7.23.10
Meeting Minutes

Genomic prep—cut DNA by a factor of ten.

Don't have to purify before SAP

40 micrograms/ mL for Kan plates.

Add 1 ul DMSO to PCR.

Plate 15 ul, otherwise, should probably get a lawn.

Competent cells—make sure we wash enough. Final vol. should be around 1 mL.

Chemically competent cells may be easier.

There are some specialized enzymes that may be good for amplifying large fragments (ie: GesABC). Can also add DMSO to reduce melting.

We can be in lab as long as other people are working in the lab as well, ie: grad students. We can try calling Dr. Jin's grad students to see if they'll be in lab when we'd like to be in lab.

GolT try 50 ul PCR, Look at touchdown PCR, get high specificity. Maybe increase the number of cycles. Maybe a standard kit as well will help. Test it out with taq supermix where you just add primers and template.

Possible genomic DNA contamination in pSB1A2 for Tom and Amanda's gel. Be crazy careful with PCR and contamination. Change tips whenever you think you may have touched it to something, don't breathe on it etc.

Send out small RNA biobricks for sequencing.

We can move our stuff into Dr. Jin's -80 while Courtney looks for a -80 for us.