



Reference List of Published Outputs (2006 – 2010 only)

Books and Book Chapters

Greeff, J; Kinghorn, B P and **Brown, D J** (2010). Breeding and Selection. In *International Sheep and Wool Handbook*, Cottle, D J (ed). Nottingham University Press

van der Werf, J; **Graser, H-U**, Frankham, R and Gondro, C (Eds) (2008). "Adaptation and Fitness in Animal Populations. Evolutionary and Breeding Perspectives on Genetic Resource Management." Springer.

van der Werf, J H J; **Swan, A A** and **Banks, R G** (2017). Advances in sheep breeding. In J Greyling (Ed.), *Achieving sustainable production of sheep* (ch. 6). Cambridge, UK: Burleigh Dodds Science Publishing

Journal Articles

Banks, R G and **Brown, D J** (2009). "Genetic improvement in the Australasian Merino – management of a diverse gene pool for changing markets." *Animal Genetic Resources Information* 45:29-36.

Barwick, S A (2010). "Lifting beef industry productivity through genetic improvement - progress and challenges in a changing climate". *Australian Farm Business Management Journal* 7 (2): [15-20](#).

Barwick, S A; Johnston, D J; Burrow, H M; Holroyd, R G; Fordyce, G; **Wolcott, M L**; Sim, W D and Sullivan, M T (2009). "Genetics of heifer performance in 'wet' and 'dry' seasons and their relationships with steer performance in two tropical beef genotypes." *Animal Production Science* 49:367-382 doi: 10.1071/EA08273.

Barwick, S A; Wolcott, M L; Johnston, D J; Burrow, H M and Sullivan, M T (2009). "Genetics of steer daily and residual feed intake in two tropical beef genotypes, and relationships among intake, body composition, growth and other post-weaning measures." *Animal Production Science* 49:351-366.

Brown, D J (2006). "Genetic aspects of greasy wool colour assessments in Merino sheep." *International Journal of Sheep and Wool Science* 54(3): 1-16.

Brown, D J; Swan, A A and Gill, J S (2010). "Within- and across-flock genetic relationships for breech flystrike resistance indicator traits". *Animal Production Science* 50:1060-1068 [doi: org/10.1071/AN10102](#).

Bunter, K L; Bennett, C; Luxford, B G and **Graser, H-U** (2008). "Sire breed comparisons for meat and eating quality traits in Australian pig populations". *Animal* 2 (8):1168-1177.

Bunter, K L; Cai, W; **Johnston, D J** and Dekker, J C M (2010). "Selection to reduce residual feed intake in pigs produces a correlated response in juvenile insulin-like growth factor-I (IGF-1) concentration." *Journal of Animal Science* 88 (6):1973-1981 [doi: 10.2527/jas.2009-2445](#).

Cloete, S W P; Brand, Z; **Bunter, K L** and Malecki, I A (2008). "Direct responses in breeding values to selection of ostriches for liveweight and reproduction." *Australian Journal of Experimental Agriculture* 48:1314-1319.

Cloete, S W P; **Bunter, K L**; Lambrechts, H; Brand, Z; Swart, D and Greyling, J P C (2006). "Variance components for live weight, body measurements and reproductive traits of pair-mated ostrich females." *British Poultry Science* 47(2): 147-158.

Cloete, S W P; Engelbrecht, A; Olivier, J J and **Bunter, K L** (2008). "Deriving a preliminary breeding objective for commercial ostriches: an overview." *Australian Journal of Experimental Agriculture* 48:1247-1256.

Ding, M; Tier, B; Dutkowski, G; Wu, H X; Powell, M B and Mc Rae, T A (2008). "Multi- environment trial analysis for *Pinus radiata*." *New Zealand Journal of Forestry Science* 38 (1):143-159.

Ding, M; Tier, B; Yan, W; Wu, H X; Powell, M B and Mc Rae, T A (2008). "Application of GGE biplot analysis to evaluate genotype (G), environment (E), and G×E interaction on *Pinus radiata*: a case study." *New Zealand Journal of Forestry Science* 38 (1):132-142.

Fleming, E; Fleming, P; Griffith, G and **Johnston, D J** (2010). "Measuring beef cattle efficiency in Australian feedlots: Applying technical efficiency and productivity analysis methods." *Australasian Agribusiness Review* 18: 43-65.

Fortes, M R S; Reverter, A; **Zhang, Y**; Collis, E; Nagaraj, S H; Jonsson, N N; Prayaga, K C; Barris, W and Hawken R J (2010). "Association weight matrix for the genetic dissection of puberty in beef cattle." *Proceedings of the National Academy of Sciences of the United States of America* 107 (21): 13642-13647 [doi: 10.1073/pnas.1002044107](https://doi.org/10.1073/pnas.1002044107).

Hawken, R J; Cavanagh, J A L; Meadows, J R S; Khatkar, M; Husaini, Y; Zenger, K R; **McClintock, S**; McClintock, A E and Raadsma, H W (2006). "Technical Note: Whole-genome amplification of DNA extracted from cattle semen samples." *Journal of Dairy Science* 89 (6): 2217-2221.

Hermesch, S (2008). "Genetic relationships between composition of pork bellies and performance, carcass and meat quality traits." *Animal* 2 (8):1178-1185.

Huisman, A E and Brown, D J (2008) Genetic parameters for body weight, wool, and disease resistance and reproduction traits in Merino sheep: 2. Genetic relationships between body weight traits and other traits, *Australian Journal of Experimental Agriculture* 48(9): 1186-1193.

Huisman, A E and Brown, D J (2009). "Genetic parameters for bodyweight, wool and disease resistance and reproduction traits in Merino sheep. 3. Genetic relationships between ultrasound scan traits and other traits." *Animal Production Science* 49:283-288.

Huisman, A E and Brown, D J (2009). "Genetic parameters for bodyweight, wool and disease resistance and reproduction traits in Merino sheep. 4. Genetic relationships between and within wool traits." *Animal Production Science* 49:289-296.

