P. Stephen Baenziger
Department of Agronomy
University of Nebraska
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PRESENT ACADEMIC RANK: Nebraska Wheat Growers Presidential Chair and Professor

Education

B.A. *magna cum laude*, 1972, Harvard University (Biochemical Sciences)
M.S. 1975, Purdue University (Plant Breeding and Genetics)
Ph.D. 1975, Purdue University (Plant Breeding and Genetics)

Employment

Interim Associate Dean for Graduate Education, College of Agriculture and Natural Resources, 2017-2019
Interim-Head, Department of Agronomy, University of Nebraska, 1993-1996
Nebraska Wheat Growers Presidential Chair and Professor, 2011-Present
Eugene W. Price Professor, University of Nebraska, 1993-2011
Professor, University of Nebraska, 1991-1993.
Associate Professor, University of Nebraska, 1986-1991.
Research Manager, Monsanto Agricultural Products Company, St. Louis, Missouri, 1983-1986.
Research Geneticist, United States Department of Agriculture, Beltsville, Maryland, 1976-1983.

Teaching Interests

Is the primary instructor for Agronomy 815A, and B, two of three modules that comprise Introduction to Plant Breeding. These modules are the first graduate level courses that many plant breeding students will take and may be the only course that students in collateral fields will take. The instructor is keenly interested in using web based technology to teach his course in traditional and nontraditional ways.

Research Interests

Is the primary small grains breeder for Nebraska. Cultivar and germplasm development are the main goals of the program. Developing improved breeding methodology, emphasizing on biotic and abiotic stress tolerance, and the use of biotechnology are two of his basic research goals.

Honors and Awards

Presidential Award of Excellence, Nebraska Crop Improvement Association, 2021
Outstanding Achievement Award, Nebraska Wheat Growers Association, 2020
Prem Paul Innovator of the Year, 2017
Lifetime Achievement Award, National Association of Plant Breeders, 2015
Fellow, Daugherty Water for Food Institute, 2014
Genetics and Plant Breeding Award, National Council of Commercial Plant Breeders, 2013
Fellow, Great Plains Center, University of Nebraska, 2013
Wheat Quality Council "Best of Show" (awarded for the highest quality winter wheat entered into the 2013 Wheat Quality Council trials, Kansas City, Missouri) - 2013
2011 U.S. Department of Agriculture (USDA) Secretary's Honor Award for Excellence
2011 Person of the Year Award, Nebraska Wheat Growers Association

Outstanding Research and Creativity Award, University of Nebraska, 2011
Innovator of the Year, University of Nebraska, 2011
Nebraska Agri-business Club, Public Service Award, 2010
Darrell W. Nelson Excellence in Graduate Student Advising Award, 2010
Omtvedt Innovation Award, 2009
Honoree, Nebraska Hall of Agricultural Achievement, 2009
Distinguished Alumnus Award, Maine West High School, 2007
Distinguished Agriculture Alumnus Award, Purdue University, 2002,
Crop Science Research Award, Crop Science Society of America, 2000
Distinguished Service Award, Nebraska Crop Improvement Association, 2000
Agronomic Achievement Award-Crops, American Society of Agronomy, 1997
Elected Member, Nebraska Hall of Agricultural Achievement, 1997
Outstanding Scientist, Sigma Xi, Nebraska Chapter, 1997
Research Award of Merit, Gamma Sigma Delta, 1994
Achievement Award, Nebraska Wheat Growers Association, 1993
Eugene W. Price Distinguished Professor in Biotechnology, 1993
Honorary Professor, Ningxia Academy of Agricultural and Forestry Sciences, 1992
Fellow, American Association for the Advancement of Science, 1991
Fellow, American Society of Agronomy, 1990
Fellow, Crop Science Society of America, 1990
Member, IANR Interdisciplinary Team Research Award, 1989
Crop Science Society of America Young Crop Scientist Award, 1987
Monsanto Management Incentive Awards in 1985 and 1986

