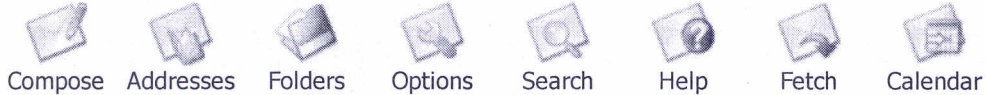
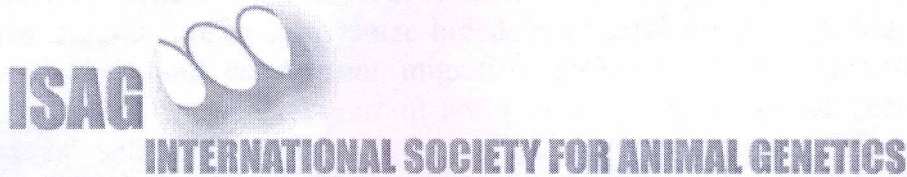


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Subject: Reimbursement Form for 2014 ISAG Travel Bursary Award
From: "ISAG" <jeremyh@assoqh.org>
Date: Tue, June 10, 2014 18:30
To: "Mr. Mohammad Bagher Zandi B.M." <bzandi@ut.ac.ir>
Priority: Normal
Create Filter: Automatically | From | To | Subject
Options: View Full Header | View Printable Version | View Message details



Dear Mr. Mohammad Bagher Zandi B.M.

Last week you should have received notification that you were selected for a 2014 ISAG Travel Bursary Award.

Attached to this email you will find a travel bursary reimbursement form. Please complete this form and bring it with you to the ISAG meeting in Xi'an, China. During the conference in Xi'an an announcement will be made on when and to turn in these forms.

The total amount to be awarded per bursary in your case is EUR 1000. Please note that this will not, nor is it intended to, meet all of your costs.

You are invited to attend the opening ceremony where an announcement will be made regarding the travel bursaries. Dr. Hein van Haeringen, ISAG Treasurer, will issue a payment to you by bank transfer or check and present you with a certificate at the conclusion of the conference.

I am looking forward to meeting you in Xi'an!

Hein van Haeringen
Treasurer ISAG/IFAG
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3903EE Veenendaal - the Netherlands
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Travel_bursary_reimbursement_form.pdf **177 k** [application/pdf] Download

Abstract Title:

Detecting selective sweeps using Equine 70k SNP array in two native Iranian horse breeds

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*-Department of Animal Science, Faculty of agriculture the university of Tehran - IRAN

Abstract:

Historical and archeological evidences trace some Iranian horse breeds back to about five thousand years ago. Horse breeds are useful in investigating the origin of domestication and consequent migration pathways. Detecting the genomic regions is one of the most important areas of research in animal genetics since locations of selection signatures are often correlated with QTLs affecting economically important traits. Here we attempt to identify regions of horse genome that have been subjected to selective sweep. Theta and F_{ST} analytical methods were used to detect selection signals and genome wide association analysis was used to verifying the selective sweep results. We performed the theta (θ) and F_{ST} analytical methods on 26 Turkmen horse and 22 Caspian horses using Equine70K SNPs. Study of selection sweep signatures in Turkmen and Caspian breeds sampled confirmed three of these regions located on Chromosomes 6, 8 and 3. The present studies indicated that there are at least 7 genomic regions that underwent a selection sweep in the body size in horse. Population differentiation using F_{ST} and Theta statistics in Iranian breeds revealed seven genomic regions with the most genetic differentiation between these breeds. Almost all of these regions overlapped with QTLs that had previously been identified as affecting body size traits in Human and horse. The selection signature results of these 7 SNP have been verified by GWAS so GWAS confirmed the results of selection signature.

Keyword: Iranian horse breeds, GWAS, selective sweeps