

## CURRICULUM VITAE

**Full Name** : **Jae-Woo Kim, Ph.D.**

**Major in Animal Genetics**

**Mailing address** : **S162 Animal Science Research Center  
University of Missouri at Columbia  
920 East Campus Drive  
Columbia, MO 65211-5300  
e-mail : [kijae@missouri.edu](mailto:kijae@missouri.edu)**



### ■ The proof of education and experience

- 1988 – 1992**            **Awarded the degree of BSc from Department of Animal Science,  
College of Natural Resources, Yeungnam University, Korea**
- 1992 – 1994**            **Awarded the degree of MSc from Department of Animal Science,  
Graduate School, Yeungnam University, Korea**  
**MS Thesis ; “The Study for the Identification of Breed and Paternity Testing  
in the Poultry Using DNA Fingerprinting”**
- 1995 – 2000**            **Awarded the degree of Ph.D from Department of Animal Science,  
Graduate School, Yeungnam University, Korea**  
**Ph.D Thesis ; “Studies for the Genetic Purity and Improvement of  
Performance using DNA Markers and Linkage Mapping in Hanwoo (Korean  
Cattle)”**
- 1995 – 1997**            **Served in Korean military**
- 2000 – 2001**            **Research fellows, Institute of Biotechnology, Yeungnam University**
- 2002 – 2004**            **Research professor, Institute of Biotechnology, Yeungnam University**
- 2004.5 – 2005.4**        **Visiting Scholar, Department of Animal Science, Iowa State University**

This is supported by the Post-doctoral Fellowship Program of Korea Science & Engineering Foundation (KOSEF).

**2005.5 – 2006.4**     **Post-Doc. Fellow, Department of Animal Science, University of Missouri at Columbia**

### [ Publication ]

1. **Kim, J. W.**, Zhao, S.-H., Uthe, J. J., Bearson, S.M.D., and Tuggle, C. K. (2006) Assignment of the Scavenger receptor class B, member 2 gene (SCARB2) to porcine chromosome 8q11-q12 by somatic cell and radiation hybrid panel mapping. *Cytogenetics and Genome Research*. 112(3-4), 342H.
2. Kim, C.W., Hong, Y.H., Yun, S.I., Lee, S.R., Kim, Y.H., Kim, M.S., Chung, K.H., Jung, W.Y., Kwon, E.J., Hwang, S.S., Park, D.H., Cho, K.K., Lee, J.G., Kim, B.W., **Kim, J.W.**, Kang, Y.S., Yeo, J.S., Chang, K.T. (2006) Use of Microsatellite Markers to Detect Quantitative Trait Loci in Yorkshire Pigs. *The Journal of Reproduction and Development*. 52(1):
3. **Kim, J. W.**, Zhao, S.-H., Uthe, J. J., Bearson, S.M.D., and Tuggle, C. K. (2005) Physical mapping of eight pig genes whose expression level is acutely affected by *Salmonella* challenge. *Animal Genetics*. 36(4), 359-362.
4. Yeo, J. S., Lee, J. Y. and **Kim, J. W.** (2004) DNA marker mining of ILSTS035 microsatellite locus on chromosome 6 of Hanwoo cattle. *Journal of Genetics*. 83(3):245-250.
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7. **Kim, J. W.**, Park, S. I. and Yeo, J. S. (2003) Linkage Mapping and QTL on Chromosome 6 in Hanwoo (Korean Cattle). *Asian-Aust. J. Anim. Sci.* 16(10):1402-1405