Huisman, A E; Brown, D J, Ball, A J and **Graser, H -U** (2008) Genetic parameters for body weight, wool, and disease resistance and reproduction traits in Merino sheep: 1. Description of traits, model comparison, variance components and their ratios, *Australian Journal of Experimental Agriculture* 48(9): 1177-1185.

Huisman, A E; Tier, B and Brown, D J (2006). "On assessing contrasts between groups of animals."

Livestock Science 104(3): 254-267.

Intaratham, W; Koonawootrittriron, S; Sopannarath, P; **Graser, H-U** and Tumwasorn, S (2008). "Genetic parameters and annual trends for birth and weaning weights of a Northeastern Thai indigenous cattle line." *Asian-Australasian Journal of Animal Sciences* 21(4):478-483.

Jeyaruban, M G and Rahman, M H (2010). "Proposed breeding structure for cattle development in countries in the South Asia Pacific region." Selection in Asia: and Breeding of Cattle Strategies and Criteria for Improved Breeding, IAEA TEC DOC-1620 pp.25-34.

Jeyaruban, M G; Johnston, D J and Graser, H-U (2009). "Estimation of genotype x environment interactions for growth, fatness and reproductive traits in Australian Angus cattle." *Animal Production Science* 49:1-8.

Johnston, D J and Graser, H-U (2010). "Estimated gene frequencies of GeneSTAR markers and their size of effects on meat tenderness, marbling and feed efficiency in temperate and tropical beef cattle breeds across a range of production systems." *Journal of Animal Science* 88 (6):1917- 1935 [doi: 10.2527/jas.2009-2305](https://doi.org/10.2527/jas.2009-2305).

Johnston, D J; Barwick, S A; Corbet, N J; Fordyce, G; Holroyd, R G; Williams, P J and Burrow, H M (2009). "Genetics of heifer puberty in two tropical beef cattle genotypes in northern Australia and associations with heifer and steer production traits." *Animal Production Science* 49:399-412.

Kadel, M J; Johnston, D J; Burrow, H M; Graser, H-U and Ferguson, D M (2006). "Genetics of flight time and other measures of temperament and their value as selection criteria for improving meat quality traits in tropically adapted breeds of beef cattle." *Aust. J Agric Research* 57(9): 1029- 1035.

Khatkar, M S; Zenger, K R; Hobbs, M; Hawken, R J; Cavanagh, J A L; Barris, W; McClintock, A E; **McClintock, S; Thomson, P C; Tier B; Nicholas, F W and Raadsma H W** (2007). "A primary assembly of a bovine haplotype block map based on a 15,036-single-nucleotide polymorphism panel genotyped in Holstein-Friesian cattle". *Genetics* 176:763-772.

Lewis, C R G; Ait-Ali, T; Wilson, A; Westcott, D G; Frossard, J-P; Naidu, B, Mellencamp, M A; Torremorell, M; Drew, T; Bishop, S C and Archibald, A A (2010). "Effects of porcine reproductive and respiratory syndrome virus on the performance of pregnant gilts and growing pigs." *Animal Production Science* 50 (9):890-896 [doi: org/10.1071/AN10023](https://doi.org/10.1071/AN10023).

Lewis, C R G; Krebs, N; Hulbert, L E and McClone, J J (2010). "Use of a putative maternal pheromone during transport and the effect of trailer temperatures on pig losses and welfare." *Animal Production Science* 50 (10):916-924 [doi: org/10.1071/AN09147](https://doi.org/10.1071/AN09147).

Marshall, K; Maddox, J F; Lee, S H; **Zhang, Y; Kahn, L; Graser, H-U; Gondro, C; Walkden- Brown, S W and van der Werf, J H J** (2009). "Genetic mapping of quantitative trait loci for resistance to *Haemonchus contortus* in sheep." *Animal Genetics* 40(3):262-272.

McKiernan, W A; Wilkins, J F; Irwin, J; Orchard, B and **Barwick, S A** (2009). "Performance of steer progeny of sires differing in genetic potential for fatness and meat yield following post- weaning growth at different rates: 2. Carcass traits." *Animal Production Science* 49:525-534.

Meyer, K (2007). "Multivariate analyses of carcass traits for Angus cattle fitting reduced rank and factor-analytic models." *J Anim Breed Genet* 124 (2):50-64.

Meyer, K (2007). "WOMBAT – a tool for mixed model analyses in quantitative genetics by restricted maximum likelihood (REML)." *J Zhejiang University Science B* 8 (11):815-821.

Meyer, K (2008). "Estimation of genetic parameters: it takes three to tango." *Journal of Animal Breeding and Genetics* 125 (6):361-362.

Meyer, K (2008). "Likelihood calculations to evaluate experimental designs to estimate genetic variances." *Heredity* 101 (3):212-221.

Meyer, K (2008). "Parameter expansion for estimation of reduced rank covariance matrices." *Genetics Selection Evolution* 40 (1):3-24.

Meyer, K (2009). "Factor-analytic models for genotype x environment type problems and structured covariance matrices." *Genetics Selection Evolution* 41:21.

Meyer, K and Kirkpatrick, M (2008). "Perils of parsimony: Properties of reduced-rank estimates of genetic covariance matrices." *Genetics* 180 (2):1153-1166.

Meyer, K and Kirkpatrick, M (2010). "Better estimates of genetic covariance matrices by 'bending' using penalized maximum likelihood." *Genetics* 185:1097-1110 [doi: 10.1534/genetics.109.113381](https://doi.org/10.1534/genetics.109.113381).

Mortimer, S I; Robinson, D L; Atkins, K D; Brien, F D; **Swan, A A**; Taylor, P J and Fogarty, N M (2009). "Genetic parameters for visually assessed traits and their relationships to wool production and liveweight in Australian Merino sheep." *Animal Production Science* 49(1):32-42.

