

Publications 1st WheatCAP 2006-2010 in peer reviewed journals

Total 102 published articles

Year 1 (2006, 4)

1. Uauy C, Distelfeld A, Fahima T, Blechl A, Dubcovsky J. 2006. A NAC gene regulating senescence improves grain protein, Zn, and Fe content in wheat. *Science*. 314:1298-1300.
2. 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.
3. 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.
4. Baenziger PS, Russell WK, Graef GL, Campbell BT. 2006. Improving lives: 50 years of crop breeding, genetics and cytology (C-1). *Crop Science*, 46: 2230-2244.

Year 2 (2007, 17)

1. Dubcovsky J. and J. Dvorak. 2007. Genome plasticity a key factor in the success of polyploid wheat under domestication. *Science* 316: 1862-1866
2. Chao S, W Zhang, J Dubcovsky, and M Sorrells. 2007. Evaluation of genetic diversity and genome-wide linkage disequilibrium among US wheat (*Triticum aestivum* L.) germplasm representing different market classes. *Crop Science* 47:1018–1030.
3. Carrera A, V Echenique, W Zhang, M Helguera, F Manthey, A Schragger, A Picca, G Cervigni and J Dubcovsky. 2007. A deletion at the *Lpx-B1* locus is associated with low lipoxigenase activity and improved pasta color in durum wheat (*Triticum turgidum* ssp. *durum*). *Journal of Cereal Science* 45:67-77.
4. Bonafede M, L Kong, G Tranquilli, H Ohm, and J Dubcovsky. 2007. Reduction of a *Triticum monococcum* chromosome segment carrying the softness genes *Pina* and *Pinb* translocated to bread wheat. *Crop Sci* 47:821-828.
5. Uphaus J, E Walker, M Shankar, H Golzar, R Loughman, M Francki and H Ohm. 2007. QTL identified for resistance to *Stagonospora glume blotch* in wheat in the USA and Australia. *Crop Sci* 47:1813-1822.
6. Sherman, JD, SP Lanning, D Clark, and LE Talbert. 2007. Registration of near-isogenic hard spring wheat lines differing in puroindoline alleles. *J. Plant Reg.* 1:171-172
7. Leonard, J, C Watson, A Carter, J Hansen, R Zemetra, D Santra, K Campbell, and O Riera-Lizarazu. 2008. Identification of a candidate gene for the wheat endopeptidase *Ep-D1* locus and two other STS markers linked to the eyespot resistance gene *Pch1*. *Theor. Appl. Genetics* 116: 261-270.
8. Kong L, HW Ohm and JM Anderson. 2007. Expression analysis of defense-related genes in wheat in response to infection by *Fusarium graminearum*. *Genome* 50:1038-1048.
9. Baenziger PS, B Beecher, RA Graybosch, AMH. Ibrahim, DD Baltensperger, A Nelson, Y Jin, SN Wegulo, JE Watkins, JH Hatchett, MS Chen, and G Bai. 2007. Registration of 'NE01643' wheat. *J. Plant Registrations*. 2:36-42.
10. Carver, B; R Hunger; E Jeffery; RD Patricia; A Klatt; D Porter; B Seabourn; G Bai; F Dowell; L Yan; B Martin. 2007. "Registration of 'Guymon' Wheat". *Crop Science* 2:33-35.