8. Kim, K. S., Yeo, J. S., and **Kim, J. W.** (2002) Assessment of Genetic Diversity of Korean Native Pig (*Sus scrofa*) using AFLP Markers. *Genes & Genetic Systems*. 77:361-368
9. Lee, J. Y., Yeo, J. S., **Kim, J. W.**, and Lee, Y. W. (2002) A Major DNA marker mining of ILSTS035 microsatellite loci in Hanwoo chromosome 6. *Journal of the Korean Data & Information Sci. Soc.* 13(2):97-104
11. Yeo, J. S., **Kim, J. W.**, Chang, T. K., Nam, D. H., Han, J. Y., and Choi, C. B. (2002) Detection of DNA Fragment to Differentiate Korean Cattle. *Asian-Aust. Anim. Sci.*, 15(8):1071-1075
12. Kim, K. S., Yeo, J. S., Lee, J. W., **Kim, J. W.**, and Choi, C. B. (2002) Genetic Diversity of Goats from Korea and China Using Microsatellite Analysis. *Asian-Aust. Anim. Sci.*, 15(4):461-465
13. **Kim, J. W.**, Kang, T. S., Lee, J. H., Lee, M. Y., and Yeo, J. S. (2001) Identification of DNA markers Related to Marbling Score in Hanwoo. *J. Anim. Sci. & Technol.(Kor.)*. 43, 615-622.
14. Kim, C. W., Yeo, J. S., Cho, K. K., Jin, S. K., Oh, M. G., Park, J. K., Kwon, E. J., Hong, Y. H., Kim, G. H., Lee, B. K., Park, D. H., **Kim, J. W.**, and Lee, G. H. (2001) Analysis of Species-specific Genetic Marker and its Relationship with Meat Quality in Korea Native Pig(KNP). *J. Anim. Sci. & Technol.(Kor.)*. 43, 789-802.
15. Jin, S. K., Kim, C. W., Song, Y. M., Jang, W. H., Kim, Y. B., Yeo, J. S., **Kim, J. W.**, and Kang. K. H. (2001) Physicochemical Characteristics of *Longissimus* Muscle between the Korean Native Pig and Landrace. *Korean J. Food Sci. Ani. Resour.*, 21(2):142-148
16. **Kim, J. W.**, Jang, T. K., Park, Y. A., and Yeo, J. S. (2000) Linkage mapping of chromosome 6 in the Korean Cattle (Hanwoo). *Asian-Aust. J. Anim. Sci.* 13, 235.
17. Yeo, J. S., **Kim, J. W.**, and Chang, T. K. (2000) DNA markers Related to Economic Traits in Hanwoo (Korean Cattle). *Asian-Aust. J. Anim. Sci.* 13, 236-239.
18. Yeo, J. S., **Kim, J. W.**, Chang, T. K., Park, Y. A., and Nam, D. H. (2000) Utilization of DNA Marker-Assisted Selection in Korean Native Animals. *Biotechnol. Bioprocess.* 5, 71-78.
19. Yeo, J. S., **Kim, J. W.**, Chang, T. K., Park, Y. A., and Lee, J. H. (2000) Analysis of AFLP Markers Related to Economic Traits in Korean Native Pig. *J. Anim. Sci. & Technol.(Kor.)*. 42, 243-252.

20. Yeo, J. S., **Kim, J. W.**, Chang, T. K., Park, Y. A., Lee, J. H., Yook, S. K., and Lee, S. T. (2000) Genetic Analysis of Korean Native Pig Using DNA Fingerprinting. *J. Resource Development*, 19(1):52-60
21. Shin, W. J., Shen, X. J., Zheng, Z. Y., **Kim, J. W.**, Lee, J. H., and Yeo, J. S. (1999) Genetic characteristics for Hanwoo, Yanbian Yellow Cattle and Wagyu Using DNA Markers. *Korean J. Anim. Sci.* 41, 405-410.
22. Yeo, J. S., **Kim, J. W.**, Chang, T. K., Park, N. H., and Lee, M. Y. (1999) Identification of DNA Markers Related to Daily Gain in Hanwoo. *Korean J. Anim. Sci.* 41, 419-426.
23. Yeo, J. S., **Kim, J. W.**, and Chang, T. K. (1999) Assessment of DNA markers in Hanwoo (Korean Cattle). *Proc. the first joint symposium between Hokkaido Univ. and Yeungnam Univ.*, 126-132
24. Yeo, J. S., Choi, C. B., **Kim, J. W.**, Lee, E. J., and Woo, J. W. (1998) Study on Genetic Markers Related Economic Traits in Korean Native Chicken Using DNA Fingerprint. *J. Resource Development*. 17, 1-8.
25. Yeo, J. S., Lee, E. J., **Kim, J. W.**, Lee, M. Y., Park, N. H., and Yang, Y. H. (1998) Distribution of Specific DNA Markers in Korean Cattle Compared to Other Cattle Breeds. *Anim. Genet. & Breeding*. 2, 15-20.
26. Yeo, J. S., **Kim, J. W.**, Lee, E. J., Park, N. H., and Lee, M. Y. (1998) Assessment of Inbreeding and Relationship Coefficients in Korean Cattle Using DNA Fingerprinting. *Korean J. Anim. Sci.* 40, 151-156.
27. Yeo, J. S., **Kim, J. W.**, Lee, E. J., and Lee, S. T. (1997) Identification of Genetic Characteristics in the Korean Native Pig Using DNA Fingerprinting. *Korean J. Anim. Sci.*, 39(6):647-652
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29. Yeo, J. S., Lee, E. J., and **Kim, J. W.** (1996) Study for DNA Polymorphism of DNA Fingerprinting Using Several Different Restriction Enzymes and Probes in Korean Cattle. *Korean J. Anim. Sci.*, 38(6):555-560
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## [ Conference ]