Moser, G; **Tier, B**; **Crump, R E**; Khatkar, M S and Raadsma, H W (2009). "A comparison of five methods to predict genomic breeding values of dairy bulls from genome-wide SNP markers." *Genetics Selection Evolution* 41:56.

Prayaga, K C; Corbet, N J; **Johnston, D J**; **Wolcott, M L**; Fordyce, G and Burrow, H M (2009). "Genetic analyses of heifer adaptive traits and their relation to growth, pubertal and carcass traits in two tropical beef cattle genotypes." *Animal Production Science* 49:413-425.

Raadsma, H W; Moser, G; **Crump, R E**; Khatkar, M S; Zenger, K R; Cavanagh, J A L; Hawken, R J; Hobbs, M; Barris, W; Solkner, J; Nicholas, F W and **Tier, B** (2008). "Predicting genetic merit for mastitis and fertility in dairy cattle using genome wide selection and high density SNP screens". *Animal Genomics for Health (Developments in Biologicals)* 132: 219-223.

Rauw, W M; **Hermesch, S**; **Bunter, K L** and Gomez-Raya, L. (2009). "The relationship of food intake during growth and food intake at maturity with lactation food intake in a mouse model." *Livestock Science* 123:249-254.

Swan, A A; Purvis, I W and Piper, L R (2008). "Genetic parameters for yearling wool production, wool quality and bodyweight traits in fine wool Merino sheep." *Australian Journal of Experimental Agriculture*. 48 (9):1168-1176.

Tier, B (2010). "Genomic selection: promises and propriety." *Journal of Animal Breeding and Genetics* 127 (3):169-170 [doi: 10.1111/j.1439-0388.2010.00876.x](https://doi.org/10.1111/j.1439-0388.2010.00876.x).

Walmsley, B J; **Wolcott, M L** and McPhee, M J (2010). "Modelling the relationship between scanned rump and twelfth-rib fat in young temperate and tropical Bovines: model development and evaluation." *Journal of Animal Science* 88 (5):1848-1859 [doi: 10.2527/jas.2009-2633](https://doi.org/10.2527/jas.2009-2633).

Wilkins, J F; McKiernan, W A; Irwin, J; Orchard, B and **Barwick, S A** (2009). "Performance of steer

progeny of sires differing in genetic potential for fatness and meat yield following post- weaning growth at different rates: 1. Growth and live animal composition." *Animal Production Science* 49:515-524.

Wolcott, M L; Graser, H-U and Johnston, D J (2010). "Effects of early weaning on growth, feed efficiency and carcass traits in Shorthorn cattle." *Animal Production Science* 50 (4):315-321 [doi: org/10.1071/AN09153](https://doi.org/10.1071/AN09153).

Wolcott, M L; Johnston, D J; Barwick, S A; Iker, C L; Thompson, J M and Burrow, H M (2009). "The genetics of meat quality and carcass traits in two tropical beef genotypes and the impact of tenderstretch on genetic and phenotypic tenderness." *Animal Production Science*. 49:383-398.

Conference Papers

Arasta, P; Chen, Y; **Zhang, Y;** Kerr, R; **Graser, H-U;** Luxford, B and Moran, C (2007). "cyp21 as a candidate gene for androstenone on boar taint." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.65-68.

Arthur, P; Herd, R; **Johnston, D J; Wolcott, M L and Barwick, S A** (2006). "Genetics of growth and feed efficiency." Proceedings of 'Australian Beef the Leader' Conference, Armidale, 7-8 March, pp. 53-64.

Arthur, P; Herd, R; **Johnston, D J; Wolcott, M L and Barwick, S A** (2006). "Genetics of growth and feed efficiency." Proceedings of 'Australian Beef the Leader' Conference, Armidale, 7-8 March, pp. 53-64.

Banks, R G; **Brown, D J** and Field, S R (2009). "Meta-analysis of cross-bred progeny data for Australian terminal sire sheep." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28- October 1. pp.480-483.

Banks, R G; Burrow, H and **Graser, H-U** (2009). "Progress in development and implementation of a strategy for commercialisation of DNA marker technology for the Australian beef industry." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.22-25.

Barwick, S A; Henzell, A L and McCann, A R (2007). "Evaluating Australian bulls on indexes of other countries and international bulls on Australian indexes." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.521-524.

Barwick, S A; Johnston, D J; Wolcott, M L and Burrow, H M (2006). "Genetic correlations between steer and heifer, and between environments for measures of growth and live body composition in two tropical genotypes." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 03-23.

Barwick, S A; Johnston, D J; Wolcott, M L and Burrow, H M (2006). "Genetic correlations between steer and heifer, and between environments for measures of growth and live body composition in two tropical genotypes." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 03-23.

Barwick, S A; Johnston, D J; Wolcott, M L; Wilkins, J F and McKiernan, W A (2009). "Evaluation of the Angus BREEDPLAN IMF% EBV in 100d-fed Angus x Hereford steer progeny." Proceedings of the 18th

Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.484-487.

Bolormaa, S; Hayes, B; Hawken, R; **Zhang, Y** and Goddard, M (2010). "Detection of chromosome segments of Zebu and Taurine origin and their effect on body weight." Proceedings of the 9th World Congress on Genetics Applied to Livestock Production. Leipzig, Germany, 1-6 August. Paper [0229](#).

Braun, J A; **Bunter, K L**; Cai, W; **Crump, R E**; Dekkers, J; **Graser, H-U**; **Henzell, A**; **Hermesch, S**; Luxford, B G; **Nakavisut, S**; **Suárez, M** and Walters, R (2006). "Pig Genetics Workshop Notes", Armidale, 25-26 October, pp 1-89.

Braun, J A; **Bunter, K L**; Cai, W; **Crump, R E**; Dekkers, J; **Graser, H-U**; **Henzell, A**; **Hermesch, S**; Luxford, B G; **Nakavisut, S**; **Suárez, M** and Walters, R (2006). "Pig Genetics Workshop Notes", Armidale, 25-26 October, pp 1-89.

