



# Optimization Report

## for p7

|                 |        | Failing constraints | Objectives score | Sequenticon   |
|-----------------|--------|---------------------|------------------|---|
|                 |        |                     |                  |   |
| <b>Success!</b> | Before | 1                   | 0                |  |
|                 | After  | 0                   | -3               |  |

Note: install Geneblocks (<https://edinburgh-genome-foundry.github.io/Geneblocks>) to see a plot of sequence edits here.

The optimization created 3 edits. See attached Genbank file for the details.

## Constraints

| constraint | start | end | before | after | edits | % edited |
|------------|-------|-----|--------|-------|-------|----------|
| cds        | 11    | 725 | PASS   | PASS  | 3     | 0.42     |
| No BsmBI   | 11    | 725 | FAIL   | PASS  | 3     | 0.42     |

## Objectives

| objective | boost | start | end | before | after | edits | % edited |
|-----------|-------|-------|-----|--------|-------|-------|----------|
| keep      | 1.0   | 0     | 738 | 0      | -3    | 3     | 0.41     |
| cds       | 1.0   | 11    | 725 | 0      | 0     | 3     | 0.42     |