11. Nalam, V.J., M.I. Vales, C.J.W. Watson, E.B. Johnson, and O. Riera-Lizarazu. 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 (*Triticum aestivum* L.). *Theor. Appl. Genet.* 116:135-145.
12. Yu JB, G.H. Bai, W.C. Zhou, YH Dong and FL Kolb. 2008. Quantitative trait loci for *Fusarium* head blight resistance in recombinant inbred population Wangshuibai/Wheaton. *Phytopathology* 98:87-94.
13. Chen CX, SB Cai and GH Bai. 2008 A major QTL controlling seed dormancy and pre-harvest sprouting resistance on chromosome 4A in a Chinese wheat landrace. *Mol Breed.*21:351-358.
14. Perugini LD, Murphy JP, Marshall DS and G Brown-Guedira. 2008. *Pm37*, a new broadly effective powdery mildew resistance gene from *Triticum timopheevii*. *Theor. Appl. Genet.* 116: 417-425.
15. Lanning SP, NK Blake, JD Sherman, and LE Talbert. 2007. Variable production of hexaploid and tetraploid progeny lines from spring wheat by durum wheat crosses. *Crop Sci.*, 48:199-201.
- 16.- Lapitan, N.L.V., J. Peng, and V. Sharma. 2007. A high density map and PCR markers for Russian wheat aphid resistance gene *Dn7* on chromosome 1RS/1BL. *Crop Sci.* 47:811-820.
- 17.- Peng, J., H. Wang, S.D. Haley, F.B. Peairs, and N.L.V. Lapitan. 2007. Molecular mapping of Russian wheat aphid resistance gene *Dn2414* in wheat. *Crop Sci.* 47:2418-2429.

Year 3 (2008, 19)

1. ZhangW., S. Chao, F. Manthey, O. Chicaiza, J.C. Brevis, V. Echenique, J. Dubcovsky. QTL analysis of pasta quality using a composite microsatellite - SNP map of durum wheat. *Theoretical and Applied Genetics.* 117:1361-1377.
2. Chao S., W. Zhang, E. Akhunov, J. Sherman, Y. Ma, M. Luo, and J. Dubcovsky. 2009. Analysis of gene derived SNP marker polymorphism in wheat (*Triticum aestivum* L.). *Molecular Breeding* 23:23-33.
3. Bonafede M., O. Chicaiza, G. Tranquilli, and J. Dubcovsky. Registration of an hexaploid wheat translocation line carrying a short segment of chromosome 5A_m including softness genes *Pina* and *Pinb* from *Triticum monococcum*. *Journal of Plant Registration.* 2:165-166.
4. Brevis J.C., I.A. Khan, O. Chicaiza, C.F. Morris, L. Jackson, and J. Dubcovsky. Agronomic and quality evaluation of common wheat near-isogenic lines carrying the leaf rust resistance gene *Lr47*. *Crop Science.* 48:1441-1451.
5. Zhang W. and J. Dubcovsky. Association between allelic variation at the *Phytoene synthase 1* gene and yellow pigment content in the wheat grain. 2008. *Theoretical and Applied Genetics.* 116:635-645.
- 6.-Johnson E., J.M. Leonard, R.S. Zemetra, and O. Riera-Lizarazu. 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
- 7.- Sherman, J. D., E. Souza, D. See, and L. E. Talbert. 2008. Microsatellite markers for kernel color genes in wheat. *Crop Sci.* 48:1419-1424.
- 8.- Sherman, J. D., S. P. Lanning, D. Clark, and L. E. Talbert. 2008. Registration of near-isogenic hard textured wheat lines differing for the presence of a high grain protein gene. *J. Plant. Reg.* 2:162-164.
- 9- Martin, J. M., J. D. Sherman, S. P. Lanning, L. E. Talbert, and M. J. Giroux. 2008. Effect of variation at the waxy and puroindoline loci on bread quality in a hard spring wheat cross. *Cereal Chem.* 85:266-269.
- 10- Lacerenza, J. A., J. M. Martin, L. E. Talbert, S. P. Lanning, and M. J. Giroux. 2008. Relationship of ethanol yield to agronomic and seed quality characteristics in small grains. *Cereal Chem.* 85:322-328.