1. Jeremy F Taylor, Robert D Schnabel, **Jae W Kim**, Matthew C McClure, Natalya S Morsci, Erin M Sellner, Ping Yao. (2006) Tools for Gene Discovery In Cattle. *Plant & Animal Genome XIV Conference*. Town & Country Hotel, San Diego, CA, January 14-18, W212 (Page55).
2. Natalya S Morsci, Erin M Sellner, Robert D Schnabel, **Jae-Woo Kim**, Yao Ping, Matthew C McClure, Jeremy F Taylor, (2006) QTL Mapping And Candidate Gene Analysis On BTA1 In Angus. *Plant & Animal Genome XIV Conference*. Town & Country Hotel, San Diego, CA, January 14-18, P529 (Page233).
3. Ping Yao, Robert D Schnabel, Erin M Sellner, Matthew C McClure, Natalya S Morsci, **Jae Woo Kim**, Jeremy F Taylor, (2006) Confirmation of QTL On Bovine Chromosomes 2 and 14 Influencing Growth and Carcass Traits In Angus. *Plant & Animal Genome XIV Conference*. Town & Country Hotel, San Diego, CA, January 14-18, P531 (Page234).
4. Matthew C McClure, Robert D Schnabel, Natalya S Morsci, Erin M Sellner, Ping Yao, **Jae Woo Kim**, Jeremy F Taylor, (2006) Mapping Growth and Carcass QTL On 8 Bovine Chromosomes In Commercial Angus Cattle. *Plant & Animal Genome XIV Conference*. Town & Country Hotel, San Diego, CA, January 14-18, P538 (Page236).
5. Robert D Schnabel, Erin M Sellner, Ping Yao, Matthew C McClure, Natalya S Morsci, **Jae-Woo Kim**, Jeremy F Taylor, (2006) Fine-Mapping QTL Influencing Milk Production And Female Fertility On BTA2 and BTA14. *Plant & Animal Genome XIV Conference*. Town & Country Hotel, San Diego, CA, January 14-18, P548 (Page238).
6. **Kim, J. W.**, Zhao, S.-H., Uthe, J. J., Bearson, S.M.D., and Tuggle, C. K. (2005) Physical mapping of five pig genes whose expression level is acutely affected by Salmonella challenge, The 2005 Annual Meeting of the Midwestern Sections of the American Dairy Science Association and the American Society of Animal Science, March 21 to 23, 2005, The Polk County Convention Center in Des Moines, IA.
7. Shawn M.D. Bearson, Jolita J. Uthe, Atabak R. Royaeae, Joan K. Lunney, Shu-Hong Zhao, **Jae-Woo Kim**, Chris K. Tuggle. (2005) The Transcriptional Response To Salmonella Infection In Swine, Safe pork 2005 conference, September 6 to 9, 2005, Double Tree Hotel Sonoma Wine Country, Rohnert Park, California

