=== GROUP 1: Fluorescent Proteins ===

Date: July 1 2008
status report by: Ingrid (work done by James)
Part no.: BBa_K110017
Part Description: yESapphire
Part Location (in build a genome lab): In James and Jasper's PCR product Box,
Stainless Steel 4 degree
PCR successful?; Yes
Cloning of PCR product successful: Y/N
Sequencing of cloned PCR product successful: Not done
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved: The PCR of this part yielded a very large product
Current status of this part:

Date: July 1 2008
status report by: Ingrid (work done by James)
Part no.: BBa_K110010
Part Description: yESapphire
Part Location (in build a genome lab): In James and Jasper's PCR product Box,
Stainless Steel 4 degree
PCR successful?; Yes
Cloning of PCR product successful: Not done
Sequencing of cloned PCR product successful: No
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved: The PCR of this part yielded a very large product
Current status of this part:

Date: July 17 2008
status report by: Ingrid
Part no.: BBa_K110018
Part Description: mCherry:
Part Location (in build a genome lab): In silver fridge by door
PCR successful?; Yes
(http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&rid=1471)
Cloning of PCR product successful: Inconclusive
Sequencing of cloned PCR product successful: No
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved: Had some extra unknown products, with unknown bands in the gel
Current status of this part: Done with touchdown PCR and gel. Next step is to clone product.

Date: July 17 2008
status report by: Ingrid
Part no.: BBa_K110019
Part Description: mCherry:
Part Location (in build a genome lab): In silver fridge by door
PCR successful?; Yes
(http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&rid=1471)
Cloning of PCR product successful: Inconclusive
Sequencing of cloned PCR product successful: No
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved: Need to figure out if gel after digest shows correct products

Date: July 17 2008
status report by: Ingrid
Part no.: BBa_K110020
Part Description: Venus Enhanced YFP
Part Location (in build a genome lab): In silver fridge by door
PCR successful?; Yes
(http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&rid=1471)
Cloning of PCR product successful: inconclusive
Sequencing of cloned PCR product successful: No
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved: Had some extra unknown products, with unknown bands in the gel
Current status of this part: Done with touchdown PCR and gel. Next step is to clone product.

Date: July 17 2008
status report by: Ingrid
Part no.: BBa_K110021
Part Description: Venus Enhanced YFP
Part Location (in build a genome lab): In silver fridge by door
PCR successful?; Yes
(http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&rid=1471)
Cloning of PCR product successful: Inconclusive
Sequencing of cloned PCR product successful: No
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved: Had some extra unknown products, with unknown bands in the gel
Current status of this part: Done with touchdown PCR and gel. Next step is to clone product.

=== GROUP 2: MATa Specific-promoters ===

Status report by Allison and Nate
Part no.: BBa_K110008
Part Description: MFA1 (L+R)
Part Location: in a labeled box, second shelf from the top, -20
degrees C refrigerator next to front door
Date: 7/10/08
PCR successful? Yes
http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&advanced=0&paging=&page=3
3
Cloning of PCR product successful: in progress
Sequencing of cloned PCR product successful: not done
Joining of validated part to adjacent part(s) status: not done
Problems to be solved: to be determined
Current status of this part: PCR was being troubleshooted, appeared to
have good results with regular PCR protocol (not touchdown) in which
there was a constant annealing temperature of 55 degrees C - see gel

Status report by Allison and Nate
Part no.: BBa_K110016
Part Description: Ste2 (R+L)
Part Location: in a labeled box, second shelf from the top, -20
degrees C refrigerator next to front door
Date: 7/10/08
PCR successful? Yes
http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&advanced=0&paging=&page=3
3
Cloning of PCR product successful: in progress
Sequencing of cloned PCR product successful: not done
Joining of validated part to adjacent part(s) status: not done
Problems to be solved: to be determined
Current status of this part: Both PCR protocols (touchdown and second
PCR with constant annealing temperature) produced product of the
correct size. BBa_K110016 was used as a control in the second PCR with
BBa_K110008.

Status report by Allison and Nate
Part no.: BBa_K110008
Part Description: MFA1 (L+R)
Part Location: same as above, plates are at 4 degrees refrigerator near front door
Date: 7/14/08

PCR successful? Yes
Cloning of PCR product of successful? There were mainly light blue colonies
(only a couple white colonies)
Sequencing of cloned PCR product successful: not done
Joining of validated part to adjacent part(s) status: not done
Problems to be solved: Ligation
Current status of this part: plates are at 4 degrees; another ligation/transformation
will be completed soon

Status report by Allison and Nate
Part no.: BBa_K110016
Part Description: Ste2 (R+L)
Part Location: in a labeled box, second shelf from the top, -20 degrees C refrigerator next to
front door; plates at 4 degrees
Date: 7/14/08
PCR successful? Yes
Cloning of PCR product successful: There were many blue colonies (similar to the plate of BB_K110008)
Sequencing of cloned PCR product successful: not done
Joining of validated part to adjacent part(s) status: not done
Problems to be solved: Ligation
Current status of this part: plates are at 4 degrees; another ligation/transformation
will be completed soon