Elective Offices

Chair, Hard Winter Wheat Improvement Committee and member of National Wheat Improvement Committee, 2015-2017
Elected member, Agriculture Builders of Nebraska, Inc. 2009- present
Chair, Wheat Genomics Subcommittee, National Wheat Improvement Committee, 2007-2012.
Chair, Past Chair, Plant Breeding Coordinating Committee, 2007 - 2010
Sigma Xi Chapter Secretary, (2004-2006)
President-elect, President, and Past-President of Crop Science Society of America, 2001-2004.
Chair-elect, Chair, and Past Chair, Section O (Agriculture, Food, and Renewable Resources), American Association for the Advancement of Science, 2001-2003
Sigma Xi Chapter President, (1999-2000)
Member, National Wheat Improvement Committee (1995-2001, 2015-2017)
Member-at-Large, Section O, American Association for the Advancement of Science, 1995-1999.
Councilmember-at-Large, American Institute of Biological Sciences (1993-1996)
Secretary-Treasurer, North Central Branch American Society of Agronomy (1989-1992)
Chair-elect and Chair, Division C-7 (biotechnology) of the Crop Society of America (1987-88)

Committee or Other Special Assignments

National Barley Improvement Committee (2020-2021)
Co-Chair, Committee on "The Need for Agricultural Innovation to Sustainably Feed the World by 2050: Plant Breeding and Genetics." Council of Agricultural Science and Technology
Member and Vice Chair, Board of Trustees, International Rice Research Institute, (2010-

2015)
Member, Scientific Advisory Board, CIMMYT Wheat Yield Imitative, 2011-2014
Member, Scientific Advisory Board, BREADWHEAT, 2011-2014,
Member of Board, Plain Grains Initiative, 2008-2021
Scientific Advisory Board, Crop Adaptation Genomics, Saskatoon, Canada (2006-2011)
External Program and Management Review, ICARDA (2006)
Chair, Host Genetic Resource Group, US Wheat and Barley Scab Initiative (2005-2007)
Member, NSF Genome Grant Review Panel (2005)
Scientific Advisory Board, Grain Biotech Australia, Pty., Ltd. (2000-2004)
Scientific Advisory Board, 7th & 8th International Wheat Conference (2000-2010)
Member, Committee on Genetically Modified Crops Containing Pesticide Genes, National Research Council (1999)
Member, National Wheat Improvement Committee and Chair, Great Plains Region (1998-2001)
CROPS99 Symposium Co-Chair (1997), Coalition for Research on Plant Systems
University of Nebraska Speakers Bureau (1996-1997)
Co-editor (1993) "Intellectual Property Rights: Protection of Plant Materials"
Editor-in-Chief (1992-1997), Crop Science Society of America
Editor (1990-1991), Crop Science
Associate Editor (1987-1989), Crop Science
Reviewing Editor (1994-2001, 2006-present), Cereal Research Communications.
Reviewing Editor (1991-1995), In vitro cellular and developmental biology-plants
Member, National Barley Improvement and Crop Advisory Committees (1982-1983, 1987-1990)
Member, Review Committee for USAID/USDA/CSRS Special Constraints Research Grants Program (1985-89).
Panelist, USDA/CSRS Competitive Grants Program for Genetics and Molecular Biology (1988-90)

Consultant: Monsanto, Eli Lily, Agripro Biosciences Inc., International Atomic Energy Agency/Food and Agriculture Organization (Peru, Ecuador, Morocco, Ethiopia). Grain Biotech Australia.

University:
Vice President and Harlan Vice Chancellor Search Committee, (2009-2010)
Task Force on International Initiatives, University of Nebraska (2005)
Research Council, University of Nebraska (2003-2005, Chair, 2005)
Blue Sky Committee, University of Nebraska (2002-2003)
Life Science Task Force (2000)
President's Task Force for Program Evaluation and Prioritization (2000)
Future Nebraska Taskforce, University of Nebraska (1998- 2000)
Team leader. NN-21 for Food Systems in 2020 (1999)
Steering Committee: Plant Science Initiative (1998-2000)
Advisory Board: Biotechnology Center(1998-2000)
Member: Wheat Satellite Conference (1999)
Chancellor Search Committee (1995)

Publications: Total 287 refereed articles, 32 proceedings and symposia, 16 book chapters, and one book edited. Available at http://agronomy.unl.edu/Baenziger/Baenziger-March2017-PUBREPT.pdf
Cultivars Released or Co-Released: Wheat: 42, Barley: 6, triticale: 13.