Brown D J; **Huisman, A E**; **Swan, A A**; **Graser, H-U**; Woolaston, R R; Ball, A J; Atkins, K D and Banks, R G (2007). "Genetic evaluation for the Australian sheep industry." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.187-194.

Brown, D J (2007). "Variance components for lambing ease and gestation length in sheep." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.268-271.

Brown, D J; Ball, A J; **Huisman, A E**; Swan, A A; Atkins, R D; **Graser, H-U**; Banks, R, Swan, P and Woolaston, R R (2006). "Sheep Genetics Australia: A national genetic evaluation system for Australian sheep." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 05-03.

Brown, D J; Ball, A J; **Huisman, A E**; Swan, A A; Atkins, R D; **Graser, H-U**; Banks, R, Swan, P and Woolaston, R R (2006). "Sheep Genetics Australia: A national genetic evaluation system for Australian sheep." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 05-03.

Brown, D J; **Swan, A A** and **Graser, H-U** (2010). "Genetic relationships between indicator traits for fly strike resistance and production traits in Merino sheep." Proceedings of the 9th World Congress on Genetics Applied to Livestock Production. Leipzig, Germany, 1-6 August. Paper [0924](#).

Brown, D J; **Swan, A A**; **Johnston, D J** and **Graser, H-U** (2009). "Sire by flock-year interactions for body weight in Poll Dorset sheep." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.48-51.

Bunter, K L (2009), "Managing consequences of increasing litter size: A genetic perspective." Proceedings of the 12th Biennial Conference of the Australian Pig Science Association (APSA). Cairns, Qld. 22 – 25 November 2009. pp.149-156.

Bunter, K L and Bennett, C (2006). "Genotype differences for meat and eating quality traits in Australian pig populations." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 06-15.

Bunter, K L and Bennett, C (2006). "Genotype differences for meat and eating quality traits in Australian pig populations." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 06-15.

Bunter, K L, Tull, M and Luxford, B G (2007). "Factors affecting feed intake during lactation for primiparous sows." Proceedings of the 11th Biennial Conference of the Australasian Pig Science Association. Brisbane, Australia, November 25-28. p.121.

Bunter, K L; Henzell, A; Hermesch, S; Jones, R; Kinghorn, B; Larochele, M; Luxford, B G; Marois, D; Méroux, I; Smits, R; Walters, R and Wiseman, J (2008). "Pig Genetics Workshop Notes", Armidale, 22-23 October, pp 1-109.

Bunter, K L; Lewis, C R G and Luxford, B G (2009). "Variation in sow health affects the information provided by lactation feed intake data." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.504-507.

Bunter, K L; Lewis, C R G; Hermesch, S; Smits, R and Luxford, B G (2010). "Maternal capacity, feed intake and body development in sows." Proceedings of the 9th World Congress on Genetics Applied to Livestock Production. Leipzig, Germany, 1-6 August. Paper [0071](#).

Bunter, K L; Luxford, B G and **Hermesch, S** (2007). "Associations between feed intake of growing gilts, lactating sows and other reproductive or performance traits." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.57-60.

Bunter, K L; Luxford, B G; Smits, R and **Hermesch, S** (2009). "Associations between sow body composition, feed intake during lactation and early piglet growth." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.203-206.

Burrow, H M; **Johnston, D J;** Thompson, J M; Reverter, A; **Barwick, S A** and Perry D (2006). "The genetics of carcass and beef quality: take-home messages from the Beef CRC." Proceedings of 'Australian Beef - the Leader' Conference, Armidale NSW, 7-8 March, pp 69-77.

Burrow, H M; **Johnston, D J;** Thompson, J M; Reverter, A; **Barwick, S A** and Perry D (2006). "The genetics of carcass and beef quality: take-home messages from the Beef CRC." Proceedings of 'Australian Beef - the Leader' Conference, Armidale NSW, 7-8 March, pp 69-77.

Chen, Y; **Zhang, Y;** MacLeod, I; Kerr, R; **Bunter, K L;** Hayes, B; **Tier, B;** **Graser, H-U;** Luxford, B G; Goddard, M E and Moran, C (2009). "QTL mapping for feed conversion efficiency on porcine chromosome 10 in an Australian commercial population." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.183-186.

Corbet, N J; Burns, B M; Corbet, D H; **Johnston, D J;** Crisp, J M; McGowan, M R; Prayaga, K C; Venus, B K and Holroyd, R G (2009). "Genetic variation in growth, hormonal and seminal traits of young tropically adapted bulls." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.121-124.

Corbet, N J; Prayaga, K C; **Johnston, D J** and Burrow, H M (2007). "Genetic variation in adaptive traits of cattle in north Australia." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.348-351.

Crump, R E; Tier, B; Moser, G; Sölkner, J; Kerr, R J; **Woolaston, A F;** Zenger, K R; Khatkar, M S; Cavanagh, J A L and Raadsma, H W (2007). "Genome wide selection in dairy cattle: use of genetic algorithms in the estimation of molecular breeding values." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.304-307.

Donoghue, K A, Johnston, D J and **Graser, H-U** (2007). "Enhancements for Australian Brahman BREEDPLAN." *Proc. Northern Beef Research Update Conference*. Townsville, Australia, March 20-22.

Donoghue, K A, Johnston, D J, Graser, H-U and **Tier, B** (2007). "AGBU's approach to across- country genetic evaluation for beef cattle." *Interbull Bulletin* 37, 12-15.

Donoghue, K A; Johnston, D J and **Graser, H-U** (2007). "Impact of addition of new herds on genetic parameter estimates in the Australian Brahman population." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.352-355.

Donoghue, K A; Sapa, J and Phocas, F (2006). "Genetic relationships between measures of temperament in Australia and French Limousin cattle." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 17-10.

Donoghue, K A; Sapa, J and Phocas, F (2006). "Genetic relationships between measures of temperament in Australia and French Limousin cattle." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 17-10.

