Yao Q, Yin JL & Ma DF 2011 Genetics and molecular mapping of genes for high-temperature resistance to stripe rust in wheat cultivar Xiaogan 54. *Theoretical and Applied Genetics* 123: 431-438.
10830. Kolmer JA, Long DL & Hughes ME 2011 Physiologic specialization of *Puccinia triticina* on wheat in the United States in 2009. *Plant Disease* 95: 935-940.
10831. Abate ZA, Liu S & McKendry AL 2008 Quantitative trait loci associated with deoxynivalenol content and kernel quality in the soft red winter wheat 'Ernie'. *Crop Science* 48: 1408-1418.
10832. Jefferies SP, Pallotta MA, Paull JG, Karakousis A, Kretschmer JM, Manning S, Islam AKMR, Langridge P & Chalmers KJ 2000 Mapping and validation of chromosome regions conferring boron toxicity tolerance in wheat (*Triticum aestivum*). *Theoretical and Applied Genetics* 101: 767-777.
10833. Schnurbusch T, Collins NC, Eastwood RF, Sutton T, Jefferies SP & Langridge P 2007 Fine mapping and targeted SNP survey using rice-wheat gene collinearity in the region of the Bo1 boron toxicity locus of bread wheat. *Theoretical and Applied Genetics* 101: 451-461.
10834. Schnurbusch T, Langridge P & Sutton T 2008 The Bo1-specific PCR marker AWW5L7 is predictive of boron tolerance status in a range of exotic durum and bread wheats. *Genome* 51: 963-971.
10835. Schnurbusch T, Hayes J & Sutton T 2010 Boron toxicity in wheat and barley: Australian perspectives. *Breeding Science* 60: 297-304.
10836. Quincke MC, Peterson CJ, Zemetra RS, Hansen JL, Chen JL, Riera-Lizarazu & Mundt CC 2011 Quantitative trait loci for resistance to *Cephalosporium* stripe, a vascular wilt disease of wheat. *Theoretical and Applied Genetics* 122: 1339-1349.
10837. Li T, Bai GH, Wu SY & Gu SL 2011 Quantitative trait loci for resistance to *Fusarium* head blight in a Chinese wheat landrace Haiyanzhong. *Theoretical and Applied Genetics* 122: 1497-1502.
10838. Himi E, Maekawa M, Miura H & Noda K 2011 Development of PCR markers for Tamyb10 related to R-1, red grain color in wheat. *Theoretical and Applied Genetics* 122: 1561-1576.
10839. Sherman JD, Souza E, See D & Talbert LE 2011 Microsatellite markers for grain color in wheat. *Crop Science* 48: 1419-1424.
10840. Sun XC, Bai GH, Carver BF & Bowden R 2010 Molecular mapping of wheat leaf rust resistance gene Lr42. *Crop Science* 50: 59-66.
10841. Blake NK, Stougaard RN, Weaver DK, Sherman JD, Lanning SP, Naruoka Y, Xue Q, Martin JM & Talbert LE 2011 Identification of a quantitative trait locus for resistance to *Sitodiplosis mosellana* Gehr, the orange blossom midge, in spring wheat. *Plant Breeding* 130: 25-50.
10842. Singh A, Pallavi JK, Gupta P & Prabhu KV 2011 Identification of microsatellite markers linked to leaf rust adult plant resistance (APR) gene Lr48 in wheat. *Plant Breeding* 130: 31-34.
10843. Mohler V, Baur A, Baur C, Flath K, Schweizer G & Hartl L 2011 Genetic analysis of powdery mildew resistance in German winter wheat cultivar Cortez. *Plant Breeding* 130: 35-40.
10844. Miranda LM, Bland DE, Cambron SE, Lyerly JH, Johnson J, Buntin GD & Murphy JP 2010 Genetic mapping of an *Aegilops tauschii*-derived Hessian fly resistance gene in common

- wheat. *Crop Science* 50: 612-616.