Publications

Refereed Journal Articles:

1. Baenziger, P. S. and D. V. Glover. 1977. Protein body size and distribution and protein matrix morphology in various endosperm mutants of *Zea mays* L. Crop Sci. 17:415-21.

2. Hockett, E. A., P. S. Baenziger, and G. L. Steffens. 1978. A proposal for increased research on chemical induction of fertility in genetic male sterile barley. Euphytica 27:109-111.

3. Baenziger, P. S. and D. V. Glover. 1979. Dry matter accumulation in maize hybrids near isogenic for endosperm mutants conditioning protein quality. Crop Sci. 19:345-349.

4. Johnson, J. W., P. S. Baenziger, W. T. Yamazaki, and R. T. Smith. 1979. Effects of powdery mildew on yield and quality of isogenic lines of Chancellor wheat. Crop Sci. 19:349-352.

5. Baenziger, P. S., R. A. Kilpatrick, and J. G. Moseman. 1979. Reduced root and shoot growth caused by *Erysiphe graminis tritici* in related wheats grown in nutrient solution culture. Canadian J. of Bot. 57:1345-1348.

6. Schaeffer, G. W., P. S. Baenziger, and J. W. Worley. 1979. Haploid plant development from anthers and *in vitro* embryo culture of wheat. Crop Sci. 19:697-702.

7. Moseman, J. G. and P. S. Baenziger. 1979. Registration of barley composite crosses XXXV, XXXV-A, -B, and -C. Crop Sci. 19:750-751.

8. Baenziger, P. S. and D. V. Glover. 1980. Effort of plant population on yield and kernel characteristics of sugary-2 and normal maize. Crop Sci. 20:444-447.

9. Johnson, J. W., P. S. Baenziger, and W. T. Yamazaki. 1980. Effect of delayed wheat harvest on soft winter wheat. Cereal Res. Comm. 8(3):533- 537.

10. Kilpatrick, R. A., P. S. Baenziger, and J. G. Moseman. 1981. A multiple inoculation technique for evaluating single barley seedlings to three fungus pathogens. Plant Disease 65:504-506.

11. Moseman, J. G., P. S. Baenziger, and R. A. Kilpatrick. 1981. Genes conditioning resistance of *Hordeum spontaneum* to *Erysiphe graminis* f. sp. *hordei*. Crop Sci. 21:229-232.

12. Baenziger, P. S., J. G. Moseman, and R. A. Kilpatrick. 1981. Registration of barley composite crosses XXXVII-A, -B, and -C. Crop Sci. 21:351-352.

13. Bullock, W. P., P. S. Baenziger, G. W. Schaeffer, and P. J. Bottino. 1982. Anther culture of wheat (*Triticum aestivum* L.) F1's and their reciprocal crosses. Theor. Appl. Genet. 62:155-159.

14. Baenziger, P. S., D. M. Wesenberg, and R. C. Sicher. 1983. The effects of genes controlling barley leaf and sheath waxes on agronomic performance in irrigated and dryland

environments. Crop Sci. 23:116-120.

15. Baenziger, P. S., D. J. Sammons, and D. H. Smith, Jr. 1983. Registration of soft red winter wheat germplasm segregating for a dominant male sterile gene (Reg. No. GP 219) Crop Sci. 23:1022.

16. Baenziger, P. S., J. G. Moseman, J. R. Tomerlin, D. J. Sammons, and D. H. Smith, Jr. 1983. Registration of winter barley composite cross XL. Crop Sci. 23:1017.

17. Lazar, M. D., G. W. Schaeffer, and P. S. Baenziger. 1984. Cultivar and cultivar x environment effects on the development of callus and polyhaploid plants from anther cultures of wheat. Theor. Appl. Genet.: 67:273-277.

18. Kudirka, D. T., G. W. Schaeffer, and P. S. Baenziger. 1983. Cytogenetic characteristics of wheat plants regenerated from anther calli of 'Centurk.' Can. J. Genet. and Cytol.: 25:513-517.

19. Tomerlin, J. R., M. A. El-Morshidy, J. G. Moseman, P. S. Baenziger, and G. Kimber. 1983. Resistance to *Erysiphe graminis tritici*, *Puccinia recondita tritici*, and *Septoria nodorum* in wild *Triticum* species. Plant Diseases 68:10-13.