- 11.- Peng, J., H. Wang, S.D. Haley, F.B. Peairs, and N.L.V. Lapitan. 2007. Molecular mapping of Russian wheat aphid resistance gene *Dn2414* in wheat. *Crop Sci.* 27:2418-2429.
- 12.- Peng, J.H., Y. Bai, S.D. Haley, and N.L. Lapitan. 2009. Microsatellite-based molecular diversity of bread wheat germplasm and association mapping of wheat resistance to the Russian wheat aphid. *Genetica* 135:95-122.
- 13.- Yu J-B, Bai G-H, Cai S-B, Dong Y-H, and Ban T. 2008. New FHB-resistant Sources from Asian Wheat Germplasm. *Crop Sci.* 48:1090-1097.
- 14.- Cai S-B, Bai G-H, and Zhang D-D. 2008. Quantitative trait loci for aluminum resistance in Chinese wheat landrace FSW. *Theor Appl Genet.* 117: 49-56.
- 15.- Liu S-B, Cai S-B, Graybosch R, Chen C-X, Bai G-H. 2008. Quantitative trait loci for resistance to preharvest sprouting in U.S. hard white winter wheat Rio Blanco. *Theor Appl Genet* 117:691-697.
- 16.- Hu S-W, Bai G-H, Carver B F, Zhang D-D. 2008. Diverse Origins of Aluminum-resistant Sources in Wheat. *Theor Appl Genet* 118:29-41.
- 17.-Tsilo, T.J., Y. Jin, and J.A. Anderson. 2008. Diagnostic microsatellite markers for the detection of stem rust resistance gene *Sr36* in diverse genetic backgrounds of wheat. *Crop Sci.* 48:253-261.
- 18.- Ibrahim, A.M.H., S.D. Haley, P. S. Baenziger, Y. Jin, M.A.C. Langham, J. Rickertsen, S. Kalsbeck, R. Little, J. Ingemansen, O.K. Chung, B.W. Seabourn, G.H. Bai, Ming-Shun Chen and D.V. McVey. 2008. Registration of 'Alice' wheat. *Journal of Plant Registrations* 2:110-114.
- 19.- Ibrahim, A.M.H., S.D. Haley, P. S. Baenziger, Y. Jin, M.A.C. Langham, J. Rickertsen, S. Kalsbeck, R. Little, J. Ingemansen, O.K. Chung, B.W. Seabourn, G.H. Bai, Ming-Shun Chen and D.V. McVey. 2008. Registration of 'Darrell' wheat. *Journal of Plant Registrations* 2:115-119

Year 4 (2009-2010, 62)

- 1.- Fu, D., C. Uauy, A. Distelfeld, A. Blechl, L. Epstein, X. Chen, H. Sela, T. Fahima, and J. Dubcovsky. 2009. A kinase-START gene confers temperature-dependent resistance to wheat stripe rust. *Science.* 323:1357-1360.
- 2.- Garbus, I., A.D. Carrera, J. Dubcovsky, and V. Echenique. 2009. Physical mapping of durum wheat lipoxigenase genes. *Journal of Cereal Science* 50:67-73.
- 3.- Brevis, J.C., and J. Dubcovsky. 2010. Effects of the chromosome region including the grain protein content locus *Gpc-B1* on wheat grain and protein yield. *Crop Science.* 50:93–104,
- 4.- Galiba G., A. Vágújfalvi, C. Li, A. Soltész, J. Dubcovsky. 2009. Regulatory genes involved in the determination of frost tolerance in temperate cereals. *Plant Science.* 176:12-19.
- 5.- Chao S., W. Zhang, E. Akhunov, J. Sherman, Y. Ma, M. Luo, and J. Dubcovsky. 2009. Analysis of gene-derived SNP marker polymorphism in wheat (*Triticum aestivum* L.). *Molecular Breeding.* 23:23-33.
- 6.- Bainotti, C., J. Frascina, J. H. Salines, J. E. Nisi, J. Dubcovsky, S. M. Lewis, L. Bullrich, L. Vanzetti, M. Cuniberti, P. Campos, M. B. Formica, B. Masiero, E. Alberione and M. Helguera. 2009. Registration of 'BIOINTA 2004' wheat. *Journal of Plant Registration* 3:165–169.
- 7.- Kong, L., J. M. Anderson and H. W. Ohm. 2009. Segregation distortion in bread wheat of a segment of *Thinopyrum intermedium* chromosome 7E carrying *Bdv3* and development of a *Bdv3* marker. *Plant Breeding* 128, 591—597.