=== GROUP 3: Short two way stops ===

Date: 7/11/08
status report by: James
Part no.: BBa_K110011
Part Description: Between-bud 27-W FRS2-C LtR
Part Location (in build a genome lab): In James and Jasper's PCR product Box,
Stainless Steel 4 degree
PCR successful?; Yes
Cloning of PCR product successful: Yes
(http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&rid=1475)
Sequencing of cloned PCR product successful: No
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved:
Current status of this part: Miniprep of Overnight
cultures will be completed today

status report by: James
Part no.: BBa_K110012

Part Description: Between STE2-W and BST1-C LtR
Part Location (in build a genome lab): In James and Jasper's PCR product Box,
Stainless Steel 4 degree
PCR successful?; Yes
Cloning of PCR product successful: Yes
(http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&rid=1475)
Sequencing of cloned PCR product successful: No
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved:
Current status of this part: Miniprep of Overnight cultures will be completed today

status report by: James
Part no.: BBa_K110013
Part Description: Between-SWP82-W and EMP47-C LtR
Part Location (in build a genome lab): In James and Jasper's PCR product Box,
Stainless Steel 4 degree
PCR successful?; No
Cloning of PCR product successful: No
Sequencing of cloned PCR product successful: No
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved: The PCR of this part yielded a very large product
Current status of this part:

=== GROUP 4: Long Two-way Stops & Mat(alpha) specific promotors ===

Date: 7/10/08
Status report by: Jaime Liu
Part no.: BBa_K110001
Part Description:
BBa_K110001 - Between-bud 27-W FRS2-C + 200bp into each gene LtR
Part Location (in build a genome lab): In 4C fridge #2
PCR successful?; Y/N (link such as this)- Yes
BBa_K110001: http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&rid=1462
Cloning of PCR product successful: Y/N Yes
Sequencing of cloned PCR product successful: Y/N No
Joining of validated part to adjacent part(s) status: Not Done
Problems to be solved: Not really a problem, but need do a mini-Prep and sequence
Current status of this part: All cloned and inoculated into 100uL in 96 well plate for
sequencing- put in incubator on 7/15

Date: 7/10/08
Status report by: Jaime Liu
Part no.: BBa_K110003
Part Description:
BBa_K110003 - Between-SWP82-W and EMP47-C +200 into each gene LtR
Part Location (in build a genome lab): In 4C fridge #2
PCR successful?; Y/N (link such as this)- Yes
BBa_K110003: http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&rid=1463
Cloning of PCR product successful: Y/N Yes
Sequencing of cloned PCR product successful: Y/N No
Joining of validated part to adjacent part(s) status: Not Done
Problems to be solved: Not really a problem, but need do a mini-Prep and sequence
Current status of this part: All cloned and inoculated into 100uL in 96 well plate for sequencing- put in incubator on 7/15

Date: 7/10/08
Status report by: Jaime Liu
Part no.: BBa_K110005
Part Description:
BBa_K110005 - MFalpha2 LtR
Part Location (in build a genome lab): In 4C fridge #2
PCR successful?; Y/N (link such as this)- Yes
BBa_K110005: http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&rid=1470
Cloning of PCR product successful: Y/N Yes
Sequencing of cloned PCR product successful: Y/N No
Joining of validated part to adjacent part(s) status: Not Done
Problems to be solved: Not really a problem, but need do a mini-Prep and sequence
Current status of this part: All cloned and inoculated into 100uL in 96 well plate for sequencing- put in incubator on 7/15

Date: 7/10/08
Status report by: Jaime Liu
Part no.: BBa_K110006
Part Description:
BBa_K110006 - MFalpha1 LtR
Part Location (in build a genome lab): In 4C fridge #2
PCR successful?; Y/N (link such as this)- Yes
BBa_K110006: http://baderlab.bme.jhu.edu:8888/moodle18/mod/data/view.php?d=4&rid=1470
Cloning of PCR product successful: Y/N Yes
Sequencing of cloned PCR product successful: Y/N No
Joining of validated part to adjacent part(s) status: Not Done
Problems to be solved: Not really a problem, but need do a mini-Prep and sequence

Current status of this part: All cloned and inoculated into 100uL in 96 well plate for sequencing- put in incubator on 7/15

=== GROUP 5: MATa Specific Promoters II ===

Date: 7/11/08
status report by Rick Carrick
Part no.: BBa_K110015,
Part Description: MFA1
Part Location (in build a genome lab):
PCR successful?; Y (on moodle somewhere)
Cloning of PCR product successful: Y
Sequencing of cloned PCR product successful:N
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved: None so far
Current status of this part: This parts must be restriction enzyme digested and sequenced next.

Date: 7/11/08
status report by Rick Carrick
Part no.: BBa_K110009
Part Description: Ste2
Part Location (in build a genome lab):
PCR successful?; Y (on moodle somewhere)
Cloning of PCR product successful: Y
Sequencing of cloned PCR product successful:N
Joining of validated part to adjacent part(s) status: Not done
Problems to be solved: None so far
Current status of this part: This part must be restriction enzyme digested and sequenced
 next

=== GROUP 6: Vectors ===

Status report by ____
Vector transformed into bacteria strain DB3.1 Y/N
Permanent culture made in the Boeke lab for future reference Y/N
Selectable marker for this vector
Medium made and tested Y/N (link)
DNA preps made Y/N
DNA preps tested by RE digest - (link)
DNA preps tested by transformation into DB3.1 and DH5alpha (or JM109) – put data as Table on moodle.
Sample format/data follows:

Amount transformed	cfu/micGm in DB3.1	cfu/micGm in JM109
0.1 ng	5 * 10e7	<2 * 10e2

Preparative digests ready for use are located – where?

=== GROUP 7: Microscopy/Yeast ===

Milestones

Have gfp yeast been visualized by microscopy?

Have gfp yeast been photographed? Link to moodle – picture.

[If pics are nice, put on our web page]

Can green(/other colors) colonies be photographed?

Has STE3-gfp sex detector been transformed into MATa, MATalpha, and MATa/alpha? Y/N

Have permanent cultures been banked in the Boeke lab? Y/N

Have STE3-gfp sex detector cells/colonies been photographed Y/N - link to Moodle