20. Sicker, R. C., D. F. Kremer, W. G. Harris, and P. S. Baenziger. 1984. Photosynthate partitioning in diploid and autotetraploid barley (Hordeum vulgare). Physiologia Plantorum: 60:239-246.

21. Lazar, M. D., G. W. Schaeffer, and P. S. Baenziger. 1984. Combining abilities and heritability of callus formation and plantlet regeneration in wheat (*Triticum aestivum* L.) anther cultures. Theor. Appl. Genet. 68:131-134.

22. Lowry, J. R., D. J. Sammons, P. S. Moseman, and J. G. Moseman. 1984. Identification and characterization of the gene conditioning powdery mildew resistance in 'Amigo' wheat. Crop Sci. 24:129-132.

23. Sammons, D. J. and P. S. Baenziger. 1984. Registration of MD 286 wheat germplasm. Crop Sci. 24:391-392.

24. Baenziger, P. S., R. L. Clements, M. S. McIntosh, W. L. Yamazaki, T. M. Starling, D. J. Sammons, and J. W. Johnson. 1985. Effect of cultivar, environment and their interactions and stability analyses on milling and baking quality of soft red winter wheat. Crop Sci. 25:5-8.

25. Sammons, D. J., and P. S. Baenziger. 1985. Performance of four winter wheat Triticum cultivars in blended populations. Field Crops Res. 10(2):135-142.

26. Lazar, M. D., G. W. Schaeffer, and P. S. Baenziger. 1985. The physical environment in relation to high frequency callus and plantlet development in anther cultures of wheat (*Triticum aestivum* L.) e.v. Chris. J. Plant Physiol. 121:103-109.

27. Sharma, H. C., and P. S. Baenziger. 1986. Production, morphology, and cytogenetic analysis of *Elymus caninus* (*Agropyron caninum*) x *Triticum aestivum* F1 hybrids and backcross-1 derivatives. Theor. Appl. Genet. 71:750-756

28. Mulchi, C. L., D. J. Sammons, and P. S. Baenziger. 1986. Yield and grain quality responses of soft winter wheat exposed to ozone during anthesis. Agronomy J. 78:593-600.

29. Rocheford, T. R., D. J. Sammons, and P. S. Baenziger. 1988. Planting date in relation to yield and yield components of wheat in the Middle Atlantic region. Agron. J. 80:30-34.

30. Baenziger, P. S., J. W. Schmidt, C. J. Peterson, V. A. Johnson, P. J. Mattern, A. F. Dreier, D.V. McVey, and J. H. Hatchett. 1989. Registration of 'Arapahoe' wheat. Crop Sci. 29:832.

31. Youssef, S. S., R. Morris, P. S. Baenziger, and C. M. Papa. 1989. Cytogenetic studies of progenies from crosses between 'Centurk' wheat and its doubled haploids derived from anther culture. Genome 32:622-628.

32. Baenziger, P. S., D. M. Wesenberg, V. M. Smail, W. L. Alexander, and G. W. Schaeffer. 1989. Agronomic performance of wheat doubled haploid lines derived from cultivars by anther culture. J. Plant Breed. 103:101-109.

33. Lazar, M. D., G. W. Schaeffer, and P. S. Baenziger. 1990. The effects of interactions of culture environment with genotype on wheat (*Triticum aestivum*) anther culture response. Plant Cell Reports 8:525-529.

34. Kudirka, D. T., G. W. Schaeffer, and P. S. Baenziger. 1990. Stability of ploidy in meristems of plants regenerated from anther calli of wheat (*Triticum aestivum* L. em Thell.) Genome 32:1068-1073.

35. Baenziger, P. S. 1990. The challenges of attracting graduate students to plant breeding. J. Agron. Ed. 19:205-210.

36. Yuan Han-min, V. D. Keppenne, P. S. Baenziger, T. Berke, and G. H. Liang. 1990. Effect of genotype and medium on wheat (*Triticum aestivum* L.) anther culture. Plant Cell Tissue and Organ Culture 21:253-258.

37. Keppenne, V. D., and P. S. Baenziger. 1990. Inheritance of the blue aleurone trait in diverse wheat crosses. Genome 33:525-529.

