

A *Haematococcus privus*

ANOVA: single factor						
Summary						
Groups	Count	Sum	Average	Variance		
<i>H. privus</i> HP138	43	1,319.4	30.68372093	70.08996678		
<i>H. privus</i> HP137	43	1,203.4	27.98604651	78.77551495		
<i>H. privus</i> HP136	43	1,374.8	31.97209302	68.52682171		
ANOVA						
Source of variation	SS	df	MS	F	p-value	F crit
Between groups	355.8381	2	177.9190698	2.455271879	0.089937923	3.068100269
Within groups	9,130.477	126	72.46410114			
Total	9,486.315	128				

B *Haematococcus privus* & *H. rubens*

ANOVA: Single factor						
Summary						
Groups	Count	Sum	Average	Variance		
<i>H. privus</i> HP138	43	1,319.4	30.68372093	70.08996678		
<i>H. privus</i> HP137	43	1,203.4	27.98604651	78.77551495		
<i>H. privus</i> HP136	43	1,374.8	31.97209302	68.52682171		
<i>H. rubens</i> SAG 34-1h	43	1183	27.51162791	27.533433		
ANOVA						
Source of variation	SS	df	MS	F	p-value	F crit
Between groups	591.3458	3	197.1152713	3.219184299	0.024220825	2.658398986
Within groups	10286.88	168	61.23143411			
Total	10878.23	171				

C *Haematococcus privus* & *H. rubicundus*

ANOVA: single factor						
Summary						
Groups	Count	Sum	Average	Variance		
<i>H. privus</i> HP138	43	1,319.4	30.68372093	70.08996678		
<i>H. privus</i> HP137	43	1,203.4	27.98604651	78.77551495		
<i>H. privus</i> HP136	43	1,374.8	31.97209302	68.52682171		
<i>H. rubicundus</i> SAG 34-1c	43	880.5	20.47674419	16.48849391		
ANOVA						
Source of variation	SS	df	MS	F	p-value	F crit
Between groups	3,413.565	3	1,137.855097	19.46042787	7.05981E-11	2.658398986
Within groups	9,822.993	168	58.47019934			
Total	13,236.56	171				

Supplementary Fig. S8. ANOVA single factor analysis of akinete diameter variance for the three isolates of *Haematococcus privus* (A), *H. rubens* (B), and *H. rubicundus* (C).