Donoghue, K A; Sapa, J; Phocas, F and McDonald, A (2006). "Genetic relationships between measures of docility in Australia, France and North America." Proceedings of the 16th International Limousin Conference, Sydney, Australia, 6 April.

Donoghue, K A; Sapa, J; Phocas, F and McDonald, A (2006). "Genetic relationships between measures of docility in Australia, France and North America." Proceedings of the 16th International Limousin Conference, Sydney, Australia, 6 April.

Englebrecht, A; Cloete, S W P; **Bunter, K L** and van Wyk, J B (2009). "Estimating heritability of subjectively assessed ostrich leather quality traits using threshold models." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.548-551.

Ferguson, D M; **Johnston, D J;** Burrow, H M and Reverter, A (2006). "Relationships between temperament, feedlot performance and beef quality." Proceedings of 'Australian Beef - the Leader' Conference, Armidale NSW, 7-8 March, pp 161-165.

Ferguson, D M; **Johnston, D J;** Burrow, H M and Reverter, A (2006). "Relationships between temperament, feedlot performance and beef quality." Proceedings of 'Australian Beef - the Leader' Conference, Armidale NSW, 7-8 March, pp 161-165.

Fortes, M R S; Reverter, A; **Zhang, Y;** Collis, E; Nagaraj, S H; Jonsson, N N; Barris, W and Hawken, R J (2010). "A new method for exploring genome-wide associations applied to cattle puberty."

Proceedings of the 9th World Congr. Genet. Appl. Livest. Prod. Leipzig, Germany, 1-6 August. Paper [0185](#).

Gilbert, H; Billon, Y; Lagant, H; Calderon, J A; Guillouet, P; Bidanel, J-P; Noblet, J; Sellier, P and **Hermesch, S** (2010). "Correlated responses in sow feed intake, body composition and reproduction after divergent selection for residual feed intake in the growing pig." Proceedings of the 9th World Congr. Genet. Appl. Livest. Prod. Leipzig, Germany, 1-6 August. Paper [0414](#).

Gubbins, T and **Upton, W H** (2007). "Breeding Program Design Initiatives." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.16-21.

Hansson, A C and **Bunter, K L** (2007). "Economic weights for disease resistance in Sydney rock oysters." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.115-118.

Hayes, B J; Daetwyler, H D; Bowman, P; Moser, G; **Tier, B; Crump, R**; Khatkar, M; Raadsma, H W and Goddard, M E (2009). "Accuracy of genomic selection: comparing theory and results." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.34-37.

Hermesch, S (2007). "Genetic analysis of lactation feed intake in lactating sows." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.61-64.

Hermesch, S and **Jones, R M** (2007). "Association between lactation, feed intake and lifetime reproductive performance of sows." Proceedings of the 11th Biennial Conference of the Australasian Pig Science Association. Brisbane, Australia, November 25-28. p.196.

Hermesch, S; Huisman, A E; Luxford, BG and **Graser, H-U** (2006). "Analysis of genotype by feeding level interaction in pigs applying reaction norm models." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 06-03.

Hermesch, S; Huisman, A E; Luxford, BG and **Graser, H-U** (2006). "Analysis of genotype by feeding level interaction in pigs applying reaction norm models." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 06-03.

Hermesch, S; Jones, R M; Bunter, K L and Gilbert, H (2010). "Consequences of selection for lean growth and prolificacy on sow attributes." Proceedings of the 9th World Congr. Genet. Appl. Livest. Prod. Leipzig, Germany, 1-6 August. Paper [0292](#).

Hickey, J M; Kinghorn, B P; Cleveland, M A; **Tier, B** and van der Werf, J H J (2010). "Recursive long range phasing and long haplotype library imputation: building a global haplotype library for Holstein cattle." Proceedings of the 9th World Congr. Genet. Appl. Livest. Prod. Leipzig, Germany, 1-6 August. Paper [0934](#).

Hickey, J M; Kinghorn, B P; **Tier, B** and van der Werf, J H J (2009). "Phasing of SNP data by combined recursive long range phasing and long range haplotype imputation." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.72-75.

Huisman, A E and Brown, D J (2006). "Predictive ability of sire weaning weight breeding values Estimated across environments in terminal sire sheep breeds." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 04-07.

Huisman, A E and Brown, D J (2006). "Predictive ability of sire weaning weight breeding values Estimated across environments in terminal sire sheep breeds." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 04-07.

Huisman, A E and Brown, D J (2007). "What genetic group structure to fit? A Bayesian approach applied to yearling worm egg count data in Merino sheep." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.399-402.

Iker, C; Wolcott, M L; Johnston, D J and Thompson, J M (2007). "Genetics of meat quality traits in two tropically adapted genotypes of beef cattle 2. Influence of tenderstretching." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.360-363.

Irwin, J; Wilkins, J F; McKiernan, W A and **Barwick, S A** (2006). "Relationships between carcass measures and estimates of meat quality traits in steers with diverse genotypes and having different pre-feedlot growth treatments." Proceedings of the Australian Society of Animal Production 26th Biennial Conference. Western Australia, 10 July. Short Communication No. 19.

Irwin, J; Wilkins, J F; McKiernan, W A and **Barwick, S A** (2006). "Relationships between carcass measures and estimates of meat quality traits in steers with diverse genotypes and having different pre-feedlot growth treatments." Proceedings of the Australian Society of Animal Production 26th Biennial Conference. Western Australia, 10 July. Short Communication No. 19.

Jeyaruban, M G; Johnston, D J and Graser, H-G (2009). "Genetic association of net feed intake measured at two stages with insulin-like Growth Factor-I, growth and ultrasound scanned traits in Angus cattle." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28- October 1. pp.584-587.

Jeyaruban, M G; Johnston, D J and Graser, H-U (2007). "Development of a genetic evaluation system for structural soundness traits in Angus cattle." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.391-394.

Johnston, D J (2007). "Genetic trends in Australian beef cattle – Making real progress." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.8-15.