38. Baenziger, P. S., J. W. Schmidt, T. G. Berke, T. S. Payne, and S. M. Dofing. 1990. Registration of 'Perkins' winter barley. Crop Sci. 30:1355.

39. Baenziger, P. S. and J. W. Schmidt. 1991. Registration of 'Newcale' winter triticale. Crop Sci. 31:489-490.

40. Baenziger, P. S., V. D. Keppenne, M. R. Morris, C. J. Peterson, and P. J. Mattern. 1991. Quantifying gametoclonal variation in wheat doubled haploids. Cereal Res. Comm. 19:33-42.

41. Masrizal, R. L. Simonson, and P. S. Baenziger. 1991. Response of different wheat tissues to increasing doses of ethyl methanesulfonate. Plant Cell, Tissue and Organ Culture 26:141-146.

42. Rybczynski, J. J., R. L. Simonson, and P. S. Baenziger. 1991. Evidence for microspore

embryogenesis in wheat anther culture. In Vitro Cell. Dev. Biol. 27P:168-174.

43. Berke, T. G. and P. S. Baenziger. 1992. Portable and desktop computer integrated field book and data collection system for agronomists. Agron. J. 84:119-121.

44. Baenziger, P. S., J. W. Schmidt, C. J. Peterson, V. A. Johnson, P. J. Mattern, L. A. Nelson, D. V. McVey, and J.H. Hatchett. 1992. Registration of 'Rawhide' wheat. Crop Sci. 32:283.

45. Berke, T. G., P. S. Baenziger, and R. Morris. 1992. Location of wheat quantitative trait loci affecting agronomic performance of seven traits using reciprocal chromosome substitutions. Crop Sci.32: 621-627.

46. Berke, T. G., P. S. Baenziger, and R. Morris. 1992. Locations of wheat quantitative trait loci affecting stability of six traits using reciprocal chromosome substitutions. Crop Sci. 32: 628-633.

47. Peterson, C. J., R. A. Graybosch, P. S. Baenziger, and A. W. Grombacher. 1992. Genotype and environment effects on quality characteristics of hard red winter wheat. Crop Sci. 32:98-103.

48. Sharma, H., J. Varnum, S. Sato, and S. G. Metz. 1992. Analysis of plants derived from wheat tissue culture. Cereal Res. Comm. 20:75-79.

49. Simonson, R. L. and P. S. Baenziger. 1992. The effect of gelling agents on wheat anther and immature embryo culture. Plant Breeding 109:211-217.

50. Dofing, S. M., T. G. Berke, P. S. Baenziger, and C. W. Knight. 1992. Yield and yield component response of barley in subarctic and temperate environments. Can. J. Plant Sci. 72:663-669.

51. Jin, Y., B. J. Steffenson, L. E. Oberthur and P. S. Baenziger. 1992. *Puccinia coronata* on barley. Plant Dis. 76:1283.

52. Yen, Y. and P. S. Baenziger. 1992. A better way to construct recombinant chromosome lines and their controls. Genome 35:827-830.

53. Peterson, C. J., R. A. Graybosch, P. S. Baenziger, D. R. Shelton, W. D. Worrall, L. A. Nelson, D. V. McVey and J. H. Hatchett. 1993. Registration of N86L177 wheat germplasm. Crop Sci. 33:350.

54. Baenziger, P. S., J. W. Schmidt, C. J. Peterson, V. A. Johnson, P. J. Mattern, D. R. Shelton, L. A. Nelson, D. V. McVey, and J.H. Hatchett. 1993. Registration of three wheat germplasm lines. Crop Sci.33:884-885..

55. Yen, Y. and P. S. Baenziger. 1993. Identification, characterization, and comparison of RNA-degrading enzymes of wheat and barley. Biochem. Genetics 31: 133-145.

56. Baenziger, P. S., J. W. Schmidt, C. J. Peterson, D. R. Shelton, D. D. Baltensperger, L. A. Nelson, D. V. McVey, and J. H. Hatchett. 1993. Registration of 'Vista' wheat. Crop Sci.

33:1412.

57. Stroup, W. W., P. S. Baenziger, and D. K. Mulitze. 1994. A comparison of methods for removing spatial variation from wheat yield trials. Crop Sci. 34:62-66.