10845. Olsen EL, Brown-Guedira G, Marshall DS, Jin Y, Mergoum M, Lowe I & Dubcovsky J 2010 Genotyping of U.S. wheat germplasm for presence of stem rust resistance genes Sr24, Sr26 and Sr1RSAmigo. *Crop Science* 59: 668-675.
10846. Yu GT, Williams CE, Harris MO, Cai XW, Mergoum M & Xu SS 2010 Development and validation of molecular markers closely linked to H32 for resistance to Hessian fly in wheat. *Crop Science* 50: 1325-1332.
10847. Herrera-Foessel SA, Singh RP, Huerta-Espino J, Bhavani S, Singh S, Lan C & Lagudah ES Lr67/Yr46/Sr55 confers adult plant resistance to *Puccinia graminis* f.sp. *tritici*. Manuscript in preparation
10848. Mohler V, Singh D, Singrun C & Park RF 2012 Characterization and mapping of Lr65 in spelt wheat 'Altgold Rotkorn'. *Plant Breeding* 131: 252-257.
10849. Liu J, Chang ZJ, Zhang XJ, Yang ZJ, Li X, Jia JQ, Zhan HX, Zhang CZ 2011 *Thinopyrum* intermedium-derived stripe rust resistance gene Yr50 maps on wheat chromosome 4BL. Draft manuscript.
10850. Bansal U et al. 2011 Personal communication
10851. Bansal U et al. 2011 Personal communication
10852. Ren RS, Wang MN, Chen XM & Zhang ZJ 2012 Characterization and molecular mapping of a new gene for high-temperature adult-plant resistance to stripe rust in spring wheat germplasm PI 183527. Manuscript in preparation.
10853. Wang MN, Chen XM, Xu LS, Cheng P & Bockelman HE 2012 Registration of 70 common spring wheat germplasm lines resistant to stripe rust. *Journal of Plant Registrations* 6: 104-110. doi: 10.3198/jpr2011.05.0261crg
10854. Xu LS, Wang MN, Cheng P, Kang ZS, Hulbert SH & Chen XM 2013 Molecular mapping of Yr53, a new gene for stripe rust resistance in durum wheat accession PI 480148 and its transfer to common wheat. *Theoretical and Applied Genetics* 126: 523-533.
10855. Joshi AK, Chand R, Kumar S & Singh RP 2004 Leaf tip necrosis: A phenotypic marker associated with resistance to spot blotch disease in wheat. *Crop Science* 44: 792-796.
10856. Lillemo M, Joshi AK, Prasad R, Chand & Singh RP 2012 Association of Lr34 and Lr46 with spot blotch resistance in wheat. Manuscript in preparation
10857. Peng ZS, Li X, Yang ZJ & Liao ML 2011 A new reduced height gene found in the tetraploid semi-dwarf wheat landrace Aiganfanmai. *Genetics and Molecular Research* 10: 2349-2357.
10858. Hiebert CW, Fetch TG & Zegeye T 2010 Genetics and mapping of stem rust resistance to UG99 in the wheat cultivar Webster. *Theoretical and Applied Genetics* 121: 65-69.
10859. Cao AZ, Xing LP, Wang XY, Yang XM, Wang W, Sun YL, Qian C, Ni YL, Chen YP, Liu DJ, Wang XE & Chen PD 2011 Serine/threonine kinase gene Stpk-V, a key member of powdery mildew resistance gene Pm21, confers powdery mildew resistance in wheat. *Proceedings of the National Academy of Sciences USA* 108: 7727-7732.
10860. Chu CG, Niu ZX, Zhong SB, Chao SM, Friesen TL, Halley S, Elias EM, Dong YH, Faris JD & Xu SS 2011 Identification and molecular mapping of two QTLs with major effects for resistance to *Fusarium* head blight in wheat. *Theoretical and Applied Genetics* 123: 1107-1119.
