Registry: Shipping Parts

iGEM 2010 spring workshop: Canada

May 29-30, 2010

Shipping a Part: Steps

- Verification

- Documentation

- Shipment

- Judging

Shipping a Part:
Verifying your part

- Compatability
  - Must be compatible with RFC10 (Tom Knight BioBrick Standard)
    - Restricted sites: EcoRI, XbaI, SpeI, PstI
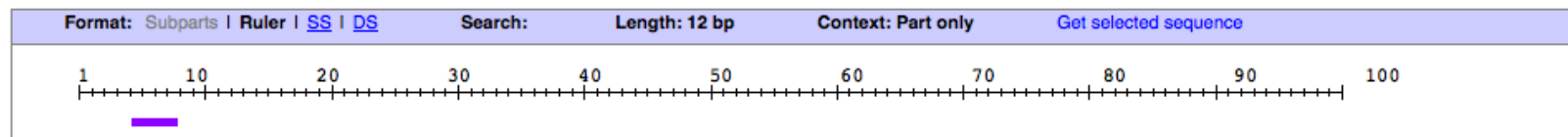   - Biobrick prefix and suffix are NOT part of the part

Part:BBa_B0034

Designed by Vinay S Mahajan, Voichita D. Marinescu, Brian Chow, Alexander D Wissner-Gross and Peter Carr IAP, 2003.   Group: Registry

RBS

DNA Available
1 Registry Star
Get This Part

RBS (Elowitz 1999) -- defines RBS efficiency

RBS based on Elowitz repressilator.

Sequence and Features

Format: Subparts	Ruler	SS	DS	Search:	Length: 12 bp	Context: Part only	Get selected sequence

```
1       10        20        30        40        50        60        70        80        90       100
```

Assembly Compatibility: 10   21   23   25

Shipping a Part:
Verifying your part

- Plasmid backbone
  - Must be in a Registry-supported plasmid backbone

pSB1C3

Shipping a Part:
Verifying your part

- Sequence analysis
  - o Use the Registry sequence analysis tool
  - o Link your analyses to your part for others to see

Sequence Analysis

This tool is used to compare several sequencing reaction results to the expected sequece of a part.
The Registry Blast database was last updated on Thu May 6 03:26:00 2010. (Update now)

Current Sequence Analysis

QC10 Plate 1245, Well 49131	vinoo	2010-04-27

Linked to sample: Library: Spring 2010 Source Plates, Plate: S10 Source Plate 3001, Well: 1G
Target part: BBa_B0034 (length: 12bp) Linked to part info page

B0034

Shipping a Part:
Documenting your part

- As-you-go

- Good examples
  - BBa_E0040
  - BBa_J58105

- Categories
  - Add your own

Shipping a Part: Steps

- Verification
    - RFC10 compatibility
    - Shipping plasmid backbone: pSB1C3
    - Sequence analyses
- Documentation
    - Categories
- Shipment
    - Online submission form
    - Sample format
    - Tracking number
- Judging
    - Favorites
        - Group parts tag
    - Documentation

After iGEM

- Labs and Courses
  - Ung.igem.org
- Publicity and Publications
  - Institution of Engineering and Technology (IET)
  - Institute of Biological Engineering (IBE)
- iGEM Alumni Association
- iGEM 2011
  - Regions!