

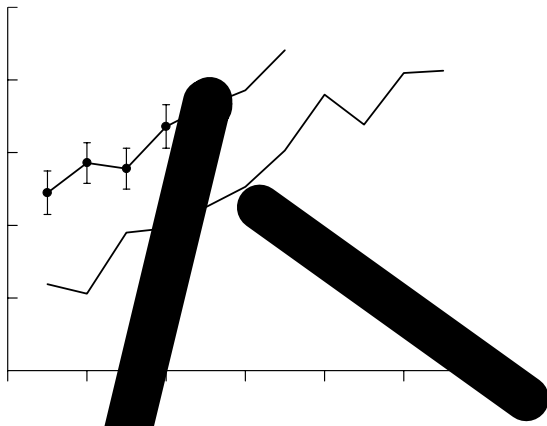
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# Experimental manipulation of female reproduction reveals an intraspecific egg size–clutch size trade-off

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(11. ×11. ×11. ). (±0.1 ,  
0.00 11.00  
(±0.001 )  
10.0 11.0  
( ) f  
( ) f & 1  
( ) f



$\beta = 10^{-2}$ ,  $\alpha < 0.001$  (1,  $\beta = 10^{-2}$ ,  $\alpha < 0.01$ )  
 $\beta = 10^{-2}$ ,  $\alpha < 0.001$  (2)  
 $\beta = 10^{-2}$ ,  $\alpha < 0.001$  (1,  $\beta = 10^{-2}$ ,  $\alpha < 0.01$ )  
 $\beta = 10^{-2}$ ,  $\alpha < 0.001$  (2)  
 $\beta = 10^{-2}$ ,  $\alpha < 0.001$  (1,  $\beta = 10^{-2}$ ,  $\alpha < 0.01$ )  
 $\beta = 10^{-2}$ ,  $\alpha < 0.001$  (2)

$\beta < 0.02$ ,  $\alpha > 0.0$  (1,  $\beta < 0.02$ ,  $\alpha > 0.0$ )  
 $\beta < 0.02$ ,  $\alpha > 0.0$  (2)  
 $\beta < 0.02$ ,  $\alpha > 0.0$  (1,  $\beta < 0.02$ ,  $\alpha > 0.0$ )  
 $\beta < 0.02$ ,  $\alpha > 0.0$  (2)

**(b)**  
 $\beta < 0.02$ ,  $\alpha > 0.0$  (1,  $\beta < 0.02$ ,  $\alpha > 0.0$ )  
 $\beta < 0.02$ ,  $\alpha > 0.0$  (2)  
 $\beta < 0.02$ ,  $\alpha > 0.0$  (1,  $\beta < 0.02$ ,  $\alpha > 0.0$ )  
 $\beta < 0.02$ ,  $\alpha > 0.0$  (2)



$$\begin{aligned}
 & \left( \frac{f}{f+1} \right)^2 \frac{f}{f+1} = \frac{f^3}{(f+1)^3} \\
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 \end{aligned}$$

$$\left( \frac{f}{f+1} \right)^2 \frac{f}{f+1} = \frac{f^3}{(f+1)^3}$$

... & ... 1 ...  
... ( ) ... 2, 2 ...  
... & ... 1 ... 2, 2 ...  
... 12, 2 0 2 ...  
... & ... 1 ...  
... f ... 265,  
1 1 1 ...  
... & ... 1 ... f ...  
316, 20.  
... 1 ... f ... f ...  
... 44, 2 2 ...  
... 1 2 ...  
& ...  
... 1 0 ... .0. ...  
... & ... 1 ... f ...  
263, 1 1 ...  
... & ... 1 ...  
... f ... 34, 0 ...  
... 1 ... f ... 154,  
2 2 ...  
... & ... 1 1 ...  
... f ... ( ) ... f ...  
... 257, 2 2 2 ...  
... & ... 1 ...  
... 108, 0 ...

... 1 2 ... f ...  
... f, 1 2 ...  
... 73, 1 1 0 ...  
... & ... 1 ...  
... 128, 1 1 2 ...  
... 1 ... f ...  
... ( ) ...