10861. Singh RP et al. Lr34/Yr18/Pm38/Ltn1 confers slow rusting, adult plant resistance to *Puccinia graminis* f.sp. *tritici*. Manuscript in preparation
10862. Krattinger SG, Lagudah ES, Spielmeier W, Singh RP, Huerta-Espino J, McFadden M, Bossolini E, Selter LL & Keller B. 2009 A putative ABC transporter confers durable resistance to multiple fungal pathogens in wheat. *Science* 323: 1360-63.

10863. Bhavani S, Singh RP, Argillier O, Huerta-Espino J, Singh S, Njau P, Brun S, Lacam S & Desmouceaux N 2011 Mapping durable adult plant stem rust resistance to the race Ug99 group in six CIMMYT wheats. In: McIntosh R (ed.) Proceedings of the Borlaug Global Rust Initiative 2011 Technical Workshop, June 13-16, Saint Paul, Minnesota, U.S.A. Borlaug Global Rust Initiative, www.globalrust.org, ISBN: 978-0-615-54519-6 43-53.
10864. Kolmer JA, Garvin DF & Jin Y 2011 Expression of a Thatcher wheat adult plant stem rust resistance QTL on chromosome arm 2BL is enhanced by Lr34. *Crop Science* 51: 526-533.
10865. Kerber ER & Green GJ 1980 Suppression of stem rust resistance in the hexaploid wheat cv. Canthatch by chromosome 7DL. *Canadian Journal of Botany* 58: 1347-1350.
10866. Kerber ER & Aung T 1999 Leaf rust resistance gene Lr34 associated with nonsuppression of stem rust resistance in the wheat cultivar Canthatch. *Phytopathology* 89: 518-521.
10867. Abeysekara NS, Faris JD, Chao AM, McClean PE & Friesen TL 2012 Whole-genome QTL analysis of *Stagonospora nodorum* blotch resistance and validation of the SnTox40-Snn4 interaction. *Phytopathology* 102: 94-104.
10868. Guedira M, Brown-Guedira G, Van Sanford D, Sneller C, Souza E & Marshall D 2010 Distribution of Rht genes in modern and historic winter wheat cultivar from eastern and central USA. *Crop Science* 50: 1811-1822.
10869. Olson EL, Brown-Guedira G, Marshall D, Stack E, Bowden RL, Jin Y, Rouse M & Pumphrey M 2010 Development of wheat lines having a small introgressed segment carrying stem rust resistance gene Sr22. *Crop Science* 50: 1823-1830.
10870. Tsilo TJ, Jin Y & Anderson JA 2010 Identification of flanking markers for the stem rust resistance gene Sr6 in wheat. *Crop Science* 50: 1967-1970.
10871. Abeysekara NS, Friesen TL, Liu ZH, McClean PE, Faris JD 2010 Marker development and saturation mapping of the tan spot *Ptr ToxB* sensitivity locus Tsc2 in hexaploid wheat. *The Plant Genome* 3: 179-189.
10872. Klindworth DL, Niu ZX, Chao SM, Friesen TL, Jin Y, Faris JD, Cai XW & Xu SS 2012 Introgression and characterization of a goatgrass gene for a high level of resistance to Ug99 stem rust in tetraploid wheat. *Genes, Genomes & Genetics* 2: 665-673.
10873. Maxwell JJ, Lysterly JH, Srnic G, Parks R, Cowger C, Marshall D, Brown-Guedira G & Murphy JP 2010 MIAB10: A *Triticum turgidum* subsp. *dicoccoides* derived powdery mildew resistance gene identified in common wheat. *Crop Science* 50: 2261-2267.
10874. Thomas J, Nilmalgoda S, Hiebert C, McCallum B, Humphries G & DePauw R 2010 Genetic markers and leaf rust resistance of the wheat gene Lr32. *Crop Science* 50: 2310-2317.
10875. Kolmer JA, Anderson JA & Flor JM 2010 Chromosome location, linkage with simple sequence repeat markers, and leaf rust resistance conditioned by gene Lr63 in wheat. *Crop Science* 50: 2392-2395.
