

Genomic Selection – Dairy Cattle Publications 2011

Peer reviewed publications:

1. A common reference population from four European Holstein populations increases reliability of genomic predictions. Lund, Mogens Sandø ; de Ross, Sander PW ; de Vries, Alfred G ; Druet, Tom ; Ducrocq, Vincent ; Fritz, Sebastian ; Guillaume, Francois ; Guldbbrandtsen, Bernt ; Liu, Zenting ; Reents, Reinhard ; Schrooten, Chris ; Seefried, Franz ; Guosheng, Su. *Genetics Selection Evolution*, 43, 1-28.
2. Allele coding in genomic evaluation. Standen, Ismo ; Christensen, Ole Fredslund. I: *Genetics Selection Evolution*, 43.
3. Effect of imputing markers from a low-density chip on the reliability of genomic breeding values in Holstein populations. Dassonneville, R ; Brøndum, Rasmus Froberg ; Druet, T ; Fritz, S ; Guillaume, F ; Guldbbrandtsen, Bernt ; Lund, Mogens Sandø ; Ducrocq, V ; Guosheng, Su. *Journal of Dairy Science*, 94 (7), 3679-3686.
4. Genome-wide association study for calving traits in Danish and Swedish Holstein cattle. Sahana, Goutam ; Guldbbrandtsen, Bernt ; Lund, Mogens Sandø. *Journal of Dairy Science*, 94 (1), 479-486.
5. Genomic selection strategies in breeding programs: Strong positive interaction between application of genotypic information and intensive use of young bulls on genetic gain. Buch, Line Hjortø ; Sørensen, Morten Kargo ; Berg, Peer ; Pedersen, Louise Dybdahl ; Sørensen, Anders Christian. *Journal of Animal Breeding and Genetics*, First online 18.07.2011.
6. Genomic selection strategies in dairy cattle breeding programmes: Sexed semen cannot replace multiple ovulation and embryo transfer as superior reproductive technology. Pedersen, Louise Dybdahl ; Kargo, Morten ; Berg, Peer ; Voergaard, Jacob ; Buch, Line Hjortø ; Sørensen, Anders Christian. I: *Journal of Animal Breeding and Genetics*, First online 22.09.2011.
7. Global assessment of genomic variation in cattle by genome resequencing and high-throughput genotyping. Zhan, Bujie ; Fadista, João ; Thomsen, Bo ; Hedegaard, Jakob ; Panitz, Frank ; Bendixen, Christian. *B M C Genomics*, 12 (557).
8. Mapping of fertility traits in Finnish Ayrshire by genome-wide association analysis. Schulmann, Nina F ; Sahana, Goutam ; Iso-Touru, T ; McKay, S D ; Schnabel, R D ; Lund, Mogens Sandø ; Taylor, J F ; Virta, J ; Vilkki, J H. *Animal Genetics*, 42 (3), 263-269.
9. Reliabilities of genomic estimated breeding values in Danish Jersey. / Thomasen, Jørn Rind ; Guldbbrandtsen, Bernt ; Guosheng, Su ; Brøndum, Rasmus Froberg ; Lund, Mogens Sandø. *Animal*, First online 11.11.2011.

Conference contributions:

1. Analysis of subpopulation structure in Danish Jersey. Thomasen, J. R.; Sørensen, A. C.; Brøndum, R. F.; Lund, M. S; Guldbbrandtsen, B. In: *Book of Abstract of the 62nd Annual Meeting of the European Federation of Animal Science*. Wageningen Academic Publishers, 17, 27.
2. Confirmation of quantitative trait loci for clinical mastitis in dairy cattle on chromosomes 2, 6, and 20. Schulman, Nina F ; Sahana, Goutam ; Lund, Mogens Sandø ; Lidauer, M ; Vilkki, J H. 2011. Abstract from *Physiology and Genomics of Mastitis*, Tutzingen, Tyskland.
3. Contribution of different sources of information to reliability of genomic prediction for Danish Jersey population. Guosheng, Su ; Gao, Hongding ; Lund, Mogens Sandø. In: *Book of Abstract of the 62nd Annual Meeting of the European Federation of Animal Science*. Wageningen Academic Publishers, 17, 32-32.

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4. Exploring trend of bias to prediction of genomic breeding values using Bayesian variable selection in the populations undergoing selection. Ehsani, Ali Reza ; Janss, Luc ; Christensen, Ole Fredslund. In: Book of Abstract of the 62nd Annual Meeting of the European Federation of Animal Science. Wageningen Academic Publishers, 17, 416-416.
5. Genomic prediction in Nordic Holstein population using one-step approach. Gao, Hongding ; Christensen, Ole Fredslund ; Madsen, Per ; Nielsen, Ulrich ; Lund, Mogens ; Guosheng, Su. In: Book of Abstract of the 62nd Annual Meeting of the European Federation of Animal Science. Wageningen Academic Publishers, 17, 28-28.
6. Genomic prediction using high-density SNP markers in Nordic Holstein and Red. Guosheng, Su ; Brøndum, Rasmus Froberg ; Ma, Peipei ; Guldbrandtsen, Bernt ; Pedersen, Gert ; Lund, Mogens Sandø. In: Presentations & Papers from the 2011 Interbull Open Meeting. 2011.
7. Genomic predictions based on a joint reference population for Scandinavian red breeds. Heringstad B., Su G., Solberg T.R., Guldbrandtsen B., Svendsen M., Lund M. S. In: Book of Abstract of the 62nd Annual Meeting of the European Federation of Animal Science. Wageningen Academic Publishers, 17, 29.
8. Impact of imputing markers from a low density chip on the reliability of genomic breeding values in Holstein populations. Dassoneville R., Brøndum R. F., Druet T., Fritz S., Guillaume F., Guldbrandtsen B., Lund M. S., Ducrocq V., Su. G. In: Book of Abstract of the 62nd Annual Meeting of the European Federation of Animal Science. Wageningen Academic Publishers, 17, 28.
9. Influence of marker editing criteria on accuracy of genomic prediction. Edriss, Vahid ; Guldbrandtsen, Bernt ; Lund, Mogens Sandø ; Guosheng, Su. In: Book of Abstract of the 62nd Annual Meeting of the European Federation of Animal Science. Wageningen Academic Publishers, 17, 24.
10. Mapping of calving traits in dairy cattle using a genealogy-based mixed model approach. Sahana, Goutam ; Guldbrandtsen, Bernt ; Lund, Mogens Sandø. In: Book of Abstract of the 62nd Annual Meeting of the European Federation of Animal Science. Wageningen Academic Publishers, 17, 175.
11. Mapping of fertility traits in the combined Nordic red dairy cattle population by genome-wide association. Schulman, N F ; Sahana, Goutam ; Iso-Touru, T ; Tiirikka, T ; Lund, Mogens Sandø ; Vilkki, J H. In: Book of Abstract of the 62nd Annual Meeting of the European Federation of Animal Science. Wageningen Academic Publishers, 17, 118.
12. QTL for female fertility traits in the Nordic Holstein cattle using genome-wide association mapping. / Höglund, Johanna Karolina ; Sahana, Goutam ; Guldbrandtsen, Bernt ; Lund, Mogens Sandø. In: Book of Abstract of the 62nd Annual Meeting of the European Federation of Animal Science. Wageningen Academic Publishers, 17, 120.