

## **Peer-Reviewed Publications (2013 – 2017)**

1. Abasht, B., M.F. Mutryn, R.D. Michalek, and W.R. Lee. 2016. Oxidative Stress and Metabolic Perturbations in Wooden Breast Disorder in Chickens. *PLoS One*, 11(4), p.e0153750.
2. Abdalla, E. A., Peñagaricano, F., Byrem, T. M., Weigel, K. A. and Rosa, G. J. M. 2016. Genome-wide association mapping and pathway analysis of leukosis incidence in a US Holstein cattle population. *Animal Genetics* 47, 395-407.
3. Abdalla, E. A., Weigel, K. A., Byrem, T. M. and Rosa, G. J. M. 2016. Genetic correlation of bovine leukosis incidence with somatic cell score and milk yield in a US Holstein population. *Journal of Dairy Science* 99: 2005-2009.
4. Abdollahi- Arpanahi, R., Morota, G., Valente, B. D., Kranis, A., Rosa, G. J. M. and Gianola, D. Assessment of bagging GBLUP for whole- genome prediction of broiler chicken traits. *Journal of Animal Breeding and Genetics* 132(3): 218- 228, 2015.
5. Abdollahi- Arpanahi, R., Morota, G., Valente, B.D., Kranis, A., Rosa, G.J.M. and Gianola, D. 2016. Differential contribution of genomic regions to marked genetic variation and prediction of quantitative traits in broiler chickens. *Genetics Selection Evolution* 48:10.
6. Abdollahi-Arpanahi, R., Pakdel, A., Nejati-Javaremi, A., Moradi Shahrababak, M., Morota, G., Valente, B. D., Kranis, A., Rosa, G. J. M. and Gianola, D. Dissection of additive genetic variability for quantitative traits in chickens using SNP markers. *Journal of Animal Breeding and Genetics* 131: 183-193, 2014.
7. Abdollahi-Arpanahi, R., Pakdel, A., Nejati-Javaremi, A., Moradi Shahrababak, M., Morota, G., Valente, B. D., Kranis, A., Rosa, G. J. M. and Gianola, D. Effect of allele frequencies, effect sizes and number of markers on prediction of quantitative traits in chickens. *Journal of Animal Breeding and Genetics* 131: 123-133, 2014.
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9. Aggrey, S. E., J. Lee, A.B. Karnuah, and R. Rekaya, 2014. Transcriptomic analysis of genes in the nitrogen recycling pathway of meat-type chickens divergently selected for feed efficiency. *Animal Genetics* 45: 215-222.
10. Ahanda ML, Zerjal T, Dhorne- Pollet S, Rau A, Cooksey A, Giuffra E. Impact of the genetic background on the composition of the chicken plasma MiRNome in response to a stress. *PLoS One*. 9(12):e114598.
11. Alemu, S.W., Calus, M.P.L., Muir, W.M., Peeters, K., Vereijken, A., and Bijma, P. 2016. Genomic prediction of survival time in a population of brown laying hens showing cannibalistic behavior GSE
12. Al-Rubaye, A. A. K., Ekesi, N. S., Zaki, S., Emami, N. K., Wideman, R. F. and Rhoads, D. D. 2017. Chondronecrosis with osteomyelitis in broilers: Further defining a bacterial challenge model using the wire flooring model. *Poultry Science* 96:332-340.
13. Al- Rubaye AAK, Couger MB, Ojha S, Pummill JF, Koon II JA, Wideman RF, Rhoads DD. Genome analysis of *Staphylococcus agnetis*, an agent of lameness in broiler chickens. *PLoS One* 2015. 10(11): e0143336.

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23. Bijma P, Muir WM, Ellen E. 2014. Response to Commentary on "Examples of overlooking common sense solutions: the domestication gene and selection against mortality" *Front. Genet.* 2014; doi: 10.3389/fgene.2014.00343
24. Bornelov, S., Seroussi, E., Yosefi, S., Pendavis, K., Burgess, S. C., Grabherr, M., Friedman-Einat, M. and Andersson, L. 2017. Correspondence on Lovell et al.: identification of chicken genes previously assumed to be evolutionarily lost. *Genome Biology* 18:4.
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