

Table S2. Fermentation K12 medium.

Initial Medium:	
Potassium phosphate monobasic anhydrous	2 g L ⁻¹
Potassium phosphate dibasic trihydrate	4 g L ⁻¹
Ammonium phosphate dibasic anhydrous	5 g L ⁻¹
Yeast Extract	5 g L ⁻¹
Tryptone	2.5 g L ⁻¹

Added after autoclaving of the initial medium:	
Glucose	25 g L ⁻¹
Magnesium sulfate heptahydrate	0.5 g L ⁻¹
Thiamine	2.5 mg L ⁻¹
X1000 trace metal solution	1 mL L ⁻¹

Glucose feeding solution:	
Glucose	500 g L ⁻¹
Tryptone	10 g L ⁻¹
Magnesium sulfate heptahydrate	10 g L ⁻¹
Thiamine	40 mg L ⁻¹
X1000 trace metal	1 mL L ⁻¹

[X1000] trace metal solution in water:	
Sodium chloride	25 g L ⁻¹
Zinc sulfate heptahydrate	5 g L ⁻¹
Manganese chloride tetrahydrate	20 g L ⁻¹
Ferric chloride hexahydrate	23.8 g L ⁻¹
Cupric sulfate pentahydrate	2 g L ⁻¹
Boric acid	2.9 g L ⁻¹
Sodium molybdate dihydrate	2.5 g L ⁻¹
6 N sulfuric acid	62.5 mL L ⁻¹