10876. Zhang WJ, Olson E, Saintenac C, Rouse M, Abate Z, Jin Y, Akhunov E, Pumphrey M & Dubcovsky J 2010 Genetic maps of stem rust resistance gene Sr35 in diploid and hexaploid wheat. *Crop Science* 50: 2464-2474.
10877. Liu XL, Yang XF, Wang CY, Wang YJ, Zhang H & Ji WQ 2012 Molecular mapping of resistance to English grain aphid (*Sitobion avenae* F.) in *Triticum durum* wheat line C273. *Theoretical and Applied Genetics* 124: 287-293.
10878. Simons KJ, Gehlhar SB, Maan SS & Kianian SF 2003 Detailed mapping of the species cytoplasm-specific (scs) gene in durum wheat. *Genetics* 165: 2129-2136.
10879. Ghaffary SMT, Faris JD, Friesen TL, Visser RGF, van der Lee TAG, Robert O & Kema GHJ 2012 New broad-spectrum resistance to *Septoria tritici* blotch derived from synthetic hexaploid wheat. *Theoretical and Applied Genetics* 124: 125-142.
10880. Chu C-G, Tan CT, Yu GT, Xu SS & Lan L 2011 A novel retrotransposon inserted in the

- dominant *Vrn-B1* allele confers spring growth habit in tetraploid wheat (*Triticum turgidum* L.). *Genes, Genomes & Genetics* 1: 637-645.
10881. Diaz A, Zikhali M, Turner AS, Isaac P, Laurie DA 2012 Copy number variation affecting the photoperiod-B1 and vernalization-A1 genes is associated with altered flowering time in wheat (*Triticum aestivum*). *PLoS One* 7(3): 233-234.
10882. Ayala-Navarrete L, Thompson N, Ohm H & Anderson J 2010 Molecular markers show a complex mosaic pattern of wheat-*Thinopyrum* intermedium translocations carrying resistance to YDV. *Theoretical and Applied Genetics* 121: 961-970.
10883. Bovillo WD, Horne M, Herde D, Davis M, Wildermuth GB & Sutherland MW 2010 Pyramiding QTL increases seedling resistance to crown rot (*Fusarium pseudograminearum*) of wheat (*Triticum aestivum*). *Theoretical and Applied Genetics* 121: 127-136.
10884. Xue SL, Li GQ, Jia HY, Xu F, Lin F, Tang MZ, Wang Y, An X, Xu HB, Zhang LX, Kong ZX & Ma ZQ 2010 Fine mapping *Fhb4*, a major QTL conditioning resistance to *Fusarium* infection in bread wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 121: 147-156.
10885. Xue SL, Li GQ, Jia HY, Lin F, Cao Y, Xu F, Tang MZ, Wang Y, Wu XY, Zhang ZZ, Kong ZX & Ma ZQ 2009 Marker-assisted development and evaluation of near-isogenic lines for scab resistance QTLs of wheat. *Molecular Breeding* 25: 397-405.
10886. Ben-David R, Xie WL, Peleg Z, Saranga Y, Dinooor A & Fahima T 2010 Identification and mapping of *PmG16*, a powdery mildew resistance gene derived from wild emmer wheat. *Theoretical and Applied Genetics* 121: 499-510.
10887. Dakouri A, McCallum BD, Walichnowski AZ & Cloutier S 2010 Fine-mapping of the leaf rust *Lr34* locus in *Triticum aestivum* (L.) and characterization of large germplasm collections support the ABC transporter as essential for gene function. *Theoretical and Applied Genetics* 121: 373-384.
10888. Cao SH, Carver BF, Zhu XK, Tang TL, Chen YH, Hunger RM & Yan LL 2010 A single-nucleotide polymorphism that accounts for allelic variation in the *Lr34* gene and leaf rust reaction in hard wheat. *Theoretical and Applied Genetics* 121: 385-392.
