

6.28.10

meeting minutes

Backbone—Primer's are working according to Francis' work on Wednesday. Asked Steve to get the ccdB strain, submit the order. Using this for cloning would be the easiest way to do this. Plasmid encodes ccdB toxin which kills the cell. Need the resistant strain to grow up the plasmids, which are in the registry. Only the cells that have digested plasmid survive?

Amanda did PCR of backbones with negative controls, one without polymerase and one without template. There were bands in each lane...

Stationary phase promoter

Talk to professors about applications of our project, metal assays

Get grad students to check over fusion primers and arsR promoter primers.

Sandbox of parts registry—means they're not submitted to the registry yet but allows documentation.

Digest PAL, ligate into plasmid.

SAP 20 min incubation at 37 to keep plasmid from re-ligating on itself.

Same with Gol proteins.

After transformations, let it grow for 18 hours before we pick colonies. Don't pick red colonies.

Backbones are ready!!!! 15 min digests, keep reaction volumes large.

PCR purification when changing buffers.