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## Maternal androgens in black-headed gull (*Larus ridibundus*) eggs

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These are electronic appendices to the paper by Eising *et al.* 2001 Maternal androgens in black-headed gull (*Larus ridibundus*) eggs: consequences for chick development. *Proc. R. Soc. Lond. B* **268**, 839–846.

Electronic appendices are refereed with the text. However, no attempt has been made to impose a uniform editorial style on the electronic appendices.

#### ELECTRONIC APPENDICES MS YOLK ANDROGENS AND CHICK DEVELOPMENT

##### Appendix A

Sample sizes for body mass in three chick nests.

Age	A Oil	B Oil	C Oil	A H	B H	C H
0		1	4		2	12
1	4	12	17	4	18	18
2	11	17	8	20	18	14
3	17	12	11	16	16	14
4	11	11	2	11	14	10
5	10	5	6	11	6	5
6	7	5	2	7	8	6
7	3	2	4	4	3	5
8	2	3	1	4	6	5
9	5	3	3	5	3	3
10	2	4	3	3	6	3
11	4	4	4	5	1	2
12	2	4	3	2	2	1
13	5	4	4	2	2	3
14	4	3	3	2	4	4
15	4	2	4	3	3	3
16	5	5	3	3	3	2
17	3	3	5	2	2	1
18	5	6	4	2	3	3
19	4	2	3	2	3	2
20	4	4	2	2	4	3
21	3	2	4	2	3	3
22	1	2	2	3	1	3
23	4	3	3	3	3	2
24	3	3	1	4	2	2
25	3	2	3	1	1	1
26		1	1	2	2	1
27	4	3	2	2	2	1
28	1	1	1	1	3	1
29	1	1	1	2	2	1
30	2	3	1	1	2	1
31	1	1	2	2		
32	1	1	2	1		
33				1	2	1

Sample sizes for leg length in three chick nests.

Age	A Oil	B Oil	C Oil	A H	B H	C H
0		1	4		2	12
1	4	12	19	4	18	19
2	12	18	8	20	19	14
3	19	13	11	17	15	10
4	12	11	2	14	10	7
5	10	6	7	11	6	6
6	8	5	1	8	8	7
7	3	1	3	4	4	4
8	2	3	1	5	6	5
9	3	1	3	4	2	3
10	2	4	3	3	6	3
11	4	3	2	5	1	2
12	1	3	2	2	2	1
13	5	3	1	2	2	2
14	2		1	1	3	2
15	1		1	2	1	2
16	2	1	1	1	1	1
17				1	1	1
18	1					1
19				1	1	2
20				1		3

ELECTRONIC APPENDICES MS YOLK ANDROGENS AND CHICK DEVELOPMENT

Appendix B

Output of the hierarchical linear model for body mass of three chick nests.

		Estimate	SE	<i>P</i>
<i>Null model</i>				
Fixed	Constant	82.679	2.356	0.000
Random	Variance nest level	3689.786	202.351	
	Variance chick level	0	0	
	Variance individual level	0	0	
Deviance		7349.045		
<i>Basic model</i>				
Fixed	Constant	15.140	1.719	0.000
	Age	8.463	0.501	0.000
	Age <sup>2</sup>	0.068	0.026	0.009
	Variance nest level	365.07	20.021	
	Variance chick level	0	0	
	Variance individual level	0	0	
Deviance		5810.744		
<i>Final model</i>				
Fixed	Constant	14.716	1.856	0.000
	Age	8.155	0.481	0.000
	Age <sup>2</sup>	0.083	0.025	0.001
	Treatment	2.105	1.424	0.139
	Hatching order	-10.503	1.273	0.000
	Treatment* order	10.249	1.751	0.000
Random	Variance nest level	330.509	18.125	
	Variance chick level	0	0	
	Variance individual level	0	0	
Deviance		5744.615		

Output of the hierarchical linear model for leg length of three chick nests.

		Estimate	SE	P
<i>Null model</i>				
Fixed	Constant	5.357	0.036	0.000
Random	Variance nest level	0.452	0.131	
	Variance chick level	0	0	
	Variance individual level	0.236	0.125	
Deviance		1321.726		
<i>Basic model</i>				
Fixed	Constant	4.3180	0.041	0.000
	Age	0.2430	0.016	0.000
	Age <sup>2</sup>	-0.003	0.001	0.003
	Variance nest level	0	0	
	Variance chick level	0	0	
	Variance individual level	0.139	0.008	
Deviance		466.117		
<i>Final model</i>				
Fixed	Constant	4.365	0.043	0.000
	Age	0.222	0.016	0.000
	Age <sup>2</sup>	-0.001	0.001	0.317
	Treatment	-0.007	0.031	0.825
	Hatching order	-0.217	0.029	0.000
	Treatment* order	0.185	0.038	0.000
Random	Variance nest level	0	0	
	Variance chick level	0	0	
	Variance individual level	0.126	0.008	
Deviance		412.229		