- 8.- Weiss, A., P. S. Baenziger, G. S. McMaster, W. W. Wilhelm, and Z. I. Al Ajlouni. 2009. Quantifying phenotypic plasticity using genetic information for simulating plant height in winter wheat. *Netherlands Journal of Agricultural Science*. 57: 59–64.
- 9.- Sun X-C, Bai G-H and Carver BF. 2009 Molecular markers for wheat leaf rust resistance gene *Lr41*. *Mol Breed*. 23:311-321.
- 10- Wang, S., B. Carver, and L. Yan. 2009. Genetic loci in the photoperiod pathway interactively modulate reproductive development of winter wheat. *Theor Appl Genet* 118: 1339–1349.
- 11.- Haley, S.D., J.J. Johnson, P.H. Westra, F.B. Peairs, J.A. Stromberger, E.E. Heaton, S.A. Seifert, R.A. Kottke, J.B. Rudolph, G. Bai, R.L. Bowden, M.-S. Chen, X. Chen, Y. Jin, J.A. Kolmer, and B.W. Seabourn. 2009. Registration of 'Thunder CL' wheat. *J. Plant Reg.* 3:181-184.
- 12.- Peng, J.H., Y. Bai, S.D. Haley, and N.L. Lapitan. 2009. Microsatellite-based molecular diversity of bread wheat germplasm and association mapping of wheat resistance to the Russian wheat aphid. *Genetica* 135:95-122.
- 13.- Zheng, S., P.F. Byrne, G. Bai, X. Shan, S.D. Reid, S.D. Haley, and B.W. Seabourn. 2009. Association analysis reveals effects of wheat glutenin alleles and rye translocations on dough-mixing properties. *J. Cer. Sci.* 50:283-290.
- 14.- Cainong, J.C., L.E. Zavatsky, M.S. Chen, J. Johnson, B. Friebe, B.S. Gill, and A.J. Lukaszewski. 2010. Wheat-rye recombinants T2BS.2BL-2RL conferring resistance to Hessian fly (*H21*). *Crop Science*. 50:920–925.
- 15.- Miranda, L., D.E. Bland, S.E. Cambron, J. H Lyerly, J. Johnson, D. Buntin, and J.P. Murphy. 2010. Genetic Mapping of an *Aegilops tauschii*-derived Hessian Fly Resistance Gene in Common Wheat. *Crop Science*. 50:612–616.
- 16.- Sun, X., F. Marza, H. Ma, B.F. Carver and G.-H. Bai. 2010. Mapping Quantitative Trait Loci for Quality Factors in an Inter-Class Cross of U.S. and Chinese Wheat. *Theor Appl Genet*. 120:1041-51.
- 17.- Wu, S., M. Pumphrey, G.-H Bai. 2009. Molecular mapping of a stem rust resistance gene *Sr40* in wheat. *Crop Sci*. 49:1681-1686.
- 18.- Yu, J.-B. and G.-H. Bai. 2010. Mapping Quantitative Trait Loci for Long Coleoptile in Chinese Wheat Landrace Wangshuibai. *Crop Sci*. 50:59-66.
- 19.- Sun, X., , G.H. Bai, B.F. Carver, and R. Bowden. 2010. Molecular Mapping of Leaf Rust Resistance Gene *Lr42*. *Crop Sci*. 50:59–66.
- 20.- Li, T., G.-H. Bai, R. Bowden. 2009. Lesion mimics associate with adult plant resistance to leaf rust in Wheat. *Theor Appl Genet* 119:13-21
- 21.- Bernardo, A., P.J. Bradbury, H-X. Ma, S-W. Hu, R.L. Bowden, E.S. Buckler and G-H. Bai. 2009. Discovery and Mapping of Single Feature Polymorphisms in Wheat (*Triticum aestivum* L.) Using Affymetrix Arrays. *BMC Genomics*. 10:251.
- 22.- Hall, M.D., G. Brown-Guedira, A. Klatt, A.K. Fitz. 2009. Genetic analysis of resistance to soil-borne wheat mosaic virus derived from *Aegilops tauschii*. *Euphytica* 169:169-176.
- 23.- Olson, E.L., G. Brown-Guedira, D.S. Marshall, Y. Jin, M. Mergoum, I. Lowe, J. Dubcovsky. 2010. Genotyping of U.S. wheat germplasm for presence of stem rust resistance genes *Sr24*, *Sr36* and *Sr1RSAmigo*. *Crop Sci*. 50:668–675.
- 24.- Kuraparthi, V., S. Sood., D.R. See, B.S. Gill. 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 Sci*. 49:120-126.