Johnston, D J; Barwick, S A; Burrow H M; Holroyd, R G and Fordyce, G (2006). "Female reproductive performance and its relationship with age at puberty in beef heifers of two tropically adapted genotypes in northern Australia." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 32-04.

Johnston, D J; Barwick, S A; Burrow H M; Holroyd, R G and Fordyce, G (2006). "Female reproductive performance and its relationship with age at puberty in beef heifers of two tropically adapted genotypes in northern Australia." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 32-04.

Johnston, D J; Barwick, S A; Fordyce, G and Holroyd, R G (2010). "Understanding the genetics of lactation anoestrus in Brahman beef cattle to enhance genetic evaluation of female reproductive traits." Proceedings of the 9th World Congr. Genet. Appl. Livest. Prod. Leipzig, Germany, 1-6 August. Paper [0923](#).

Johnston, D J; Barwick, S A; Holroyd, R G; Fordyce, G and Burrow, H M (2006). "Genetics of female reproduction traits." Proceedings of 'Australian Beef - the Leader' Conference, Armidale NSW, 7-8 March, pp 47-52.

Johnston, D J; Barwick, S A; Holroyd, R G; Fordyce, G and Burrow, H M (2006). "Genetics of female reproduction traits." Proceedings of 'Australian Beef - the Leader' Conference, Armidale NSW, 7-8 March, pp 47-52.

Johnston, D J; Brown, D J and Graser, H-U (2007). "The effect of age slicing interval on the variance components and data effectiveness for birth and 200day weights in Angus cattle." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.344-347.

Johnston, D J; Tier, B and Graser, H-U (2009). "Integration of DNA markers into BREEDPLAN EBVs." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28- October 1. pp.30-33.

Jones, R M and Hermesch, S (2007). "Season and parity effects on the feed intake of lactating sows in an Australian commercial piggery." Proceedings of the 11th Biennial Conference of the Australasian Pig Science Association. Brisbane, Australia, November 25-28. p.36.

Jones, R M; Hermesch, S and Crump, R E (2009). "Evaluation of pig flight time, average daily gain and backfat using random effect models including grower group." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.199-202.

Kerr, R J; Dutkowski, G W; **Li, L;** McRae, T A; Novy, R; Schneider, B and **Tier, B** (2009). "Integrated genetic analysis for potato improvement." Proceedings of 2009 14th Australasian Plant Breeding Conference (APBC) and 11th Congress of the Society for the Advancement of Breeding Research in Asia and Oceania (SABRAO) Contemporary Crop Improvement: A Tropical View. Cairns, Queensland, Australia, 10-14 August.

Khatkar, M S; **Tier, B;** Hobbs, M; Khatkar, D; Cavanagh, J A L, **Crump, R;** Moser, G and Raadsma, H W (2009). "Genome structure in Australian Holstein Friesian cattle revealed by combined analysis of three high density SNP panels." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.247-250.

Khatkar, M S; Zenger, K R; Cavanagh, J A L; Hawken, R J; Hobbs, M; Barris, W; Thomson, P C; Nicholas, F W; **Tier, B** and Raadsma, H W (2007). "Extent of linkage disequilibrium and haplotype blocks in bovine genome using high density SNP markers." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.215-218.

Khusro, M; Brown, D J; Graser, H-U and Tier, B (2007). "The effect of linkage and flock size on the accuracy of estimated genetic group effects." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.545-548.

Lewis, C R G and Bunter, K L (2009), "Longevity to the second parity requires good attention to sow health in the first." Proceedings of the 12th Biennial Conference of the Australian Pig Science Association (APSA). Cairns, Qld. 22 – 25 November 2009. p.106.

Lewis, C R G; Hermes, S and Bunter, K L (2010). "A random regression analysis of sow lactation feed intake and the effect of temperature on intake." Proceedings of the 9th World Congr. Genet. Appl. Livest. Prod. Leipzig, Germany, 1-6 August. Paper [0670](#).

Li, L. and Tier, B. (2007). "Genetic parameters of branch angle and stem straightness." Australasian Forest Genetics Conference: Breeding For Wood Quality. Hobart, Australia. April 11-14.

McClintock, S; Thomson P C; McClintock, A C; Raadsma, H W and **Tier, B** (2006). "Simulating past selection for molecular breeding program evaluation." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 01-44.

McClintock, S; Thomson P C; McClintock, A C; Raadsma, H W and **Tier, B** (2006). "Simulating past selection for molecular breeding program evaluation." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 01-44.

McKiernan, W A; Wilkins, J F; Graham, J F; Tudor, G D; Deland, M P B; McIntyre, B L; Walkley, J R W; **Barwick, S A** and Irwin, J (2006). "CRC 'Regional Combinations' Project - Regional beef systems to improve productivity and profitability." Proceedings of 'Australian Beef - the Leader' Conference, Armidale NSW, 7-8 March, pp 127-134.

McKiernan, W A; Wilkins, J F; Graham, J F; Tudor, G D; Deland, M P B; McIntyre, B L; Walkley, J R W; **Barwick, S A** and Irwin, J (2006). "CRC 'Regional Combinations' Project - Regional beef systems to improve productivity and profitability." Proceedings of 'Australian Beef - the Leader' Conference, Armidale NSW, 7-8 March, pp 127-134.

McKiernan, W A; Wilkins, J F; Irwin, J and **Barwick, S A** (2006). "Live body composition assessments as predictors of carcass retail beef yield." Proceedings of the Australian Society of Animal Production 26th Biennial Conference. Western Australia, 10 July. Short Communication No. 18.

McKiernan, W A; Wilkins, J F; Irwin, J and **Barwick, S A** (2006). "Live body composition assessments as predictors of carcass retail beef yield." Proceedings of the Australian Society of Animal Production 26th Biennial Conference. Western Australia, 10 July. Short Communication No. 18.

