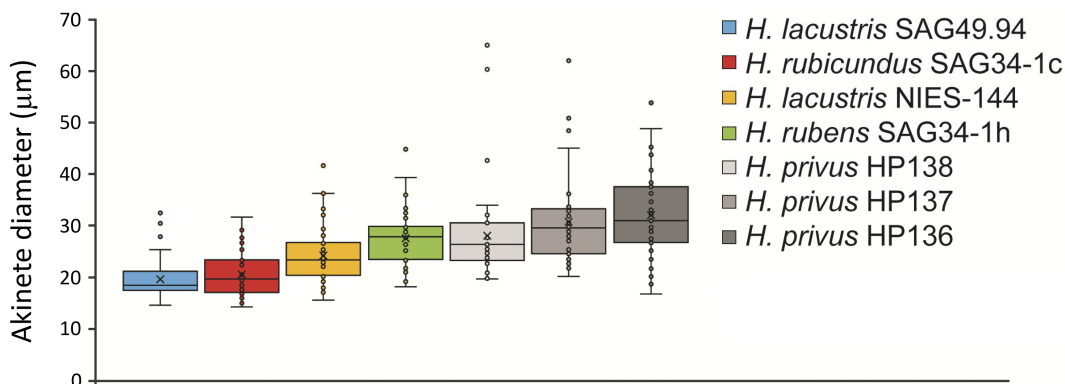


<table border="1"> <tr><td colspan="2">HP138 vs HP137</td></tr> <tr><td>Z</td><td>2.29744</td></tr> <tr><td>P (0.05) &lt;</td><td>0.02144</td></tr> <tr><td>U</td><td>658</td></tr> </table>	HP138 vs HP137		Z	2.29744	P (0.05) <	0.02144	U	658	<table border="1"> <tr><td colspan="2">HP138 vs HP136</td></tr> <tr><td>Z</td><td>-1.08826</td></tr> <tr><td>P (0.05) &lt;</td><td>0.27572</td></tr> <tr><td>U</td><td>798</td></tr> </table>	HP138 vs HP136		Z	-1.08826	P (0.05) <	0.27572	U	798	<table border="1"> <tr><td colspan="2">HP137 vs HP136</td></tr> <tr><td>Z</td><td>-3.32092</td></tr> <tr><td>P (0.05) &lt;</td><td>0.0009</td></tr> <tr><td>U</td><td>539.5</td></tr> </table>	HP137 vs HP136		Z	-3.32092	P (0.05) <	0.0009	U	539.5																		
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<table border="1"> <tr><td colspan="2">SAG 34-1h vs SAG 49.94</td></tr> <tr><td>Z</td><td>6.41729</td></tr> <tr><td>P (0.05) &lt;</td><td>0.00001</td></tr> <tr><td>U</td><td>181</td></tr> </table>	SAG 34-1h vs SAG 49.94		Z	6.41729	P (0.05) <	0.00001	U	181	<table border="1"> <tr><td colspan="2">SAG 34-1h vs NIES144</td></tr> <tr><td>Z</td><td>3.14818</td></tr> <tr><td>P (0.05) &lt;</td><td>0.00164</td></tr> <tr><td>U</td><td>559.5</td></tr> </table>	SAG 34-1h vs NIES144		Z	3.14818	P (0.05) <	0.00164	U	559.5	<table border="1"> <tr><td colspan="2">SAG 34-1h vs SAG 34-1c</td></tr> <tr><td>Z</td><td>5.75656</td></tr> <tr><td>P (0.05) &lt;</td><td>0.00001</td></tr> <tr><td>U</td><td>257.5</td></tr> </table>	SAG 34-1h vs SAG 34-1c		Z	5.75656	P (0.05) <	0.00001	U	257.5	<table border="1"> <tr><td colspan="2">SAG 34-1h vs HP136</td></tr> <tr><td>Z</td><td></td></tr> <tr><td>P (0.05) &lt;</td><td>0.00694</td></tr> <tr><td>U</td><td>611.5</td></tr> </table>	SAG 34-1h vs HP136		Z		P (0.05) <	0.00694	U	611.5	<table border="1"> <tr><td colspan="2">SAG 34-1h vs HP137</td></tr> <tr><td>Z</td><td>-1.92605</td></tr> <tr><td>P (0.05) &lt;</td><td>0.05360</td></tr> <tr><td>U</td><td>701</td></tr> </table>	SAG 34-1h vs HP137		Z	-1.92605	P (0.05) <	0.05360	U	701
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**Supplementary Fig. S6.** Mann-Whitney U test: comparison of akinete diameters. Between isolate comparisons involving *Haematococcus privus* isolates are highlighted in yellow. p-values for statistically significant differences are presented in red; non-significant p-values for differences are presented in green.



**Supplementary Fig. S7.** Box and whisker plots for akinete diameter (Microsoft Excel).