10889. McCallum BD, Humphries DG, Somers DJ, Dakouri A & Cloutier S 2012 Allelic variation for the rust resistance gene *Lr34/Yr18* in Canadian wheat cultivars. *Euphytica* 183: 261-274.
10890. Vazquez MD, Peterson CJ, Riera-Lizarazu, Chen XM, Heesacker A, Ammar K, Crossa J & Mundt CC 2012 Genetic analysis of adult plant, quantitative resistance to stripe rust in wheat cultivar eStephens f in multi-environment trials. *Theoretical and Applied Genetics* 124: 1-11.
10891. Ma J, Yan GJ & Liu CJ 2012 Development of near-isogenic lines for a major QTL on 3BL conferring *Fusarium* crown rot resistance in hexaploid wheat. *Euphytica* 183: 147-152.
10892. Zhang HT, Huan HY, Li JT, Zhu J, Xie CJ, Zhou YL, Duan XY, Yang TM, Sun QX & Liu ZY 2010 Genetic and comparative genomics mapping reveals that a powdery mildew resistance gene *ML3D232* originating from wild emmer co-segregates with an NBS-LRR analog in common wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 121: 1613-1621.
10893. Liu SB & Bai GH 2010 Dissection and fine mapping of a major QTL for preharvest sprouting resistance in white wheat Rio Blanco. *Theoretical and Applied Genetics* 121: 1395-1404.
10894. Knox RE, Pozniak CJ, Clarke FR, Clarke JM, Housgmand S & Singh AK 2009 Chromosomal location of the cadmium uptake gene (*Cdu1*) in durum wheat. *Genome* 52: 741-747.
10895. Wiebe K, Harris NS, Faris JD, Clarke JM, Knox RE, Taylor GJ & Pozniak CJ 2010

- Targeted mapping of *Cdu1*, a major locus regulating grain cadmium concentration in durum wheat (*Triticum turgidum* L. var durum). *Theoretical and Applied Genetics* 121: 1047-1058.
10896. Xue SL, Xu F, Tang MZ, Zhou Y, Li GQ, An X, Lin F, Xu HB, Jia HY, Zhang LX, Kong ZX & Ma ZQ 2011 Precise mapping of *Fhb5*, a major QTL conditioning resistance to *Fusarium* infection in bread wheat (*Triticum aestivum* L.). *Theoretical and Applied Genetics* 123: 1055-1063.
10897. Xu WG, Li CX, Hu L, Wang HW, Dong HB, Zhang JZ & Zan XC 2011 Identification and molecular mapping of *PmHnk54*: a novel powdery mildew resistance gene in common wheat. *Plant Breeding* 130: 603-607.
10898. Lu HJ, Price J, Devkota R, Rush C & Rudd K 2011 A dominant gene for resistance to Wheat Streak Mosaic Virus in winter wheat line CO960293-2. *Crop Science* 51: 5-12.
10899. Morris CF, Simeone MN, King GE & Lafandra D 2011 Transfer of soft kernel texture from *Triticum aestivum* to durum wheat, *Triticum turgidum* ssp. durum. *Crop Science* 51: 114-122.
10900. Yabalo DN, Mergoum M & Berzonsky WA 2011 Further characterization of the scab resistance of 'Frontana' spring wheat and the relationship between resistance mechanisms. *Plant Breeding* 130: 521-525.
10901. Risser P, Ebmeyer E, Korzun V, Hartl L & Miedaner T 2011 Quantitative trait loci for adult-plant resistance to *Mycosphaerella graminicola* in two winter wheat populations. *Phytopathology* 101: 1209-1216.
10902. Kolmer JA, Garvin DF & Jin Y 2011 Expression of Thatcher wheat adult plant stem rust resistance QTL on chromosome arm 2BL is enhanced by *Lr34*. *Crop Science* 51: 526-533.
