

Manuscript ID AJAS-20-0150
Subject Completion of manuscript submission to AJAS
Send Type Manuscripts Revision
Receipt Date 11-Mar-2020

Completion of manuscript submission to AJAS

Manuscript ID : AJAS-20-0150
Date Submitted : March 11, 2020
Title : Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle
Corresponding Author : Asep Setiaji

Dear Dr. Asep Setiaji:

Thank you for submitting your manuscript to *Asian-Australasian Journal of Animal Sciences*.

Your manuscript titled "Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle" has been received by the Editorial Office of *Asian-Australasian Journal of Animal Sciences*. Your manuscript I.D. is AJAS-20-0150. Please refer to this number in future communications.

Your manuscript will be evaluated by reviewers and editors. The Editorial Office will inform you of the review outcome as soon as possible.

Please understand that at least 4 weeks are required for the first evaluation of most manuscripts submitted to *Asian-Australasian Journal of Animal Sciences*.

You may check on the progress of your paper by logging on to the Asian-Australasian Journal of Animal Sciences website (<http://submit.ajas.info/>) as an author.

Sincerely,

Prof. Dr. Jong K. Ha
Editor-in-Chief

Asian-Australasian Journal of Animal Sciences Editorial Office
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Manuscript ID AJAS-20-0150

Subject Manuscript ID [AJAS-20-0150] Letter of decision 1st - Major revision

Send Type Manuscripts Revision

Receipt Date 15-May-2020

[Asian-Australasian Journal of Animal Sciences] Review result : 1st

Date sent :	May 15, 2020
Date Decisioned :	May 15, 2020
Manuscript ID :	AJAS-20-0150
Title :	Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle
Corresponding Author :	Asep Setiaji
Review result :	Major revision (Revision Period : ~ 2020-6-12)
Comments to Authors (Editorial Office) :	

Dear Author

Based on editorial evaluation on your manuscript we feel your manuscript requires major revision(see reviewer(s) comments). Such revisions must be made if you wish to resubmit your manuscript for consideration for publication.

Please review all comments raised by the reviewers and respond to them point-by-point.

Your list of responses should be uploaded as a file in addition to your revised manuscript(track changes version) which show any change you made online at <http://submit.ajas.info> and follow the instructions at the Author Center.

Because we are trying to facilitate timely publication of manuscripts submitted to *Asian-Australasian Journal of Animal Sciences*, your revised manuscript should be uploaded as soon as possible. If it is not possible for you to submit your revision in a reasonable amount of time, we may have to consider your paper as a new submission.

Once again, thank you for submitting your manuscript to *Asian-Australasian Journal of Animal Sciences* and we look forward to receiving your revision.

Sincerely,

Prof. Dr. Jong K. Ha
Editor-in-Chief

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Reviewer's comments

#1 reviewer :

This study was conducted to compare two models for estimating genetic parameters of non-return rate (NRR) and success of first insemination (SFI) in Japanese Black cattle and this could be good guide for this kind of research in the future and to provide for more information to reference for breeding programs.

The manuscript requires revision specially regarding the written English and I recommend the authors seek professional scientific writing editorial service for the manuscript.

I have some concerns and other minor and detailed questions as outlined below:

- 1, line 75 page 4: The objective of this study described here was not consistent with the description in the abstract.
- 2, line 176 page 10: I am confused about the meaning of this statement.

#2 reviewer :

In this study, authors estimated heritability of NRR and SFI in Japanese Black cattle using Gibbs sampling methods. The results indicated that h^2 of NRR and SFI were less than 0.04, and the threshold model was more relevant to estimating genetics parameters due to a narrower CI of h^2 and a lower DIC. Those results maybe provide essential information for future breeding and selection programmer for Japanese Black cattle. However, there are some faults in this study.

1. NRR and SFI are binary traits. Theoretically, the threshold model is more relevant than the linear model to estimating genetic parameters of such traits. In this study, why did the authors still estimated h^2 using the linear model?
2. In this study, the authors only estimated heritability of NRR and SFI trait. So, they should also genetic correlation between NRR and SFI trait.
3. The authors should make a hypothesis test on the h^2 and genetics correlation.
4. In table2, please show exact P value not $<.0001$
5. Line 122, how many burn in periods using Gibbs sampling.
6. What the quality control filter criteria used for data set in this study in Line88.

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Manuscript ID AJAS-20-0150

Subject [1st Revision completed] AJAS-20-0150 was revised and submitted

Send Type Manuscripts Revision

Receipt Date 08-Jun-2020

[AJAS] 1st Revision completed.

Manuscript ID :	AJAS-20-0150
Revision Date :	08-Jun-2020 15:14
Type of Manuscript :	Article
Title :	Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle
Corresponding Author :	Asep Setiaji
Author's comment :	Author's Comment Thank you very much for your suggestion. We have revised the manuscript according to reviewer comments. In the revised manuscript, heritability estimated only using threshold model. Estimated genetic correlation of NRR and SFI have been showed in table 5.