58. Yen, Y. and P. S. Baenziger. 1994. Wheat chromosome 2D carries genes controlling the activity of two DNA-degrading enzymes. Theor. Appl. Genet. 88:30-32.

59. Navarro-Alvarez, W., P. S. Baenziger, K. M. Eskridge, D. R. Shelton, V. D. Gustafson, and M. Hugo. 1994. Effect of sugars on wheat anther culture media. Plant Breed. 112:53-62.

60. Navarro-Alvarez, W., P. S. Baenziger, K. M. Eskridge, M. Hugo. and V. D. Gustafson. 1994. Addition of colchicine to wheat anther culture media to increase doubled haploid plant production. Plant Breed. 112:192-198.

61. Budak, N., P. S. Baenziger, and K. M. Eskridge. 1995. Effect of replications on measuring wheat plant height. Can. J. Plant Sci. 75:171-173.

62. Budak, N., P. S.Baenziger, K. M. Eskridge, D. Baltensperger, and B. Moreno-Sevilla. 1995. Plant height response of semidwarf and nonsemidwarf wheats to the environment. Crop Sci. 35: 447-451.

63. Baenziger, P. S., B. Moreno-Sevilla, C. J. Peterson, J. W. Schmidt, D. R. Shelton, D. D. Baltensperger, L. A. Nelson, D. V. McVey, J. E. Watkins, and J. H. Hatchett. 1995. Registration of 'Alliance' wheat. Crop Sci. 35:938.

64. Moreno-Sevilla, B., P. S. Baenziger, C. J. Peterson, R. A. Graybosch, and D. V. McVey. 1995. The 1BL/1RS translocation: agronomic performance of F_3-derived lines from a winter wheat cross. Crop Sci. 35:1051-1055.

65. Wiess, A., N. Budak, and P.S. Baenziger. 1995. Using transpiration to characterize plant height in winter wheat in different environments: A simulation study. Can. J. Pl. Sci. 75:583-587.

66. Gustafson, V. S., P. S. Baenziger, M. S. Wright, W. W. Stroup, and Yang Yen. 1995. Isolated wheat microspore culture. Plant Cell Tissue and Organ Culture 42: 207-213.

67. Gustafson, V. D., P. S. Baenziger, A. Mitra, H. F. Kaeppler, C. M. Papa, and S. M. Kaeppler. 1995. Electroporation of wheat anther culture-derived embryoids. Cereal Res. Comm. 23: 207-213.

68. Moreno-Sevilla, B., P. S. Baenziger, D. R. Shelton, R. A. Graybosch, and C. J. Peterson. 1995. Agronomic performance and end-use quality of 1B vs. 1BL/1RS genotypes derived from winter wheat 'Rawhide'. Crop Sci. 35:1607-1612.

69. Watkins, J. E., S. E. Rutledge, and P. S. Baenziger. 1995. Virulence patterns of *Puccinia recondita* f. sp. *tritici* in Nebraska during 1992 and 1993. Plant Dis. 79:467-470.

70. Worrall, W. D., D. S. Marshall, S. P. Caldwell, C. J. Peterson, P. S. Baenziger, and J. W.

Schmidt. 1995. Registration of Siouxland 89 Wheat. Crop Sci. 35:1223.

71. Graybosch, R. A., C. J. Peterson, P. S. Baenziger, and D. R. Shelton. 1995. Environmental modification of hard red winter wheat flour protein composition. J. Cereal Science 22:45-51.

72. Graybosch, R. A., C. J. Peterson, D. R. Shelton, and P. S. Baenziger. 1996. Genotypic and environmental modification of wheat flour protein composition in relation to end-use quality. Crop Sci. 36: 296-300.

73. Haley, S. D., B. Moreno-Sevilla, P. S. Baenziger, C. J. Peterson, J. W. Schmidt, D. R. Shelton, D. D. Baltensperger, L. A. Nelson, D. V. McVey, J. E. Watkins, J. H. Hatchett, and R. A. Graybosch. 1996. Registration of 'Nekota' Wheat. Crop Sci. 36:803-804.

