M. cavernosa pH Control 1 Hr 15 Hr b) c) a) Calcification (nmol $CaCO_3 hr^{-1}cm^{-2}$) 400 600 GVC O₂ saturation (%) 500 Δ 400 300 200 P = 0.08P = 0.14P = 0.93200 300 400 500 600 7.9 7.6 8.2 8.2 7.6 7.9 GVC O₂ saturation (%) Seawater pH Seawater pH M. cavernosa pH d) MCAV1 Control MCAV1 1 Hr MCAV1 15 Hr MCAV2 Control MCAV2 1 Hr MCAV2 15 Hr Calcification (nmol CaCO₃ hr⁻¹cm⁻²) e) f) 400 8.7 GVC pH 8.4 8.1 P = 0.25P = 0.02P = 0.687.6 8.4 GVC pH 7.9 8.1 7.6 8.2 8.7 7.9 8.2 Seawater pH Seawater pH D. axifuga pH Calcification (nmol CaCO₃ hr⁻¹polyp⁻¹) $Slope_{15H} = 1166$ Control h) i) g) • 1 Hr 15 Hr $P_{15H} = 0.11$ $R_{15H}^2 = 0.23$ 3000 -8.7 GVC pH 2000 1000 8.1 $Slope_{1H} = 2301$ Slope = 0.57 P < 0.01 $R^2 = 0.60$ Slope = 1774 $P_{1H} = 0.04$ $R_{1H}^2 = 0.40$ P = 0.01 $R^2 = 0.18$

8.4 GVC pH

8.1

7.9

Seawater pH

7.6

8.7

8.2

7.9

Seawater pH

7.6