- 25.- Chen, J., E. J. Souza, R. S. Zemetra, N. A. Bosque-Pérez, M. J. Guttieri, J. Wheeler, K. M. O'Brien, J. W. Windes, S. O. Guy, B. D. Brown, X. M. Chen. 2009. Registration of 'Cataldo' Spring Wheat. *J. Plant Registration* 3: 264 – 268.
- 26.- Griffey, C.A., W. E. Thomason, R. M. Pitman, B. R. Beahm, J. J. Paling, J. Chen, J. K. Fanelli, J. C. Kenner, D. W. Dunaway, W. S. Brooks, M. E. Vaughn, E.G. Hokanson, H. D. Behl, R. A. Corbin, J. T. Custis, C. M. Waldenmaier, D. E. Starner, S. A. Gulick, S. R. Ashburn, D. L. Whitt, H. E. Bockelman, E. J. Souza, D. L. Long, Y. Jin, X. Chen, and S. E. Cambron. 2009. Registration of 'USG 3555' Wheat. *J. Plant Registration* 3: 273 - 278.
- 27.- Griffey, C.A., W. E. Thomason, R. M. Pitman, B. R. Beahm, J. J. Paling, J. Chen, J. K. Fanelli, J. C. Kenner, D. W. Dunaway, W. S. Brooks, M. E. Vaughn, E.G. Hokanson, H. D. Behl, R. A. Corbin, J. T. Custis, C. M. Waldenmaier, D. E. Starner, S. A. Gulick, S. R. Ashburn, D. L. Whitt, H. E. Bockelman, E. J. Souza, D. L. Long, Y. Jin, X. Chen, and S. E. Cambron. 2009. Registration of '5205' Wheat. *J. Plant Registration* 3: 283 - 288.
- 28.- Griffey, C.A., W. E. Thomason, R. M. Pitman, B. R. Beahm, J. J. Paling, J. Chen, J. K. Fanelli, J. C. Kenner, D. W. Dunaway, W. S. Brooks, M. E. Vaughn, E.G. Hokanson, H. D. Behl, R. A. Corbin, J. T. Custis, C. M. Waldenmaier, D. E. Starner, S. A. Gulick, S. R. Ashburn, D. L. Whitt, H. E. Bockelman, E. J. Souza, D. L. Long, Y. Jin, X. Chen, and S. E. Cambron. 2010. Registration of 'Shirley' Wheat. *J. Plant Registration*. 4:38–43.
- 29.- Griffey, C.A., W. E. Thomason, R. M. Pitman, B. R. Beahm, J. J. Paling, J. Chen, J. K. Fanelli, J. C. Kenner, D. W. Dunaway, W. S. Brooks, M. E. Vaughn, E.G. Hokanson, H. D. Behl, R. A. Corbin, J. T. Custis, C. M. Waldenmaier, D. E. Starner, S. A. Gulick, S. R. Ashburn, D. L. Whitt, H. E. Bockelman, E. J. Souza, D. L. Long, Y. Jin, X. Chen, and S. E. Cambron. 2010. Registration of 'Jamestown' Wheat. *J. Plant Registration*. 4:28–33.
- 30.- Griffey, C.A., W. E. Thomason, R. M. Pitman, B. R. Beahm, J. J. Paling, J. Chen, J. K. Fanelli, J. C. Kenner, D. W. Dunaway, W. S. Brooks, M. E. Vaughn, E.G. Hokanson, H. D. Behl, R. A. Corbin, J. T. Custis, C. M. Waldenmaier, D. E. Starner, S. A. Gulick, S. R. Ashburn, D. L. Whitt, H. E. Bockelman, E. J. Souza, D. L. Long, Y. Jin, X. Chen, and S. E. Cambron. 2010. Registration of '3434' Wheat. *J. Plant Registration*. 4: 44-49.
- 31.- Francki, M.G., E. Walker, A.C. Crawford, S. Broughton, H. Ohm, I. Barclay, R.E. Wilson and R McLean. 2009. Comparison of genetic and cytogenetic maps of hexaploid wheat (*Triticum aestivum* L.) using SSR and DArT markers. *MGG* 281:181-191.
- 32.- Saltzmann K.D., M.P. Giovanini, H. Ohm, C.E.. Williams. 2010. Transcript profiles of two wheat lipid transfer protein-encoding genes are altered during attack by Hessian fly larvae. *Plant Physiology and Biochemistry*. 48:54-61.
- 33.- Friebe, B., L. Qi, D. Wilson, Z. Chang, D. Seifers, T.J. Martin, A. Fritz, and B. Gill. 2009. Wheat - Thinopyrum intermedium recombinants resistant to Wheat Streak Mosaic Virus and Triticum Mosaic Virus. *Crop Science*. 49: 1221-1226.
- 34.- Vijayalakshmi, K., A.K. Fritz, G.M. Paulsen, G. Bai, S. Pandravada and B.S. Gill. 2010. Modeling and mapping QTL for senescence-related traits in winter wheat under high temperature. *Molecular Breeding*. 26: 163–175.
- 35.- Liu, S., L.-Xi.Yu , R.P. Singh, Y. Jin, M.E. Sorrells, and J.A. Anderson. 2010. Diagnostic and codominant PCR markers for wheat stem rust resistance genes Sr25 and Sr26. *Theor Appl. Genet.* 120:691-697.
- 36.- Blake, N.K., S. P. Lanning, J. M. Martin, M. Doyle, J. D. Sherman, Y. Naruoka, and L. E. Talbert. 2009. Effect of variation for major growth habit genes on maturity and yield for five hard red spring wheat populations. *Crop Science* 49:1211-1220.