10903. Barcellos Rosa S et al. 2012 Personal communication
10904. Thomas J et al. 2012 Personal communication
10905. Cenci A, Somma S, Chantret N, Dubcovsky J & Blanco A 2004 PCR identification of durum wheat BAC clones containing genes coding for carotenoid biosynthesis enzymes and their chromosome localization. *Genome* 47: 911-917.
10906. Zhang CY, Dong CH, He XY, Zhang LP, Xia XC & He ZH 2011 Allelic variants at the *Tzds-D1* locus on wheat chromosome 2DL and their association with yellow pigment content. *Crop Science* 51: 1580-1590.
10907. Azhaguvel P, Rudd JC, Ma YQ, Luo MC & Weng YQ 2012 Fine mapping of greenbug aphid-resistance gene *Gb3* in *Aegilops tauschii*. *Theoretical and Applied Genetics* 124: 555-564.
10908. Eagles HA, Cane K, Appelbee M, Kuchel H, Eastwood RF & Martin PJ 2012 The storage protein activator gene *Spa-B1* and grain quality traits in southern Australian wheat breeding programs. *Crop & Pasture Science* 63: 311-318.
10909. Guillaumie S, Charmet G, Linossier L, Torney V, Robert N & Ravel C 2004 Co-location between a gene encoding the bZIP factor SPA and an eQTL for a high-molecular-weight glutenin subunit in wheat (*Triticum aestivum*). *Genome* 47: 705-713.
10910. Mohler V et al. 2012 *Plant Breeding* online first DOI:10.1111/j.1439-0523.2011.01934.x.
10911. Singh D et al. 2012 Draft manuscript
10912. Xiao MG et al. 2012 Molecular identification of genes conferring resistance to powdery mildew in Chinese wheat landraces. I. *PmHYLZ*, on chromosome 7BS in Hongyanglazi. Manuscript
10913. Dubcovsky JD 2012 Personal communication
10914. Hao YF, Chen ZB, Wang YY, Bland D, Buck J, Brown-Guedira G & Johnson J 2011 Characterization of a major QTL for adult plant resistance to stripe rust in US soft red winter wheat. *Theoretical and Applied Genetics* 123: 1301-1411.

10915. Bentley, AR, Turner AS, Gosman N, Leigh FJ, Maccaferri M, Dreisgacher S, Greenland A & Laurie DA 2011 Frequency of photoperiod insensitive Ppd-A1a alleles in tetraploid, hexaploid and synthetic hexaploid wheat germplasm. *Plant Breeding* 130: 10-15.
10916. Eagles HA, Cane K & Trevaskis B 2011 Veery wheat carry an allele of Vrn-A1 that has implications for freezing tolerance in winter wheats. *Plant Breeding* 130: 412-418.
10917. Genc Y, Oldach K, Verbyla AP, Lott G, Hassan M, Tester M, Wallwork H & McDonald G 2010 Sodium exclusion QTL associated with improved seedling growth in bread wheat under salinity stress. *Theoretical and Applied Genetics* 121: 877-894.
10918. Xie WL, Ben-David R, Zeng B, Dinoor A, Xie CJ, Sun QX, Roder MS, Fahoum A & Fahima T 2012 Suppressed recombination rate in 6VS/6AL translocation region carrying the Pm21 locus introgressed from *Haynaldia villosa* into hexaploid wheat. *Molecular Breeding* 29: 399-412.
10919. Chang C, Zhang HP, Zhao QX, Feng JM, Si HQ, Lu J & Ma CX 2011 Rich allelic variations of Viviparous-1A and their associations with seed dormancy/pre-harvest sprouting of common wheat. *Euphytica* 179: 343-353.
10920. Crawford AC, Stefanova K, Lambe W, McLean R, Wilson R, Barclay I & Francki MG 2011 Functional relationships of phytoene synthase I alleles on chromosome 7A controlling flour variation in selected Australian wheat genotypes. *Theoretical and Applied Genetics* 123: 95-108.