74. P. S. Baenziger, B. Moreno-Sevilla, C. J. Peterson, J. W. Schmidt, D. R. Shelton, D. D. Baltensperger, L. A. Nelson, D. V. McVey, J. E. Watkins, J. H. Hatchett, and R. A. Graybosch. 1996. Registration of 'Niobrara' Wheat. Crop Sci. 36:803.

75. McNeil, J. E., R. French, G. L. Hein, P. S. Baenziger, and K. M. Eskridge. 1996. Characterization of genetic variability among natural populations of wheat streak mosaic virus. Phytopathology 86:1222-1227.

76. Lookhart, G. L., S. R. Bean, R. Graybosch, O. K. Chung, B. Moreno-Sevilla, and S. Baenziger. 1996. Identification by high-performance capillary electrophoresis of wheat lines containing the 1AL.1RS and the 1LB.1RS translocation. Cereal Chem. 73:547-550.

77. Yang, Y. and P. S. Baenziger. 1996. Chromosomal locations of genes that control major RNA-degrading activities in common wheat (*Triticum aestivum* L.). Theor. Appl. Gen. 93: 645-648.

78. Yang Yen, P. S. Baenziger, R. Bruns, J. Reeder, B. Moreno-Sevilla, and N. Budak. 1997. Agronomic performance of hybrids between cultivars and chromosome substitution lines. Crop Sci. 37: 396-399.

79. Baenziger, P. S., B. Moreno-Sevilla, C. J. Peterson, D. R. Shelton, D. D. Baltensperger, L. A. Nelson, D. V. McVey, J. E. Watkins, J. H. Hatchett, and J. W. Schmidt. 1997. Registration of 'Pronghorn' Wheat. Crop Sci. 37: 1006.

80. Lee, J. H., K. Arumuganathan, Y. Yen, S. Kaeppler, H. Kaeppler, and P. S. Baenziger. 1997. Root tip cell cycle synchronization and metaphase-chromosome isolation suitable for flow sorting in common wheat (*Triticum aestivum* L.) Genome 40: 633-638.

81. Lee, J.-H., Y. Yen, K. Arumuganathan, and P. S. Baenziger. 1997. DNA content of wheat chromosomes at interphase estimated by flow cytometry. Theor. Appl. Genet. 95:1300-1304.

82. Wesenberg, D. M., P. S. Baenziger, D. C. Rasmusson, D. E. Burrup, and B. L. Jones. 1998. Registration of 88Ab536-B barley germplasm. Crop Sci. 38:559.

83. Watkins, J. E., S. S. Rutledge, P.S. Baenziger, and W. Youngquist. 1998. Physiologic specialization of *Puccinia recondita* f. sp. *tritici* in Nebraska during 1995 and 1996. Plant Dis.

82:679-682.

84. P. S. Baenziger, B. Moreno-Sevilla, C. J. Peterson, D. R. Shelton, D. D. Baltensperger, S. D. Haley, L. A. Nelson, D. V. McVey, J. E. Watkins, J. H. Hatchett, and J. W. Schmidt. 1998. Registration of 'Windstar' Wheat. Crop Sci. 38: 894-895.

85. Espitia-Rangel, E., P. S. Baenziger, R. A. Graybosch, D. R. Shelton, B. Moreno-Sevilla, and C. J. Peterson. 1999. Agronomic Performance and Stability of 1A vs. 1AL.1RS Genotypes Derived from Winter Wheat 'Nekota'. Crop Sci.39: 643-648.

86. Espitia-Rangel, E., P. S. Baenziger, D. R. Shelton, R. A. Graybosch, B. Moreno-Sevilla, and C. J. Peterson. 1999. End-use Quality Performance and Stability of 1A vs. 1AL.1RS Genotypes Derived from Winter Wheat 'Nekota'. Crop Sci.39: 649-654.

87. Shah, M. M., P. S. Baenziger, Y. Yen, K. S. Gill, B. Moreno-Sevilla, and K. Haliloglu. 1999. Genetic analysis of agronomic traits controlled by wheat chromosome 3A. Crop Sci 39: 1016-1021.

88. Shah, M. M., K. S. Gill, P. S. Baenziger, Y. Yen, S. M. Kaeppler, and H. M. Ariyarathne. 1999. Molecular mapping of loci for agronomic traits on chromosome 3A of bread wheat. Crop Sci. 39: 1728-1732.

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