8. Chae, S. H., Larkin, D. M., Ghimeray, A. K., **Kim, J. W.**, Hong, J. H., Lewin, H. A., Yeo, J. S., and Choi, Inho. (2004) DNA sequence analysis and chromosome localization of the Korean Cattle BAC clones. *29th International Conference on Animal Genetics*, Tokyo, Japan: D22
9. Lee, Y. S., **Kim, J. W.**, Shin, H. S., Choi, Inho and Yeo, J. S. (2004) Marker-assisted selection in the Korean Cattle (Hanwoo) for economic traits using microsatellite DNAs. *29th International Conference on Animal Genetics*, Tokyo, Japan: F032.
10. Shin, H. S., Lee, Y. S., **Kim, J. W.**, Lee, J. Y. and Yeo, J. S. (2004) Mapping of quantitative trait loci for marbling score and daily gain in chromosome2 of Korean Cattle(Hanwoo). *29th International Conference on Animal Genetics*, Tokyo, Japan: F033.
11. Chae, S. H., Dennis, L. M., **Kim, J. W.**, Hong, J. M., Lee, E. J., Choi, C. B., Lewin, H. A., Yeo, J. S. and Choi, Inho. (2003) DNA SEQUENCE ANALYSIS AND CHROMOSOME LOCALIZATION OF KOREAN CATTLE BAC CLONES. *Plant & Animal Genome XII Conference*. Town & Country Hotel, San Diego, CA, January 10-14, P643.
12. Park, S. I., Chang, T. K., Lee, Y. S., Shin, H. S., **Kim, J. W.**, Lee, J. Y., and Yeo, J. S. (2003) Analysis of Bootstrap and MAS(marker assisted-selection) for QTLs on Hanwoo Chromosome 6 Linkage Map. *The 12th Annual Congress on Korean Society of Anim. Sci. and Tech.*, Jeju National University, Korea:PA23049
13. Kim, C. W., Lee, J. K., Bak, D. H., Cho, K. K., Song, Y. M., Choi, J. S., Ro, J. M., Yeo, J. S., **Kim, J. W.**, Hwan, S. S., Kwon, E. J., Park, S. H., Park, D. H., and Kim. B. W. (2003) Studies on DNA marker Related to Daily gain and Backfat thickness in Pig. *The 12th Annual Congress on Korean Society of Anim. Sci. and Tech.*, Jeju National University, Korea:PA23089
14. Choi, I. H., Chae, S. H., **Kim, J. W.**, Hong, J. M., Do, M. K., You, S. K., Choi, C. B., and Yeo, J. S. (2003) Construction of Hanwoo BAC library and analysis of the 5 and 3 terminal sequences of the BAC clones. *The 12th Annual Congress on Korean Society of Anim. Sci. and Tech.*, Jeju National University, Korea:PA23107
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Isolation, Identification and DNA sequence analysis of microsatellite DNAs in Hanwoo chromosomal DNA. *The 12th Annual Congress on Korean Society of Anim. Sci. and Tech.*, Jeju National University, Korea:PA23109

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18. Park, S. I., Kim, J. W., Lee, Y. S., Shin, M. J., Chang, T. K., and Yeo, J. S. (2002) Analysis of QTL and MAS(Marker Assisted-Selection) Using Hanwoo Chromosome 6 and 27 Linkage Map. *The 11th Annual Congress on Korean Society of Anim. Sci. and Tech.* Sunchon National University, Korea : PA22008
19. Lee, J. H., Park, S. I., Lee, Y. S., Kim, J. W., Yeo, J. S., and Kang, T. S. (2001) Analysis of Genetic Diversity and Relationship in Korean Native Animals. *The 10th Annual Congress on Korean Society of Anim. Sci. and Tech.* Chinju National University, Korea : PA21058
20. Kim, J. W., Park, S. I., Park, Y. A., Kang, T. S., Park, N. H., and Yeo, J. S. (2001) Linkage Mapping of Hanwoo Chromosome 6 Using Half-sib family. *The 10th Annual Congress on Korean Society of Anim. Sci. and Tech.* Chinju National University, Korea : PA21037
21. Yeo, J. S. Kim, J. W., Chang, T. K., Park, Y. A., Lee, J. H., and Park, S. I. (2000) Identification of DNA markers Related to Economic Traits in Hanwoo. *The 9th Annual Congress on Korean Federation of the Societies in Anim. Sci.* Seoul National University, Korea : PA20033
22. Kim, J. W., Yeo, J. S., Chang, T. K., Park, Y. A., and Lee, J. Y. (2000) Linkage mapping of chromosome 6 and QTL analysis of daily gain in Hanwoo(Korean Cattle). *The 9th Annual Congress on Korean Federation of the Societies in Anim. Sci.* Seoul National University, Korea : PA20032
23. Park, W. S., Kim, J. W., Kwon, E. J., Hong, Y. H., Lee, S. H., Kim, J. Y., Kim, K. R., Kang, T. S., Park, Y. A., Bak, D. H., Lee, J. K., Cho, K. K., Choi, J. S., Song, Y. M., Ro, J. M., Kim, S. S., Kim, C. W., and Yeo, J. S. (2000) Linkage mapping of Yorkshire chromosome 4. *The 9th Annual Congress on Korean Federation of the Societies in Anim. Sci.* Seoul National University, Korea : PA20031
24. Ro, J. M., Kim, J. W., Kwon, E. J., Park, W. S., Hong, Y. H., Hwang, S. S., Chang, T. K., Kang, T. S., Park,

