



**Figure S1. Cleared and stained (alizarin red S, alcian blue) specimens of hatchling *Pantherophis guttatus*.** A. Thoracic vertebrae, hatchling from intact egg. B. Skull and cervical vertebrae, hatchling from intact egg. C. Thoracic vertebrae, hatchling from peeled egg. D. Skull and cervical vertebrae, hatchling from peeled egg. Scale bars = 5 mm.

Table S1. ANOVA table for analysis of embryonic calcium content depicted in Figure 3A.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	82.1	16.6	0.0001
Days to hatch	3	81.5	163.2	< 0.0001
Treatment * Days	3	79.4	6.7	0.0004
Year	1	8.2	3.6	0.09
Initial egg mass	1	19	36.5	< 0.0001

Table S2. ANOVA table for analysis of embryonic calcium concentration (calcium adjusted for embryo dry mass) depicted in Figure 3B.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	78.2	12.4	0.0007
Days to hatch	3	80.5	0.1	0.94
Treatment * Days	3	78.2	9.3	< 0.0001
Year	1	8.4	0.1	0.74
Embryo dry mass	1	85.4	256.1	< 0.0001

Table S3. ANOVA table for analysis of yolk calcium content depicted in Table 2.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	80.6	2.6	0.11
Days to hatch	3	79.1	244.8	< 0.0001
Treatment * Days	3	78.1	0.6	0.62
Year	1	8.5	3.1	0.11
Initial egg mass	1	44.7	15.7	0.0003

Table S4. ANOVA table for analysis of yolk calcium concentration (calcium adjusted for yolk dry mass).

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	77	0.7	0.40
Days to hatch	3	78.9	1.8	0.16
Treatment * Days	3	77.1	0.4	0.73
Year	1	8.3	0.2	0.63
Yolk dry mass	1	82.5	312.1	< 0.0001

Table S5. ANOVA table for analysis of egg wet mass at sampling.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	39.5	19.6	< 0.0001
Days to hatch	2	37.1	18.9	< 0.0001
Treatment * Days	2	36.3	0.3	0.71
Year	1	7.8	6.7	0.03
Initial egg mass	1	21.3	4.0	0.06

Table S6. ANOVA table for analysis of hatchling total length depicted in Table 3.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	41.9	18.7	< 0.0001
Year	1	9.1	3.3	0.10
Initial egg mass	1	13.4	34.8	< 0.0001

Table S7. ANOVA table for analysis of embryonic wet mass depicted in Figure 4A.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	81.8	10.5	0.0018
Days to hatch	3	80.5	79.8	< 0.0001
Treatment * Days	3	79.4	2.3	0.08
Year	1	8.9	4.5	0.06
Initial egg mass	1	43.5	34.0	< 0.0001

Table S8. ANOVA table for analysis of embryonic dry mass depicted in Figure 4B.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	81.6	7.1	0.009
Days to hatch	3	80.3	236.9	< 0.0001
Treatment * Days	3	79.4	1.4	0.25
Year	1	8.9	1.3	0.28
Initial egg mass	1	50.2	32.7	< 0.0001

Table S9. ANOVA table for analysis of yolk wet mass depicted in Figure 4C.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	80.7	1.8	0.18
Days to hatch	3	79.1	401.4	< 0.0001
Treatment * Days	3	78.0	1.1	0.37
Year	1	8.3	2.7	0.14
Initial egg mass	1	39.1	19.3	< 0.0001

Table S10. ANOVA table for analysis of yolk dry mass depicted in Figure 4D.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	81.5	0.04	0.85
Days to hatch	3	81.2	352.1	< 0.0001
Treatment * Days	3	79.0	0.4	0.74
Year	1	8.7	1.8	0.21
Initial egg mass	1	17.5	31.2	< 0.0001

Table S11. ANOVA table for analysis of hatchling snout vent length depicted in Table 4.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	15.2	9.6	0.007
Maternal ID	14	13.9	4.2	0.006
Initial egg mass	1	15	19.9	< 0.0001

Table S12. ANOVA table for analysis of hatchling mass depicted in Table 4.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	15.2	8.6	0.01
Maternal ID	14	14.2	2.2	0.01
Initial egg mass	1	15	25.6	< 0.0001

Table S13. ANOVA table for analysis of hatchling skull length depicted in Table 4.

Effect	Numerator DF	Denominator DF	F value	P
Treatment	1	17.2	5.9	0.03
Maternal ID	14	13.6	6.3	0.001

Table S14. ANOVA table for analysis of hatchling vertebral length depicted in Table 4.

	Effect	DF	Sum of Squares	Mean Square	F value	P
Cervical	Treatment	1, 15.8	0.05	0.05	1.17	0.30
	Female	14, 13.4	1.18	0.08	1.83	0.14
Thoracic 1-5	Treatment	1, 17.7	0.33	0.33	5.3	0.03
	Female	14, 13.7	2.43	0.17	2.8	0.03
Last 5 Thoracic	Treatment	1, 17.6	0.44	0.44	6.9	0.02
	Female	14, 13.7	1.98	0.14	2.3	0.07
Caudal 1-5	Treatment	1, 14.6	0.36	0.36	5.4	0.04
	Female	14, 13.2	1.82	0.13	1.8	0.14
Last 5 Caudal	Treatment	1, 15.2	0.06	0.06	0.2	0.66
	Female	14, 10.3	5.36	0.38	1.3	0.34