Sincerely,

Prof. Dr. Jong K. Ha
Editor-in-Chief

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Manuscript ID AJAS-20-0150

Subject Manuscript ID [AJAS-20-0150] Letter of decision 2nd - Minor revision

Send Type Manuscripts Revision

Receipt Date 21-Jun-2020

[Asian-Australasian Journal of Animal Sciences] Review result : 2nd

Date sent :	June 21, 2020
Date Decisioned :	June 21, 2020
Manuscript ID :	AJAS-20-0150
Title :	Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle
Corresponding Author :	Asep Setiaji
Review result :	Minor revision (Revision Period : ~ 2020-7-19)
Comments to Authors (Editorial Office) :	The revision is improved, while the explanation for the Gibbs sampling need clarify, as the reviewer pointed out, you should give the times of burn in when you did Gibbs sampling, the revision is not correct, please rewrite L121-122.

Dear Author

We received the reports from the reviewers on your manuscript which you submitted to *Asian-Australasian Journal of Animal Sciences*.

Based on the reviewers' evaluation, we feel your manuscript could be acceptable for the publication in *Asian-Australasian Journal of Animal Sciences* if you can successfully revise it as suggested by the reviewers. You can find reviewers' comments at the end of this letter. When preparing your revised manuscript, please read the reviewers' comments carefully and prepare a **list of responses** to the comments. Your list of responses should be uploaded as a file in addition to **your revised manuscript** (track changes version) which show any change you made online at <http://submit.ajas.info> and follow the instructions at the Author Center.

Thank you for your worthy contribution to *Asian-Australasian Journal of Animal Sciences*.

Sincerely,

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Reviewer's comments

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Manuscript ID AJAS-20-0150

Subject [2nd Revision completed] AJAS-20-0150 was revised and submitted

Send Type Manuscripts Revision

Receipt Date 30-Jun-2020

[AJAS] 2nd Revision completed.

Manuscript ID : AJAS-20-0150

Revision Date : 30-Jun-2020 13:28

Type of Manuscript : Article

Title : Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle

Corresponding Author : Asep Setiaji

Author's comment : Thank you very much for your suggestion.
We have revised the manuscript according to reviewer comments.
The explanation for the Gibbs sampling has been revised in line 121-122.

Sincerely,

Prof. Dr. Jong K. Ha
Editor-in-Chief

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Manuscript ID AJAS-20-0150
Subject Manuscript ID [AJAS-20-0150] Letter of decision 3rd - Minor revision
Send Type Manuscripts Revision
Receipt Date 16-Jul-2020

[Asian-Australasian Journal of Animal Sciences] Review result : 3rd

Date sent :	July 16, 2020
Date Decisioned :	July 16, 2020
Manuscript ID :	AJAS-20-0150
Title :	Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle
Corresponding Author :	Asep Setiaji
Review result :	Minor revision (Revision Period : ~ 2020-8-13)
Comments to Authors (Editorial Office) :	The revision is still unsatisfying with respect to the content of the Gibbs sampling, after burn in, you have 900000 iterations left, and you could not get 4000 samples as you did. please ask a professional help about this point.

Dear Author

We received the reports from the reviewers on your manuscript which you submitted to *Asian-Australasian Journal of Animal Sciences*.

Based on the reviewers' evaluation, we feel your manuscript could be acceptable for the publication in *Asian-Australasian Journal of Animal Sciences* if you can successfully revise it as suggested by the reviewers. You can find reviewers' comments at the end of this letter. When preparing your revised manuscript, please read the reviewers' comments carefully and prepare a **list of responses** to the comments. Your list of responses should be uploaded as a file in addition to **your revised manuscript**(track changes version) which show any change you made online at <http://submit.ajas.info> and follow the instructions at the Author Center.

Thank you for your worthy contribution to *Asian-Australasian Journal of Animal Sciences*.

Sincerely,

Prof. Dr. Jong K. Ha
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Reviewer's comments

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Manuscript ID **AJAS-20-0150**

Subject [3rd Revision completed] AJAS-20-0150 was revised and submitted

Send Type Manuscripts Revision

Receipt Date 06-Aug-2020

[AJAS] 3rd Revision completed.

Manuscript ID :	AJAS-20-0150
Revision Date :	06-Aug-2020 16:30
Type of Manuscript :	Article
Title :	Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle
Corresponding Author :	Asep Setiaji
Author's comment :	We modified the manuscript to respond to the reviewer's comment. The reviewer seems to indicate mismatch of the iteration, 900,000 (1,000,000 iterations - 100,000 burn-in period) and 1,000,000 (4000 samples times 250 interval). So We modified the manuscript in order to resolve the mismatch.