- Y. A., Chang, W. H., Kim, Y. B., Kim, Y. H., Cho, K. K., Lee, S. T., Park, H. S., Choi, J. S., Jin, S. K., Kim, C. W., and Yeo, J. S. (2000) Linkage mapping of chromosome 4 in the Korean Native Pig. *The 9th Annual Congress on Korean Federation of the Societies in Anim. Sci.* Seoul National University, Korea : A20030
25. Yeo, J. S., **Kim, J. W.**, Chang, T. K., Park, Y. A., Lee, J. H., and Shin, W. J. (2000) Genetic Characteristics for the Far-East Asia Cattle Breeds(Hanwoo, Yanbian Yellow Cattle and Wagyu) Using DNA Markers. *The 9th Annual Congress on Korean Federation of the Societies in Anim. Sci.* Seoul National University, Korea : A20002
26. Chang, T. K., **Kim, J. W.**, Yeo, J. S., and Lee, M. Y. (1999) Identification of DNA marker related to Marbling score in Hanwoo(Korean Cattle) by AFLP(Amplified Fragment Length Polymorphism). *The 8th Annual Congress on Korean Federation of the Societies in Anim. Sci.* Gangwon National University, Korea : P99041
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28. **Kim, J. W.**, Chang, T. K., Park, N. H., and Yeo, J. S. (1999) Linkage Mapping of Hanwoo(Korean Cattle) at Chromosome 6. *The 8th Annual Congress on Korean Federation of the Societies in Anim. Sci.* Gangwon National University, Korea : P99010
29. **Kim, J. W.**, Lee, J. H., Lee, M. Y., and Yeo, J. S. (1999) Analysis of DNA markers Related to Meat Quality Traits in Hanwoo(Korean Cattle). *The 8th Annual Congress on Korean Federation of the Societies in Anim. Sci.* Gangwon National University, Korea : P99009
30. Chang, T. K., Yeo, J. S., and **Kim, J. W.** (1998) Development of genetic markers to identification in the Korean native pig using RAPD-PCR. *The 8th World Conference on Animal Production.* Seoul National University, Korea, 2:680-681(PG2-23)
31. **Kim, J. W.**, Yeo, J. S., Chang, T. K., and Park, N. H. (1998) DNA markers related to growth rate in Korean cattle(Hanwoo) using DNA fingerprint. *The 8th World Conference on Animal Production.* Seoul National University, Korea, 2:164-165(OG2-9)

