

A

pRDR00001-pRDR00008

sig1

long

pNJH00010-vector\_backbone

sig2

short

enhanced

vector\_backbone

N-term\_sig\_pep

Gly\_Ser\_linker

gfpuv

ssrA\_tag\_5prime

ssrA\_tag\_3prime

### Add Eugene Rule

Name: rule3

Operand 1: short

Operator: WITH

Operand 2: sig1

Done

☒ Forward ☐ Reverse

Forced Assembly Strategy

Embed\_in\_primer\_forward

Eugene Rules for selected part

| Name  | Operand 1 | Operator    | Operand 2 |
|-------|-----------|-------------|-----------|
| rule1 | short     | NOTMORETHAN | 1         |
| rule2 | short     | NOTWITH     | enhanced  |
|       |           |             |           |
|       |           |             |           |
|       |           |             |           |
|       |           |             |           |

Add Rule

Delete Rule

B

### Eugene Rules Import

**Rules with Name Conflicts**

- Rule rule1(short NOTMORETHAN 2);
  - renaming rule1 to rule5
  - conflicts with Rule rule1(short NOTMORETHAN 1);

**New Rules**

- Rule rule3(short WITH sig1);
- Rule rule4(long NOTMORETHAN 1);

**Ignored Lines**

```
// Comment: rule5 concerns other_part
Rule rule5(long WITH other_part);
Rule rule6(gfpuv BEFORE ssrA_tag_3prime);
```

**Repeated Rules**

- Rule rule2(short NOTWITH enhanced);