

EXPERIMENT

Glucose Time
Course Experiment

Glucose
Base Na & Mg



Glycerol Time
Course Experiment

Glycerol
Base Na & Mg



Gluconate
Experiment

Gluconate
Base Na & Mg



Lactate
Experiment

Lactate
Base Na & Mg



High Sodium
Experiment

Glucose
Base Mg



Low Magnesium
Experiment

Glucose
Base Na



High Magnesium
Experiment

Glucose
Base Na



GROWTH PHASE

Exponential

Stationary

Late-Stationary

Sample Key

= 1 = 2 = 3 (RNA-Seq)
 = 1 = 2 = 3 (Proteins)

DATA COMPOSE OF

- 7 Experiments
- 21 Batches
- 143 Data Points (RNA-Seq)
- 81 Data Points (Proteins)
- 4 Carbon Sources
- 3 Growth Phases
- 4 Different Na Levels
- 10 Different Mg Levels

5mM Na [*]		100mM Na		200mM Na		300mM Na	
Exp	Stn	Exp	Stn	Exp	Stn	Exp	Stn

0.005mM Mg		0.01mM Mg		0.02mM Mg		0.04mM Mg		0.08mM Mg	
Exp	Stn	Exp	Stn	Exp	Stn	Exp	Stn	Exp	Stn

0.08mM Mg		0.8mM Mg [*]		8mM Mg		50mM Mg		200mM Mg		400mM Mg	
Exp	Stn	Exp	Stn	Exp	Stn	Exp	Stn	Exp	Stn	Exp	Stn