Mérour, I; **Hermesch, S;** Jones, R M and Tribout, T (2009). "Genetic correlations between carcass length, fat and muscle depths and primal cut weights in the French Large White Sire line." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.195-198.

Mérour, I; **Hermesch, S;** Schwob, S and Tribout, T (2009). "Effect of the halothane genotype on growth performances, carcass and meat quality traits in the Pietrain Breed of the French National Pig Breeding Program." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28- October 1. pp.191-194.

Mérour, I; Tribout, T and **Hermesch, S** (2010). "Variabilité inter races des poids des pièces de carcasse et corrélations génétiques avec les critères de qualité de la viande chez le porc." 42nd Journées de la Recherche Porcine. February 3. pp.161-166.

Meyer, K (2006). "PX x AI: algorithmics for better convergence in restricted maximum likelihood estimation" Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 24-15.

Meyer, K (2006). "PX x AI: algorithmics for better convergence in restricted maximum likelihood estimation" Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 24-15.

Meyer, K (2006). "To have your steak and eat it: genetic principal component analysis for beef cattle data." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 25-03.

Meyer, K (2006). "To have your steak and eat it: genetic principal component analysis for beef cattle data." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 25-03.

Meyer, K (2006). "Wombat - digging deep for quantitative genetic analysis by REML." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 27-14.

Meyer, K (2006). "Wombat - digging deep for quantitative genetic analysis by REML." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 27-14.

Meyer, K (2007). "Covariance structures for quantitative genetic analyses." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.142-149.

Meyer, K (2007). "Performance of REML algorithms in multivariate analyses fitting reduced rank and factor-analytic models." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.280- 283.

Meyer, K (2007). "Scope for estimation of variances due to sex-linked, maternal and dominance effects in mixed model analyses." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.407- 410.

Meyer, K (2009). "Factor-analytic models to reduce computational requirements in international genetic evaluation of beef cattle." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.442-445.

Meyer, K (2009). "Survival analyses for length of productive life of beef cows." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.608-611.

Meyer, K and Kirkpatrick, M (2007). "A note on bias in reduced rank estimates of covariance matrices." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.154-157.

Meyer, K and Kirkpatrick, M (2009). "Cheverud revisited: Scope for joint modelling of genetic and environmental covariance matrices." Proceedings of the 18th Conference of the Association for the

Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.438-441.

Meyer, K and Kirkpatrick, M (2010). "Bending over backwards: better estimates of genetic covariance matrices by penalized REML." Proceedings of the 9th World Congr. Genet. Appl. Livest. Prod. Leipzig, Germany, 1-6 August. Paper [0061](#).

Moore, K L; Gibson, J and **Johnston, D J** (2009). "The effect of linkage disequilibrium on the estimates of Single Nucleotide Polymorphic effects." Proceedings of the British Society of Animal Science. Southport, UK. March 30 – 1 April 2009. p044

Moser, G; **Crump, R E**; **Tier, B**; Sölkner, J; Zenger, K R; Khatkar, M S; Cavanagh, J A L and Raadsma, H W (2007). "Genome based genetic evaluation and genome wide selection using supervised dimension reduction based on partial least squares." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.227-230.

Nakavisut, S; **Crump, R E** and **Graser, H-U** (2006). "Body length and its genetic relationships with production and reproduction traits in pigs." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 06-45.

Nakavisut, S; **Crump, R E** and **Graser, H-U** (2006). "Body length and its genetic relationships with production and reproduction traits in pigs." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 06-45.

Nicol, D C and **Upton W H** (2007). "Breedleader™ – advanced breeding and genetics short course for beef seedstock producers." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.175-178.

Piper, E; Chen, Y; **Zhang, Y**; **Tier, B**; **Graser, H-U**; Luxford, B G and Moran, C (2007). "Single nucleotide polymorphisms in suppressor of cytokine signalling-2 gene and association with feed conversion ratio and growth in pigs." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.53-56.

Piper, L R; **Swan, A A** and Brewer, H G (2007). "Is increased fleece weight associated with reduced reproduction rate? Results from long term multi-trait selection flocks." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.103-106.

Piper, L R; **Swan, A A** and Brewer, H G (2009). "Effects on lifetime reproductive performance of phenotypic selection for fleece weight, fibre diameter, body weight and related selection indexes." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.374-377.

Prayaga, K C; Mariasegaram, M; Harrison, B; **Tier, B**; Henshall, J M and Barendse, W (2009). "Genetic markers for polled condition in cattle – the current status and the future plans." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.92-95.

Raadsma, H W; Khatkar, M S; Moser, G; Hobbs, M; **Crump, R**; Cavanagh, J A L and **Tier, B** (2009). "Genome wide association studies in dairy cattle using high density SNP scans." Proceedings of the

18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.151-154.

Raadsma, H W; Zenger, K R; Khatkar, M S; **Crump R E**; Moser, G; Sölkner, J; Cavanagh, J A L; Hawken, R J; Hobbs, M; Barris, W; Nicholas, F W and **Tier, B** (2007). "Genome wide selection in dairy cattle based on high-density genome-wide SNP analysis: from discovery to application." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.231-234.

Sapa, J; **Donoghue, K A** and Phocas, F (2006). "Genetic parameters between sexes for temperament traits in Limousin cattle." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 17-09.

Sapa, J; **Donoghue, K A** and Phocas, F (2006). "Genetic parameters between sexes for temperament traits in Limousin cattle." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 17-09.

Suárez, M; Hermes, S and Braun, J A (2006). "The relationship between reproductive performance of crossbred sows and the EBVs of their purebred dams." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 06-25.

Suárez, M; Hermes, S and Braun, J A (2006). "The relationship between reproductive performance of crossbred sows and the EBVs of their purebred dams." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 06-25.

Swan, A A (2008). "The economics of litter size in meat sheep." The Helen Newton Turner Memorial International Workshop on Using the Booroola (FecB) gene in sheep breeding programs, 10-12 November 2008, Pune, India. 158 (Invited).