Sincerely,

Prof. Dr. Jong K. Ha
Editor-in-Chief

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Manuscript ID AJAS-20-0150

Subject Manuscript ID [AJAS-20-0150] Letter of decision 4th - Accept

Send Type Manuscripts Revision

Receipt Date 14-Aug-2020

[Asian-Australasian Journal of Animal Sciences] Review result : 4th

Date sent :	August 14, 2020
Date Decisioned :	August 14, 2020
Manuscript ID :	AJAS-20-0150
Title :	Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle
Corresponding Author :	Asep Setiaji
Review result :	Accept
Comments to Authors (Editorial Office) :	<p>Congratulations!</p> <p>Your manuscript is now in an acceptable form and will be forwarded to editorial step.</p> <p>Please understand that it will take sometime until actual publication due to backlog manuscripts waiting for publication.</p> <p>Thank you for your contribution.</p>

Dear Author

Congratulations!

With pleasure, we would like to inform you that your manuscript titled above has been accepted for publication in *Asian-Australasian Journal of Animal Sciences*.

Your manuscript will be checked by English and/or bibliographic experts and will be delivered to you if there are any further changes necessary. In that case, please indicate modified parts with color and return the final version through the online submission system as soon as possible.

Thank you for your worthy contribution to *Asian-Australasian Journal of Animal Sciences*.

We look forward to having your continued contributions to the journal.

Sincerely,

Prof. Dr. Jong K. Ha
Editor-in-Chief

Asian-Australasian Journal of Animal Sciences Editorial Office
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Reviewer's comments

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Asep Setiaji <asepsetiaji93@gmail.com>

Proof request : AJAS-20-0150 1st

1 pesan

Anim Biosci <animbiosci@gmail.com>
Kepada: Asep Setiaji <asepsetiaji93@gmail.com>

10 April 2021 05.58



ONLINE MANUSCRIPT SUBMISSION

[Animal Bioscience] Proof Request 1st

Manuscript ID : AJAS-20-0150**Date Submitted :** 2021/04/10 07:58**Title :** Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle**Corresponding Author :** Asep Setiaji

Dear Dr. Asep Setiaji:

Please visit author site (submit.ajas.info) and check "Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle" the progress of your manuscript status (proof-reading).

Please read the comment box carefully.

All process has to be done via on-line system.

Sincerely,

Ms. K. S. Pyun
Manuscript Editor of AJAS

Animal Bioscience Editorial Office
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Gwanak-gu, Seoul 08776, Korea

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Asep Setiaji <asepsetiaji93@gmail.com>

Proof request : AJAS-20-0150 2nd

2 pesan

Anim Biosci <animbiosci@gmail.com>
Kepada: Asep Setiaji <asepsetiaji93@gmail.com>

16 April 2021 12.59



ONLINE MANUSCRIPT SUBMISSION

[Animal Bioscience] Proof Request 2nd

Manuscript ID : AJAS-20-0150**Date Submitted :** 2021/04/16 14:59**Title :** Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle**Corresponding Author :** Asep Setiaji

Dear Dr. Asep Setiaji:

Please visit author site (submit.ajas.info) and check "Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle" the progress of your manuscript status (proof-reading).

Please read the comment box carefully.

All process has to be done via on-line system.

Sincerely,

Ms. K. S. Pyun
Manuscript Editor of AJAS

Animal Bioscience Editorial Office
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Asep Setiaji <asepsetiaji93@gmail.com>
Kepada: Anim Biosci <animbiosci@gmail.com>

19 April 2021 17.08

Dear

Dr. K. S. Pyun

We have received and agreed with the second proof-reading (AJAS-20-0150).
Please process the payment step

Thank you for your cooperation.

Sincerely yours

Asep setiaji

[Kutipan teks disembunyikan]



Asep Setiaji <asepsetiaji93@gmail.com>

Page Charge request : AJAS-20-0150

1 pesan

Anim Biosci <animbiosci@gmail.com>

20 April 2021 11.08

Kepada: "asepsetiaji93@gmail.com" <asepsetiaji93@gmail.com>



ONLINE MANUSCRIPT SUBMISSION

Page Charge

Sender :	Animal Bioscience
Recipient :	Asep Setiaji
Date Submitted :	2021/04/20 13:08
Manuscript ID :	AJAS-20-0150
Title :	Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle
Pages :	5
Comment to Authors:	

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Dr. Takuro Oikawa

United Graduate School of Agricultural Sciences,
Kagoshima University, 1-21-24 Korimoto,
Kagoshima 890-0065, Japan

E-mail: tkroikawa@gmail.com

[CC: **Dr. Asep Setiaji**]

E-mail: asepsetiaji93@gmail.com

RECEIPT

April 21, 2021

Amount : US\$ 175 (Paypal Transaction ID: 54E58458HL885362H)

The above amount with many thanks has been received by the Managing Editor of the Animal Bioscience for the following item(s).

AJAS-20-0150 "Bayesian estimates of genetic parameters of non-return rate and success in first insemination in Japanese Black cattle" [<https://doi.org/10.5713/ajas.20.0150>]

Subscription Fee :

Page Charge : Vol. 34 No. 7 ~ 8 (5 pages, 175\$)

Reprint Cost : Vol. _____ No. _____

Others :



Ms Hye J. Ann (안혜정)
Managing Editor, AB