

1 **S4 Table. Multiple post hoc comparison of head diameter among treatments.** Statistics
 2 of Nemenyi test (d.f. = (15, 135)) to compare a pair of GLY concentrations or rearing
 3 contexts in each colony. P-value was corrected with Bonferroni procedure.

GLY concentration (mg/L)	Colony	D		E		F	
	pairwise comparison	Statistic q	P-value	Statistic q	P-value	Statistic q	P-value
	0 vs 1.25	0	1	0.59	1	0.59	1
	0 vs 2.5	2.77	1	0.59	1	1.17	1
	0 vs 5	0.59	1	1.17	1	0.59	1
	1.25 vs 2.5	2.77	1	2.42	1	0.59	1
	1.25 vs 5	0.59	1	0.59	1	0	1
	2.5 vs 5	2.18	1	3.01	1	0.59	1
	<i>in-hive vs in vitro</i>	4.3	1	2.94	1	0.59	1

4