scotter@lincoln.ac.uk

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quick analysis - hopefully!

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Sheena Cotter <SCotter@lincoln.ac.uk>
to me

Hi there,

Not heard from you in a while, is all ok in the land of Hull? Looking forwards to an im
favourite part of the whole thing so far has been how the right wing of the Tory party
how much they want the EU money back so that they can spend it on schools, the N
science and environmental schemes....well that's me convinced!

So, Carita is writing up the work she did in Cambridge in 2010 on the beetles and ap
children get in the way! I have analysed some of the data and it looks like the relativ
bands (the signal) is heritable (broad sense) but not the colour/brightness. Also the a
produce when handled is heritable. What we need now is a genetic correlation.....

I have attached the data, the "all data" tab includes data from a manipulative expt. F
used is in the "exudates apo" tab. In the "heritability" tab I have estimated the herital
components and the final REML models for each trait are included as comments in t
To estimate the genetic correlation (broad sense) I worked out the family means and
attached figure). The p value of the line from the lm is 0.09, but I think it would be pr
it out with mcmcglmm. I got as far as opening the manual, that's as much as I remer

Can you try this? Carita is happy for you to be an author, given that you helped out i
inevitably huge CIs don't matter too much if the estimate is similar to that produced f
have attached the paper as it stands but the analyses will change, the main added b
the exudate, backing up the aposematism argument.

Thanks muchly, I'm going to work on the rest of the data now, we might need you for
let you know.

Sx

[University of Lincoln]<http://lncn.eu/jv>

Dr. Sheena Cotter | Senior Lecturer

College of Science