

SUPPLEMENTARY MATERIAL

Measurement of Detergent Concentration using 2,6-Dimethylphenol in Membrane Protein Crystallization

Chelsy Prince and Zongchao Jia*

Department of Biomedical and Molecular Sciences, Queen's University, Kingston, Ontario, Canada K7L 3N6

*Address correspondence to: Dr. Z. Jia, Department of Biomedical and Molecular Sciences, Queen's University, Botterell Hall, 18 Stuart Street, Kingston, Ontario, Canada, K7L 3N6. Tel: (613)-533-6277, Fax: (613)-533-2497; E-mail: jia@queensu.ca

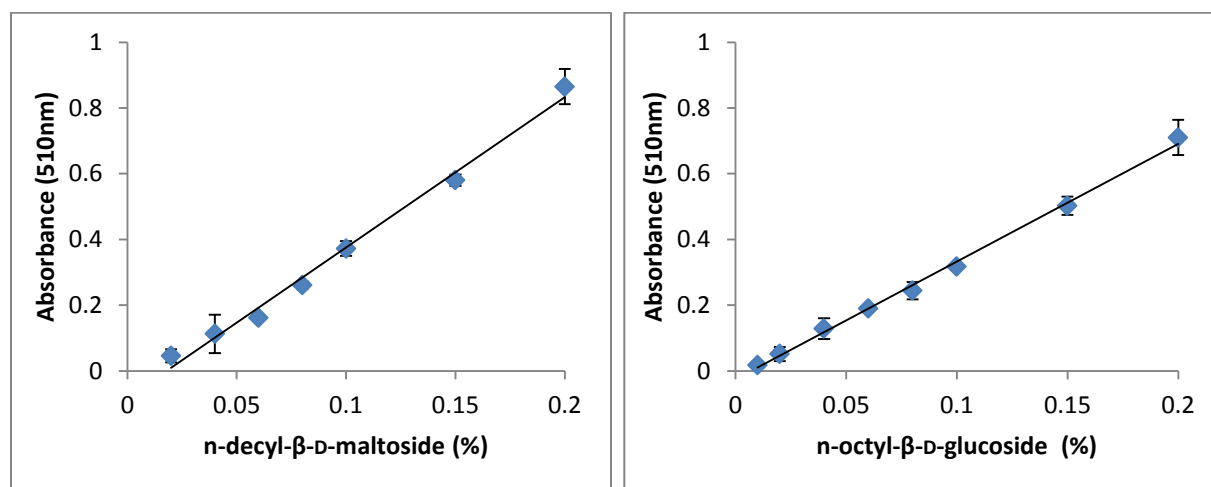


Figure S1: Standard curves for n-decyl-β-d-maltoside and n-octyl-β-d-glucoside. Assay was performed in triplicate; data represents average ± standard deviation for each concentration.

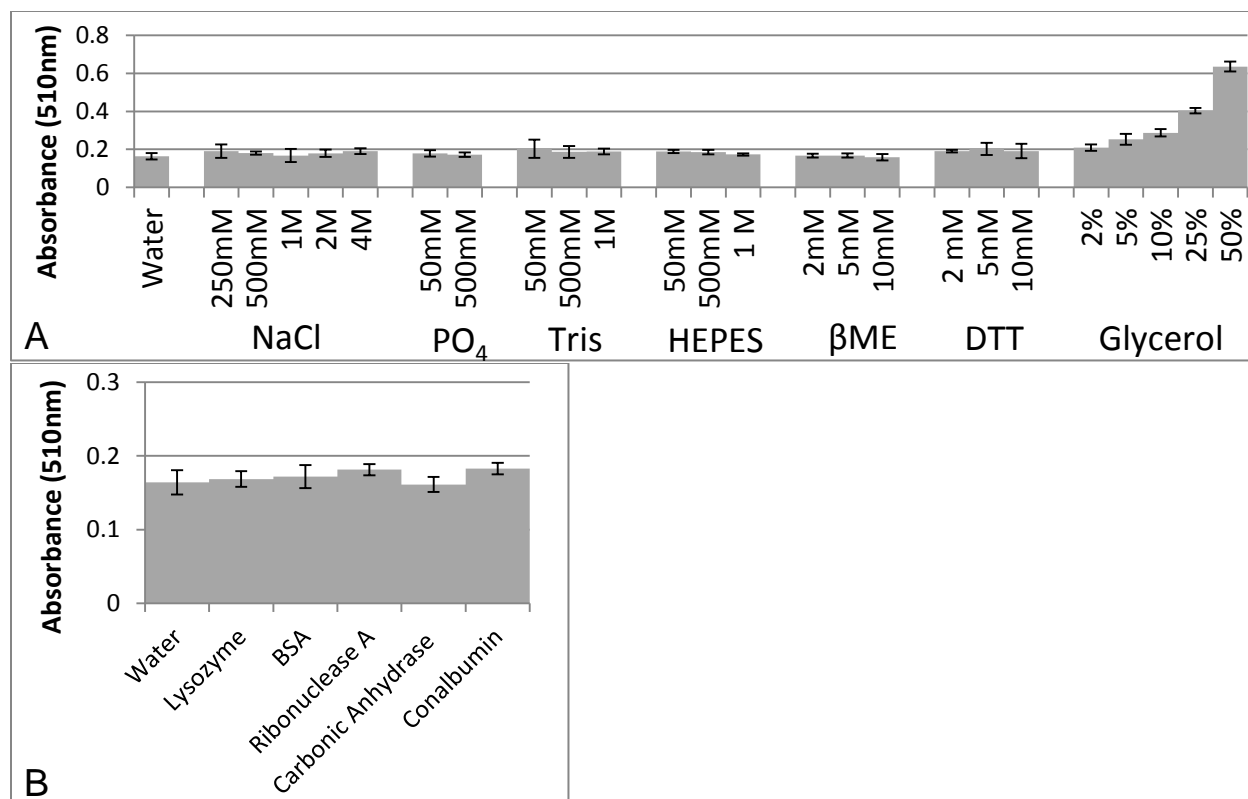


Figure S2: Buffer and Protein Control Reactions. (A) 2,6-dimethylphenol/sulfuric acid reaction with 5 μ L of a concentrated buffer, salt, or additive solution. (B) Reaction with 5 μ L of protein standards at 10 mg/mL. Values shown are the average \pm SD for each standard tested.