

Name: Jennifer Zhang

Date: 6/23/14

CONFIRMATION?

gel

WEEKLY ONE SENTENCER: continue testing ZBS primer / promoter  
pairs

GEL LANE ORDER:

DAILY ONE SENTENCER: - make more mCherry stock

- PCR ZBS L1 with the promoters ✓  
- gel extract the PCR products

METHOD(S) OF CHOICE:

PCR  
gel extraction

GEL PICTURE / OTHER SPACE:

EXPECTED RESULT:

band of ~1kb

✗ template: 3.5  
✗ primer 2: 20.25  
✗ dNTP: 3.5  
✗ DMSO: 3.5  
Phusion: 3.5  
✗ buffer: 35  
✗ H<sub>2</sub>O: 75.25

(X) check if APE file exists on Drive)

TEMPLATE(S): ZBS L1 *use the drive description*

OLIGO(S): 40-25  
0303

THERMOCYCLER SETTINGS: 94-2'; {94'-15", 65-15", 68-1.5'} x 31  
4'C forever

CONTROLS:

POSITIVE:

NEGATIVE:

~~no poly~~

~~no stem loop~~

~~no polymerase~~

Name: Stefan Tassoukas

Date: 06/23/14

CONFIRMATION?

Have done the starter culture @ 37M → use OD600 record waves.

WEEKLY ONE SENTENCER:

- Prepare competent cells
- Work on funding

DAILY ONE SENTENCER:

- Construct starter culture ✓
- Induce in SOB media overnight ✓ (do 0.5, 1, 3 mL cultures 0.4 adj)

GEL PICTURE / OTHER SPACE:

METHOD(S) OF CHOICE:

- Autoclave ✓
- Bunsen burner

N

EXPECTED RESULT:

- Cell growth ✓
- More sponsorship

(☐ check if APE file exists on Drive)

TEMPLATE(S):

OLIGO(S):

THERMOCYCLER SETTINGS:

CONTROLS:

POSITIVE:

NEGATIVE:

- OD600

06/24/14

.5 mL

1 mL

3 mL

OD600

Name: Kathryn Fittin

CONFIRMATION?

Date: 6/23/14

gel

WEEKLY ONE SENTENCER:

GEL LANE ORDER:

Continue testing RBS primers/promoters

DAILY ONE SENTENCER:

clone ~~all~~ the promoters w/ RBSL1

GEL PICTURE / OTHER SPACE:

METHOD(S) OF CHOICE:

PCR

gel extraction

gel purification

EXPECTED RESULT:

band @ 1 kb

☒ check if APE file exists on Drive)

TEMPLATE(S): mcherry + RBSL1

OLIGO(S): 363 + PH1-PL2 (80-85)

THERMOCYCLER SETTINGS: 94-2', { 94'-15", 65-15", 68C-15" } x31, 68C-4', 4°C

CONTROLS:

POSITIVE:

NEGATIVE:

w/o polymerase

Name: Cohen, Tam

Date: 6/23/14

WEEKLY ONE SENTENCER:

To clone LBS primers into mCherry vector

DAILY ONE SENTENCER:

clone LBS into mCherry

METHOD(S) OF CHOICE:

PCR, gel extract

EXPECTED RESULT:

~1000 bp

☐ check if APE file exists on Drive)

TEMPLATE(S):

~~24-77~~ mCherry

24-77 OLIGO(S):

~~24-77~~ not 76

; 363

THERMOCYCLER SETTINGS:

94-2'; { 94° - 15"; 60-15";

68° - 1.5'; { x37

68° - 4'; 4°C

CONTROLS:

POSITIVE:

NEGATIVE:

no polymerase

CONFIRMATION?

gel

GEL LANE ORDER:

1 kb 74 75 76 77

GEL PICTURE / OTHER SPACE:

140623 LBS + mCherry 74-77

Name: Isim. E

Date: 6/23/14

WEEKLY ONE SENTENCER:

~~To replace with the cloned RBS (1.1) as well as create better clones (that work) for the other RBS. The new can start on promoters.~~

DAILY ONE SENTENCER:

- call more companies for funding.
- clone the other RBS with machinery successfully.
- Made more ~~thick~~ gels.
- METHOD(S) OF CHOICE
- PCR @ 60°
- gel extract (aim to get higher yields)
- purify (by hand)

EXPECTED RESULT: ~900-1000

- band at 370 for RBS + machinery
- good concentrations after gel purifying

(☒ check if APE file exists on Drive)

TEMPLATE(S): RBS + machinery (except BL2)

OLIGO(S): 363 + RBS 074-77 more detail please

THERMOCYCLES SETTINGS: 94-2, 94-15, 60-15, 68-1.5 3 x31 - 68-1.5 3

CONTROLS:

POSITIVE:

NEGATIVE: Nb polymerase.

CONFIRMATION?

Running a gel

GEL LANE ORDER:

@ 60°C 1kb 74 74N 75 75N 76 77

@ 65°C 1kb 74 74N 75 75N 76 77

GEL PICTURE / OTHER SPACE:

140023 RBS + machinery 74-77