- 37.- Shiaoman Chao, Wenjun Zhang, Eduard Akhunov, Jamie Sherman, Yaqin Ma, Ming-Cheng Luo, and Jorge Dubcovsky. 2009. Analysis of gene-derived SNP marker polymorphism in US wheat (*Triticum aestivum* L.) cultivars. *Molecular Breeding* 23:23–33.
- 38.- Sherman, J. D., D. K. Weaver, M. Hofland, M. L. Buteler, S. P. Lanning, Y. Naruoka, F. Crutcher, N. K. Blake, J. M. Martin, P. Lamb, G. R. Carlson, and L. E. Talbert. 2010. Identification of Novel QTL for Sawfly Resistance in Wheat. *Crop Sci*, 50:73–86.
- 39.- Singh P.K., M. Mergoum, F. Gavami, S. Ali, T. B. Adhikari, and S. F. Kianian. 2009. Genetic and Molecular Analysis of Tan Spot of Wheat Resistance Effective Against *Pyrenophora tritici-repentis* Races 2 and 5. *Molecular Breeding* 25: 369–379.
- 40.- Mergoum, M., P. Singh, R. C. Froberg, S. Kianian, F. Ghavami, K. Hossain, T. Adhikari, V. Harilal, and S. Simsek. 2009. Registration of the Steele-ND/ND 735 Recombinant Inbred Lines Mapping Population. *Journal of plant Registration* 3:300-303.
- 41.- Baenziger, P.S., R.A. Graybosch, L.A. Nelson, R. N. Klein, D.D. Baltensperger, L. Xu, S. N. Wegulo, J.E. Watkins, Y. Jin, J. Kolmer, J. H. Hatchett, Ming-Shun Chen, and Guihua Bai. 2009. Registration of 'Camelot' wheat. *J. Plant Registrations* 3:256-263.
- 42.- Munkvold, J.D., J. Tanaka, D. Benscher, M.E. Sorrells. 2009. Mapping quantitative trait loci for preharvest sprouting resistance in white wheat. *Theor Appl Genet*. 119: 1223-1235.
- 43.- Heffner E.L., M.E. Sorrells, and J.L. Jannink. 2009. Genomic selection for crop improvement. *Crop Science* 49:1-12.
- 44.- Chen, Y., B.F. Carver, S. Wang, F. Zhang, L. Yan. 2009. Genetic loci associated with stem elongation and dormancy release in winter wheat. *Theoretical and Applied Genetics* 118: 881-889.
- 45.- Chen, Y., R.M. Hunger, B.F. Carver, H. Zhang, L. Yan. 2009. Genetic characterization of powdery mildew resistance in U.S. hard winter wheat. *Molecular Breeding*. 24:141-152.
- 46.- Wang, S., B.F. Carver, L. Yan. 2009. Genetic loci in the photoperiod pathway interactively modulate reproductive development of winter wheat. *Theoretical and Applied Genetics* 118:1139-1149.
- 47.- Rima Thapa, Brett F. Carver, and Carla L. Goad. 2010. Genetic differentiation of winter wheat populations following exposure to two management systems in early inbreeding generations. *Crop Science* 50:591–601.
