Cyanophycin Research Timeline: October - December 2024 First Arginine-Auxotroph Titration Study & ALE Run 1 Completed Experimental Data Analysis & Thoeretical modeling Milestones Arginine-Auxotroph Strains for ALE Created & Validation Arginine-Auxotroph ALE with ΔargBR ΔastAC ΩKan +/-ΔcphAl EXP008 Arg-Aux Titration Response (high [Arg]) EXP009 Arg-Aux Background Growth (0.Arg) EXP010 Arg-Aux Background Growth (0.Arg EXP011 Arg-Aux Titration Response EXP012 PCR (Overlap) Primer Design and Order Completed Experiments EXP012 P¢R (Colony) Construction ΔargR_ΔastAC_ΩKan EXP012 PCR Sequencing EXP012 PCR ADP1 ΔargB +/-ΔcphAl transformation EXP012 P¢R (Colony) ADP1 ΔargB +/-ΔcphAl verification EXP013 ALE Run 2 Exp013 Upcoming Experiments EXP014 (Contingency) Experiments Background Growth Resolution MBP Symposium MBP Progress Report Presentations and Deliverables MBP Progress Report II Thanksgiving Break Holidays and Breaks 2024-10-13 2024-10-20 2024-10-27 2024-11-03 2024-11-10 2024-11-17 2024-11-24 2024-12-01 2024-12-08 2024-12-15 2024-10-06