

July 21, 2014

Overnight cultures for Fluorescent proteins

Overnight culture for RFP - photobleaching experiments

Figure 1. Signal/Noise ratios for Interlab Fluorescent Plasmids

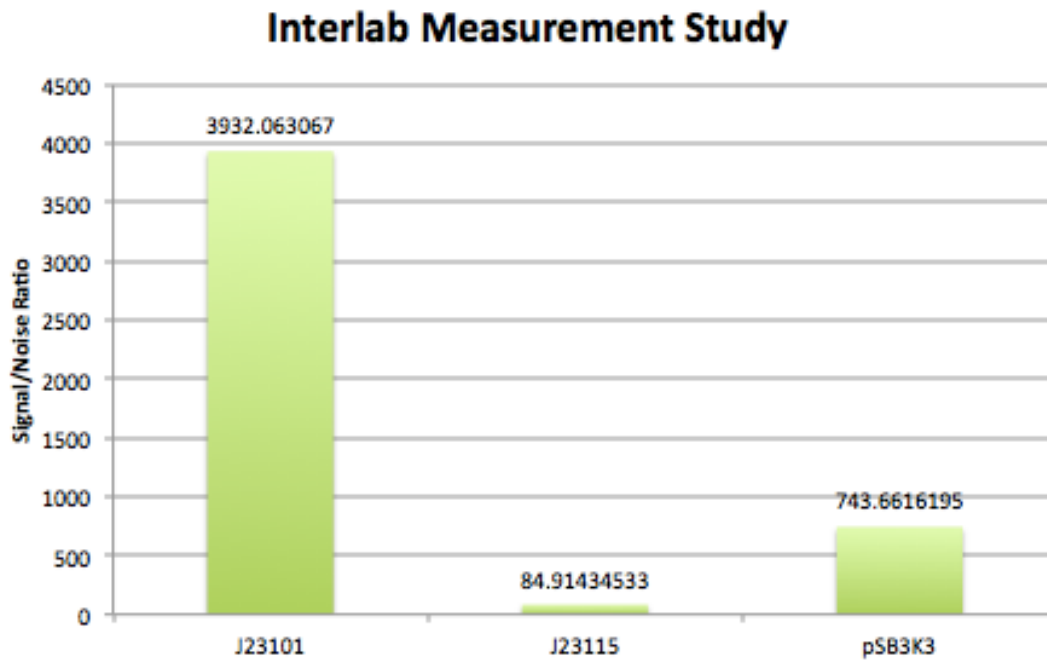


Table 1. Standard Deviation and Means of Replicates for Interlab Study

Sample	Mean	Standard Deviation
blank (cells containing gut RFP plasmid)	114	6.806859286
J23101	26879	2331.832112
J23115	692	58.96609195
pSB3K3	5176	214.0747533

July 22, 2014

TECAN

Purpose: To analyze yellow fluorescent proteins in MACH and TOP10 cells

- 1/10 dilutions of cell samples: 5 ml LB, 500 μ l cells
- Duplicates of each sample
- Samples: YFP in MACH and Top10 and respective controls
- Start at ~11:00 AM
- Time points:
 - 1:00PM - induced cells with 1mM iptg
 - 2:00 PM
 - 3:00 PM
 - 4:00 PM
- See Table 2 (June 3, 2014) for parameters (YFP only)
- Note: Data on Dropbox

Transformation of Superoxide Generators into Top10 Cells

- 50 μ l cells for 1 μ l DNA
- Plate 300 μ l transformants on LB + CAM plates
- Incubate at 37 °C overnight
- iGEM Transformation Protocol:
<http://parts.igem.org/Help:Protocols/Transformation>

Overnight

Cultures for transformants (250 μ l transformants)

Streaked out mRFP cut with HindII control

July 23, 2014

Overnight cultures for superoxide generators and RFP

July 24, 2014

Photobleaching for superoxide generators and RFP (data in dropbox)

Overnight cultures for superoxide generators and RFP

Overnight cultures for Interlab Plasmids to analyze fluorescence tomorrow

July 25, 2014

Real J23115 + E0240 didn't express fluorescence