

Supplemental Material:

Table S1. (A) Repeated measures ANOVA and (B) corresponding Post hoc comparison of temperature of the air in incubator chamber, temperature inside of the egg, and temperature of the sand directly surrounding it.

A

Source of variation	<i>df</i>	SS	MS	<i>F</i>	$\leq P$
Inside Outside	2	1723.270	861.635	127.222	0.001
Chamber	1	529.984	529.984	78.253	0.001
Trial	3	30.093	10.031	1.481	0.257
Inside Outside * Chamber	2	1.472	0.736	0.109	0.898
Inside Outside * Trial	6	5.110	0.852	0.126	0.991
Chamber * Trial	3	31.149	10.383	1.533	0.244
Inside Outside * Chamber * Trial	6	9.603	1.601	0.236	0.958
Error	16	108.363	6.773		

B

In/ Out	In/ Out	Mean Difference	Std. Error	Sig.	Lower Bound	Upper Bound
Air	In	3.277	0.225	0.000	2.696	3.859
	Out	3.286	0.225	0.000	2.705	3.868
In	Air	-3.277	0.223	0.000	-3.859	-2.696
	Out	0.009	0.184	0.999	-0.466	0.484
Out	Air	-3.286	0.225	0.000	-3.868	-2.705
	In	-0.009	0.184	0.999	-0.484	0.466

Table S2. (A) Repeated measures ANOVA analysis of temperature inside of the egg by moisture treatment and (B) corresponding Post hoc comparison of temperature inside of the egg in high moisture treatment and intermediate moisture treatment using Tukey HSD test.

A						
Source of variation		df	SS	MS	F	≤P
Chamber		1	529.980	529.984	13458.918	0.001
Trial		3	30.093	10.31	254.733	0.001
Wet Dry		2	1810.646	905.323	22990.615	0.001
Chamber * Trial		3	31.149	10.383	263.675	0.001
Chamber * Wet Dry		2	18.435	9.217	234.077	0.001
Trial * Wet Dry		6	5.513	0.919	23.335	0.001
Chamber * Trial * Wet Dry		6	12.593	2.099	53.302	0.001
Error		16	0.630	0.390		

B						
Wet/Dry	Wet/Dry	Mean Difference	Std. Error	Sig.	Lower Bound	Upper Bound
Air	Dry	2.951	0.017	0.000	2.907	2.996
	Wet	3.612	0.017	0.000	3.568	3.657
Dry	Air	-2.951	0.017	0.000	-2.996	-2.906
	Wet	0.661	0.014	0.000	0.624	0.697
Wet	Air	-3.612	0.017	0.000	-3.657	-3.568
	Dry	-0.661	0.014	0.000	-0.697	-0.625