- 48.- Riera-Lizarazu, O., C. J. Peterson, G. Wang, J. M. Leonard. 2010. Registration of the OS9XQ36 mapping population of wheat (*Triticum aestivum* L.). *Journal of Plant Registrations* 4:98–102.
- 49.- Lu, Huangjun, Jackie Rudd, John Burd, and Yiqun Weng. 2010. Molecular mapping of the greenbug resistance genes *Gb6* and *Gb2* in 1AL.1RS wheat-rye translocations. *Plant Breeding* 129, 472—476.
- 50.- Carter, A.H., X.M. Chen, K. Garland-Campbell, and K.K. Kidwell. 2009. Identifying QTL for high temperature adult-plant resistance to stripe rust (*Puccinia striiformis* f. sp. *tritici*) in the spring wheat (*Triticum aestivum* L.) cultivar 'Louise'. *Theoretical and Applied Genetics* 119:1119-1128.
- 51.- Kidwell, K.K., G. B. Shelton, V. L. DeMacon, X. M. Chen, J. S. Kuehner, B. Baik, D. A. Engle, A. H. Carter and N. A. Bosque-Pérez. 2009. Registration of 'Kelse' Wheat. *Journal of Plant Registrations* 3:269-272.
- 52.- Murphy, L.R. D. Santra, K. Kidwell, G. Yan, X. Chen, K. Garland Campbell. 2009. Linkage Maps of Wheat Stripe Rust Resistance Genes *Yr5* and *Yr15* for Use in Marker-Assisted Selection. *Crop Science* 49:1-5.
- 53.- Santra, D., M. Santra, R. Allan, K. Garland Campbell, K. Kidwell. 2009. *Vrn-1* allele composition of spring wheat germplasm from the Pacific Northwest region of the U.S. based on genetic segregation and DNA marker analyses. *Plant Breeding* 128: 576-584.

- 54.- Haley, S.D., J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Heaton, S.A. Seifert, R.A. Kottke, J.B. Rudolph, G. Bai, R.L. Bowden, M.-S. Chen, X. Chen, Y. Jin, J.A. Kolmer, & B.W. Seabourn. 2011. Registration of 'Snowmass' wheat. *J. Plant Reg.* 5:87–90
- 55.- Guedira, M, G Brown-Guedira, D Van Sanford, C Sneller, E Souza, D Marshall. 2010. Distribution of *Rht* genes in winter wheat germplasm from the eastern and central United States. *Crop Sci.* 50:1811-1822
- 56.- Olson, E, G Brown-Guedira, E Stack, RE Bowden, MO Pumphrey. 2010. Development of wheat lines having a small introgressed segment carrying stem rust resistance gene Sr22. *Crop Sci.* 50:1823–1830.
- 57.- Chen, Jianli & Souza, Edson & Bosque-Pérez, N.A. & Guttieri, Mary & O'Brien, K.L. & Windes, J.M. & Guy, S.O. & Brown, Brad & Chen, Xianming & Zemetra, Robert. (2010). Registration of 'UI Winchester' Wheat. *Journal of Plant Registrations.* 4. 10.3198/jpr2009.09.0520cr
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