

Phenotypic Microarrays: Update

Dimensions/Viral Dark Matter
San Diego State University
10 May 2012

PM Progress To Date: New Protocol

Clones Ran:

- > EDT 2231
- > EDT 2239
- > EDT 2240
- > EDT 2241
- > VCID 5944
- > VCID 5945
- > VCID 5946
- > VCID 5947
- > VCID 5948
- > VCID 5949
- > VCID 5950
- > VCID 5951
- > VCID 5952
- > VCID 5957
- > VCID 5959
- > VCID 5960
- > VCID 5961

Clones Uploaded:

- > EDT 2231
- > EDT 2239
- > EDT 2240
- > EDT 2241
- > VCID 5944 ★
- > VCID 5945
- > VCID 5946
- > VCID 5947
- > VCID 5948
- > VCID 5949
- > VCID 5950 ★
- > VCID 5951 ★
- > VCID 5952 ★
- > VCID 5957
- > VCID 5959
- > VCID 5960 ★
- > VCID 5961 ★

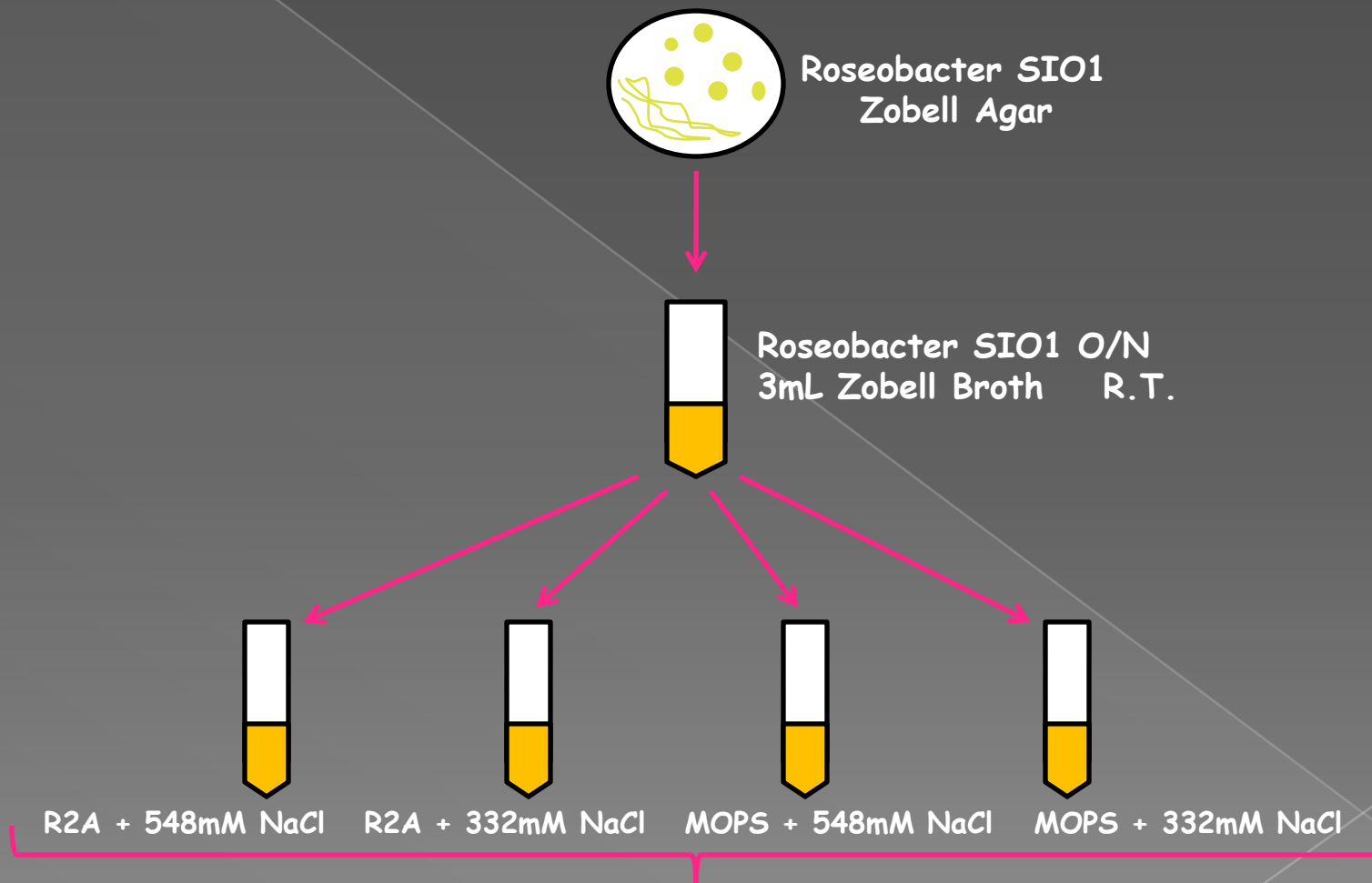
Remaining 8 ANN (-) Clones → 1 Week

Adapting PMs For Roseobacter SIO1

◉ Supplementing Media:

