

Saturday, September 10th 2016 (Kevin Chen)

Objective: Zymoclean and Golden-gate Assembly Biobrick Compatible Hypoxia 670

1. Zymoclean and concentrate kit for PCR products of Hypoxia 670 BBC
2. Golden gated using Bsa.

Objective: resuspend primers

1. Primers 77, 78, 79, 80, 81, 83, 85, 86, 87, 88 resuspended in water at both 100 uL and 10 uL, all in Plasmid box 2

Monday, September 12th 2016

Transferred cultures of violacein to new tube at 30 degrees C, 4 hours.

Added 1 mM IPTG

Grew new cultures of violacein + MG1655 for 18 hours at 37 degrees Celsius

Grew new cultures of hypoxia BC GG GC 100 uL

Tuesday, September 13th 2016

1. Miniprepped hypoxia 670 BC GG GC and sent for sequencing with primers VF and VR
2. Seeded 2 50 mL LB/Amp (100) w/ 500 uL violacein culture and 500 uL MG 1655 each.
3. Incubated at 3 h at 30 C, 250 rpm.
4. Poured 1.5% agarose gel for 5 uL of DNA, 110 V for 25 minutes.
5. Added 50 uL of 1 M IPTG into 50 mL violacein culture
6. Incubated at 30 degrees Celsius for 20 h at 250 rpm.
7. Zymocleaned and stored at -20 degrees Celsius in Parts in Progress Box