7/12/17

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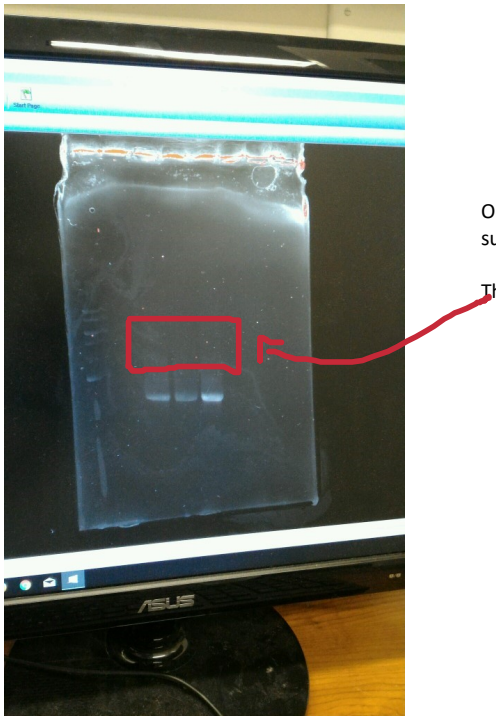
GIBSON ASSEMBLY POSITIVE CONTROL:

DId PCR on JOE and YCP
JOE's annealing temp: 54.1 C **(lane 3)**, 55.0 C **(lane 4)**, 57.2 C **(lane 5)**
YCP's annealing temp: 59.0 C **(lane 6)**, 60.0 C **(lane 7)**, 62.0 C **(lane 8)**
Lane 1 contains 2-log DNA ladder
Lane 2 was left empty.

Ran a gel from the resulting PCR product



Only JOE bands showed up no YCP. This is because we ran the gel for 1.5 hours when it was only supposed to be run for 45-50min. ThE YCP bands basically ran off the gel.

The JOE and YCP samples were loaded in increasing order of annealing temperatures.

We used 30 ml agarose gel (30 ml TAE buffer, 300 mg agarose gel powder, 3ul Midori Green)

INTERLAB STUDY:

Transformed Dh5alpha cells for the interlab study (using kitplate 7 from iGEM) 21B, 21D, 21F, 21H, 21J, 21L, 21N, 21P.