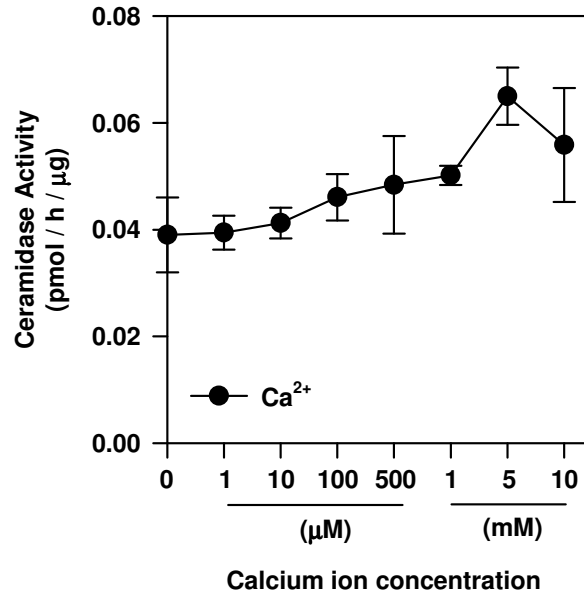


Supplemental Figure 2. Effects of increasing concentrations of free calcium ions on OsCDase activity. Values are means \pm S.D of three replicates.



Methods: To determine the effects increasing concentrations of calcium ions OsCDase activity. Concentrations of free calcium ions from 1 μ M to 10 mM were used in 100 mM phosphate (pH 5.7) buffer with 1 mM EGTA. Free calcium ion concentrations were calculated using WEBMAXC software (<http://www.stanford.edu/~cpatton/webmaxc/webmaxce.htm>).

Results: The data indicated that OsCDase activity was only weakly stimulated in micromolar concentrations of free calcium ions. Significant activation of OsCDase activity was observed at 5 mM free calcium ions (*t*-test, $p < 0.01$).