32. Lee, E. J., Yeo, J. S., **Kim, J. W.**, and Woo, J. W. (1997) Parentage Test and Genetic Analysis of Korean Native Pig Using DNA Fingerprinting. *The 7th Annual Congress on Korean Federation of the Societies in Anim. Sci.* KunKook University, Korea : P97021
33. Yeo, J. S., **Kim, J. W.**, Lee, E. J., Park, N. H., and Lee, D. H. (1997) Assessment of Relationship Coefficients and Genetic Similarity in Korean Cattle Using DNA Fingerprinting. *The 7th Annual Congress on Korean Federation of the Societies in Anim. Sci.* KunKook University, Korea : P97016
34. Yeo, J. S., **Kim, J. W.**, Lee, E. J., Park, Y. S., and Lee, M. Y. (1997) Parentage Test and Genetic Analysis of Hanwoo Using DNA Fingerprinting. *The 7th Annual Congress on Korean Federation of the Societies in Anim. Sci.* KunKook University, Korea : P97015
35. Yeo, J. S., **Kim, J. W.**, Lee, E. J., Lee, M. Y., and Yang, Y. H. (1997) Study for Genetic Analysis of Cattle Breeds Using DNA Fingerprinting. *The 7th Annual Congress on Korean Federation of the Societies in Anim. Sci.*, KunKook University, Korea : P97014
36. **Kim, J. W.**, Yeo, J. S., Lee, E. J., and Woo, J. W. (1997) Identification of Genetic Markers Related to Economic Traits in Korean Native Chicken by DNA Fingerprinting. *The 7th Annual Congress on Korean Federation of the Societies in Anim. Sci.* KunKook University, Korea : P97006
37. **Kim, J. W.**, Lee, S. Y., Choi, C. B., and Yeo, J. S. (1994) Study for Identification of offspring in the Korean Native Chicken using DNA fingerprinting. *The 4th Annual Congress on Korean Federation of the Societies in Anim. Sci.* Gyeongsang National University, Korea : PA04
38. Yeo, J. S., **Kim, J. W.**, Han, J. Y., and Choi, C. B. (1994) Identification of Line-Specific Marker in the Korean Native Chicken using DNA fingerprinting. *Proc. 7th AAAP.* Bali, Indonesia, 3:5-6
39. Choi, C. B., **Kim, J. W.**, and Yeo, J. S. (1993) Individual identification and paternity testing in the Korean Native Chicken using DNA fingerprinting. *Proc. 7th AAAP.* Bali, Indonesia, 3:3-4
40. **Kim, J. W.**, Choi, C. B., and Yeo, J. S. (1993) Identification of Genetic Characteristics between Korean Native Chicken and Other breeds Chicken Using DNA Fingerprinting. *The 3rd Annual Congress on Korean Federation of the Societies in Anim. Sci.* Yeungnam University, Korea : A9327
41. **Kim, J. W.**, Choi, C. B., and Yeo, J. S. (1993) Studies on the Parentage Testing in Poultry Using DNA

Fingerprinting. *The 3rd Annual Congress on Korean Federation of the Societies in Anim. Sci.* Yeungnam University, Korea : A9326

## [ Patent ]

### - Admission

1. Yeo, J. S., and **Kim, J. W.** (2002. 8. 27) DNA probe to identify the Korean Cattle (Hanwoo) and method for identification thereof. Korean Intellectual Property Office. Admission number ; PATENT-0352059.
2. Kim, C. W., Park, S. K., Nam, S. H., Jin, S. K., Lee, S. W., Jung, K. Y., Bae, D. S., Son, M. A., Song, Y. M., Hwang, S. S., Kwon, E. J., Ha, K. H., Kim, D. S., Sung, S. H., and **Kim, J. W.** (2002. 11. 30) Functional pork using Kimchi and traditional soy-fermented foods and process for production thereof. Korean Intellectual Property Office. Admission number ; PATENT-2000-0080178.

### - Application

1. Yeo, J. S., **Kim, J. W.** and Choi, Inho. (2003. 12. 18) A new primer set and a selective method of hanwoo using said primer set. Korean Intellectual Property Office. Application number ; PATENT-2003-0093287.
2. Yeo, J. S., **Kim, J. W.**, Choi, Inho., Lee, Y. S., Chae, S. H. and Hong, J. M. (2003. 12. 18) A new primer set and a selective method of hanwoo using said primer set. Korean Intellectual Property Office. Application number ; PATENT-2003-0093288.
3. Kim, C. W., Lim, Y. B., Park, S. H., Hwang, S. S., Kwon, E. J., Park, S. H., Park, D. H., Hong, Y. H., Lee, H. J., Lee, H. H., and **Kim, J. W.** (2002. 7. 22) Gene testing method for finding character of each gene of human. Korean Intellectual Property Office. Application number ; PATENT-2002-0042871

## [ GenBank Accession Number ]

1. Yeo, J. S., **Kim, J. W.**, Chang, T. K., and Park, Y. A. (2001) *Bos taurus* breed Hanwoo marbling-related AFLP marker YUG1. GeneBank No. AF296449
2. Yeo, J. S., **Kim, J. W.**, Chang, T. K., and Park, Y. A. (2001) *Bos taurus* breed Hanwoo marbling-related AFLP marker YUG2. GeneBank No. AF297628.
3. Yeo, J. S., **Kim, J. W.**, Chang, T. K., and Park, Y. A. (2001) *Bos taurus* breed Hanwoo daily gain AFLP

marker, genomic sequence. GeneBank No. AF355400

4. Yeo, J. S., **Kim, J. W.**, Chang, T. K., and Park, Y. A. (2001) *Bos taurus* breed Hanwoo daily gain AFLP marker, genomic sequence. GeneBank No. AF355401