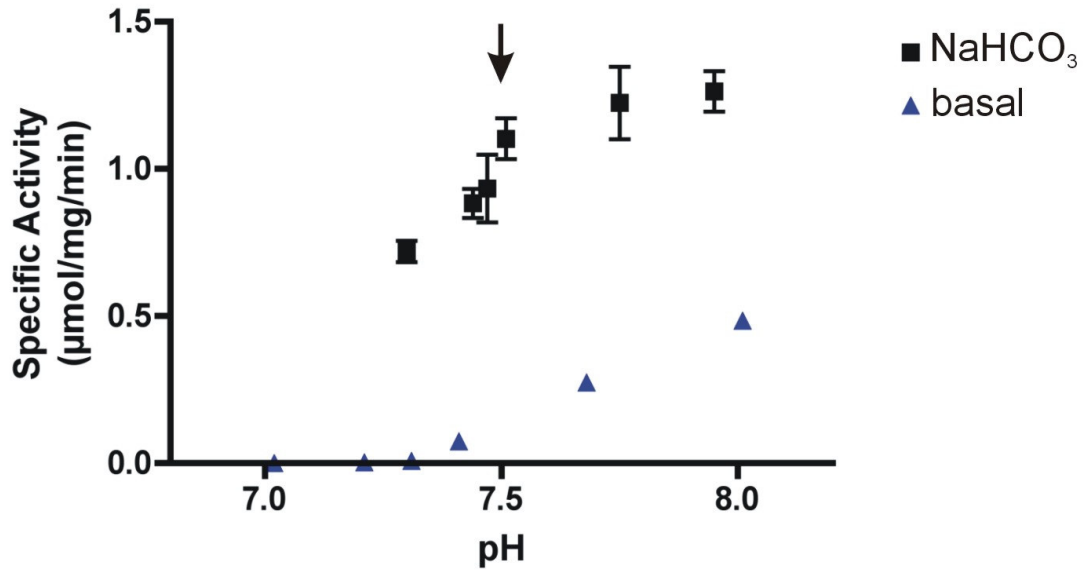


Supplementary Figure 3: Bicarbonate activation of cyanobacterial sAC (CyaC) is pH-independent.



Supplementary Fig. 3 Bicarbonate activation of cyanobacterial sAC (CyaC) is pH-independent. Bicarbonate induces an increase in CyaC activity at all pH values tested; this effect is independent from the observed pH-related changes in enzyme activity. CyaC activity was assayed in absence (\blacktriangle) or presence of 40 mM bicarbonate (\blacksquare) at varying pH. The graphed values indicate pH values measured in the final assay solutions. All assays contained 5 mM ATP and 10 mM MgCl₂, and the activity values shown are averages of triplicate determinations. The pH value of the bicarbonate solution used for crystal soaking experiments (pH 7.5) is indicated by an arrow.