Swan, A A and **Brown, D J** (2007). "A simple bootstrapping procedure to validate the MERINOSELECT model for weaning weight." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.395-398.

Swan, A A; Brown, D J and Banks, R G (2009). "Genetic progress in the Australian Sheep Industry." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.326-329.

Swan, A A; van der Werf, J and Atkins, K D (2007). "Developments in breeding objectives for the Australian sheep industry." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.483- 490.

Tabuaciri, P; Bunter, K L and Graser, H-U (2010). "Dam attributes and postnatal piglet survival." Proceedings of the 9th World Congr. Genet. Appl. Livest. Prod. Leipzig, Germany, 1-6 August. Paper [0684](#).

Tier, B (2006). "Haplotyping for linkage disequilibrium mapping." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 21-01.

Tier, B (2006). "Haplotyping for linkage disequilibrium mapping." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 21-01.

Tier, B; Crump, R E; Moser, G; Sölkner, J; Thomson, P C; **Woolaston, A F** and Raadsma, H W (2007). "Genome wide selection: issues and implications." Proceedings of the 17th Conference of the

Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.308-311.

Tyrisevä, A-M; **Meyer, K**; Fikse, W F; Ducrocq, V; Jakobsen, J; Lidauer, M H and Mäntysaari, E A (2010). "Principal component and factor analytic models in international sire evaluation." Proceedings of the 9th World Congress on Genetics Applied to Livestock Production. Leipzig, Germany, 1-6 August. Paper [0718](#).

Tyrisevä, A-M; **Meyer, K**; Jakobsen, J; Ducrocq, V; Fikse, F; Lidauer, M H and Mäntysaari, E A (2009). "Comparison of different variance component estimation approaches for MACE: direct and bottom-up PC". Proceedings of Interbull Meeting Barcelona, Spain August 21-29, *Interbull Bulletin* 40:72-76.

Upton, W H; Nicol, D C and Freer, R E (2007). "Overcoming barriers to adoption of genetic technologies in the beef industry." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.158- 166.

Whelan, M B; Cottle, D J; Geenty, K G and **Brown, D J** (2009). "Classifying sheep grazing environments using satellite data to quantify genotype by environment interactions." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.52-55.

Wolcott, M L and Johnston, D J (2009). "The impact of genetic markers for tenderness on steer carcass and feedlot exit and heifer puberty traits in Brahman cattle." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.159-162.

Wolcott, M L; Johnston, D J; Barwick, S A and Burrow, H M (2006). "Genetic correlations of steer growth, fatness and IGF-1 with feed intake and efficiency in two tropically adapted genotypes." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil. P. 14-05.

Wolcott, M L; Johnston, D J; Barwick, S A and Burrow, H M (2006). "Genetic correlations of steer growth, fatness and IGF-1 with feed intake and efficiency in two tropically adapted genotypes." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil. P. 14-05.

Wolcott, M L; Johnston, D J; Barwick, S A and Thompson, J M (2007). "Genetics of meat quality traits in two tropically adapted genotypes of beef cattle 1. Genetic parameters and correlations." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.356-359.

Woolaston, A F; Murison, R and **Tier, B** (2006). "A simulation study of spatial effects in microarray slides." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 23-05.

Woolaston, A F; Murison, R and **Tier, B** (2006). "A simulation study of spatial effects in microarray slides." Proceedings of the 8th World Congr. Genet. Appl. Livest. Prod. Belo Horizonte, Brazil, 13-18 August. P. 23-05.

Woolaston, R R; **Brown D J**; Atkins, K D; Casey, A E and Ball, A J (2006). "Genetic changes in the Australian Merino since 1990." Agribusiness Sheep Updates 2006, Perth, Australia, West Australian Government - Department of Agriculture and Food. Ed. Sue-Ellen Shaw.

Woolaston, R R; **Brown D J**; Atkins, K D; Casey, A E and Ball, A J (2006). "Genetic changes in the Australian Merino since 1990." Agribusiness Sheep Updates 2006, Perth, Australia, West Australian Government - Department of Agriculture and Food. Ed. Sue-Ellen Shaw.

Worsnop, C D; Johnston, D J and Graser, H-U (2007). "Accounting for selective slaughter over time when estimating breeding values for carcase traits – a simulation study." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.364-367.

Young, M J; Newman, S-A N; Apps, R and **Brown, D J** (2009). "Trans-Tasman genetic evaluations of sheep – spreading the net wider." Proceedings of the New Zealand Society of Animal Production. Barossa Valley, New Zealand. June. pp.158-161.

Young, M J; Newman, S-A N; Apps, R; Ball, A J and **Brown, D J** (2009). "Trans-Tasman genetic evaluations of sheep." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28- October 1. pp.212-215.

Zenger, K R; Khatkar, M S; **Tier, B**; Hobbs, M; Cavanagh, J A L; Sölkner, J; Hawken, R J; Barris, W and Raadsma, H W (2007). "QC analyses of SNP array data: experiences from a large population of dairy sires with 23.8 million data points." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.123-126.

Zhang, Y D and Tier, B (2009). "Population stratification, not genotype error, causes some SNPs to depart from Hardy-Weinberg Equilibrium." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.243-246.

Zhang, Y D and Tier, B (2009). "QTL mapping in multiple families using logistic regression." Proceedings of the 18th Conference of the Association for the Advancement of Animal Breeding and Genetics. Barossa Valley, South Australia. September 28-October 1. pp.664-667.

Zhang, Y; Tier, B and Hawken R (2007). "Fine mapping QTL with haplotypes determined from dense single nucleotide polymorphic markers." Proceedings of the 17th Conference of the Association for the Advancement of Animal Breeding and Genetics. Armidale, Australia. September 24-26. pp.119-122.

Zhang, Y; Tier, B and Hawken, R J (2010). "Whole genome analysis of heifer puberty in Brahman cattle." Proceedings of the 9th World Congress on Genetics Applied to Livestock Production. Leipzig, Germany, 1-6 August. Paper [0761](#).