- > Increase [NaCl]
 - Salinity of Ocean = 3.2% \longrightarrow 548mM
 - [NaCl] in Marine broth = 1.94% \longrightarrow 332mM
 - Current [NaCl] = 5mM
- > Zobell as preliminary Carbon Source
 - Currently using 0.2% carbon
- > Preliminary Observations
 - Turbid over nights suggest growth...
 - Growth curves from 1/10 dilutions of overnights

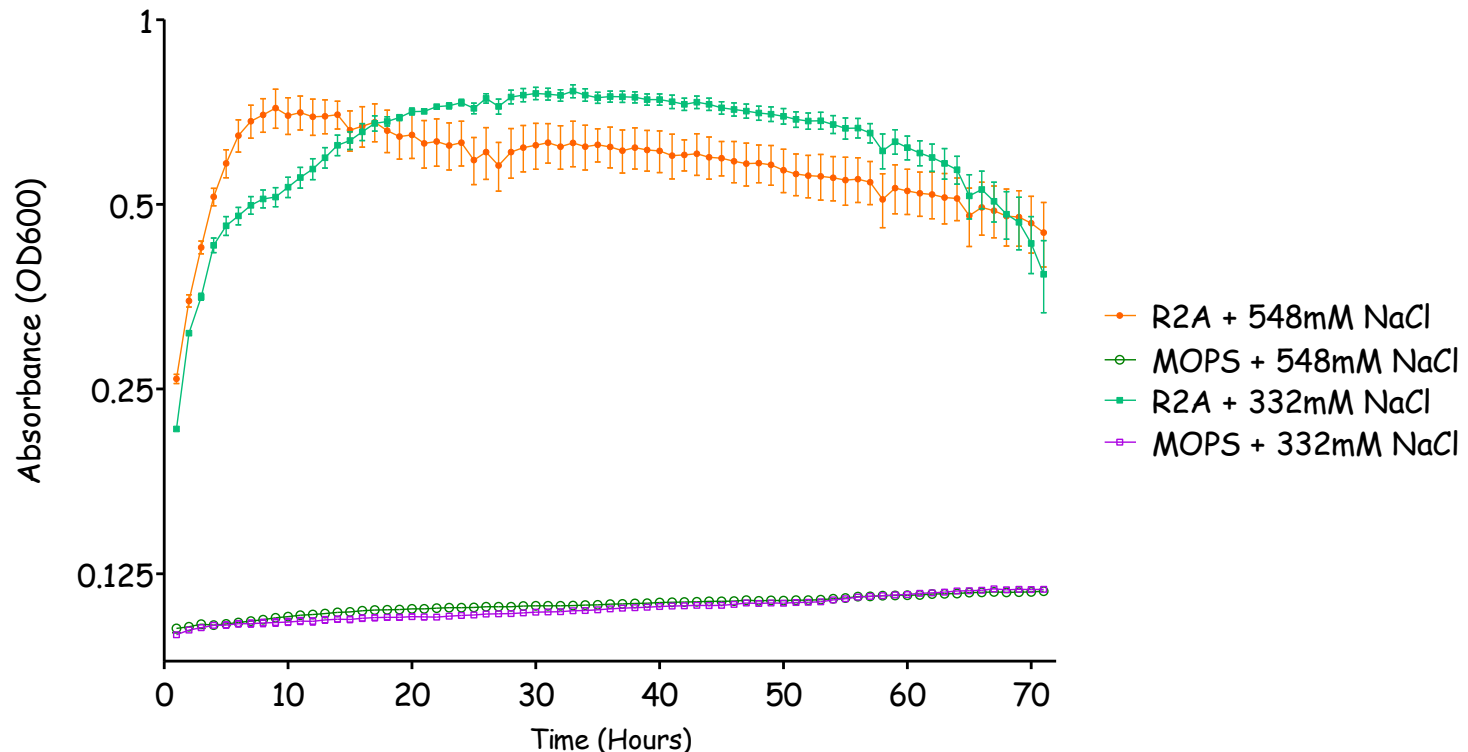
Adapting PMs For Roseobacter SIO1



All grown at R.T. for 2 days, diluted 10 fold and ran in Versa Max for 72 hours
(R.T. w/ infrequent shaking)

Adapting PMs For Roseobacter SIO1

Growth of Roseobacter SIO1



★ Plan to repeat experiment on 10May2012

Moving Forward....

- Finish running and uploading remaining ANN (-) clones
 - > VCID 5998, 6010-6015, and 6019
- Repeat media supplementation experiment
- Discuss with Anca and Victor preferential structural clones to run on PMs.