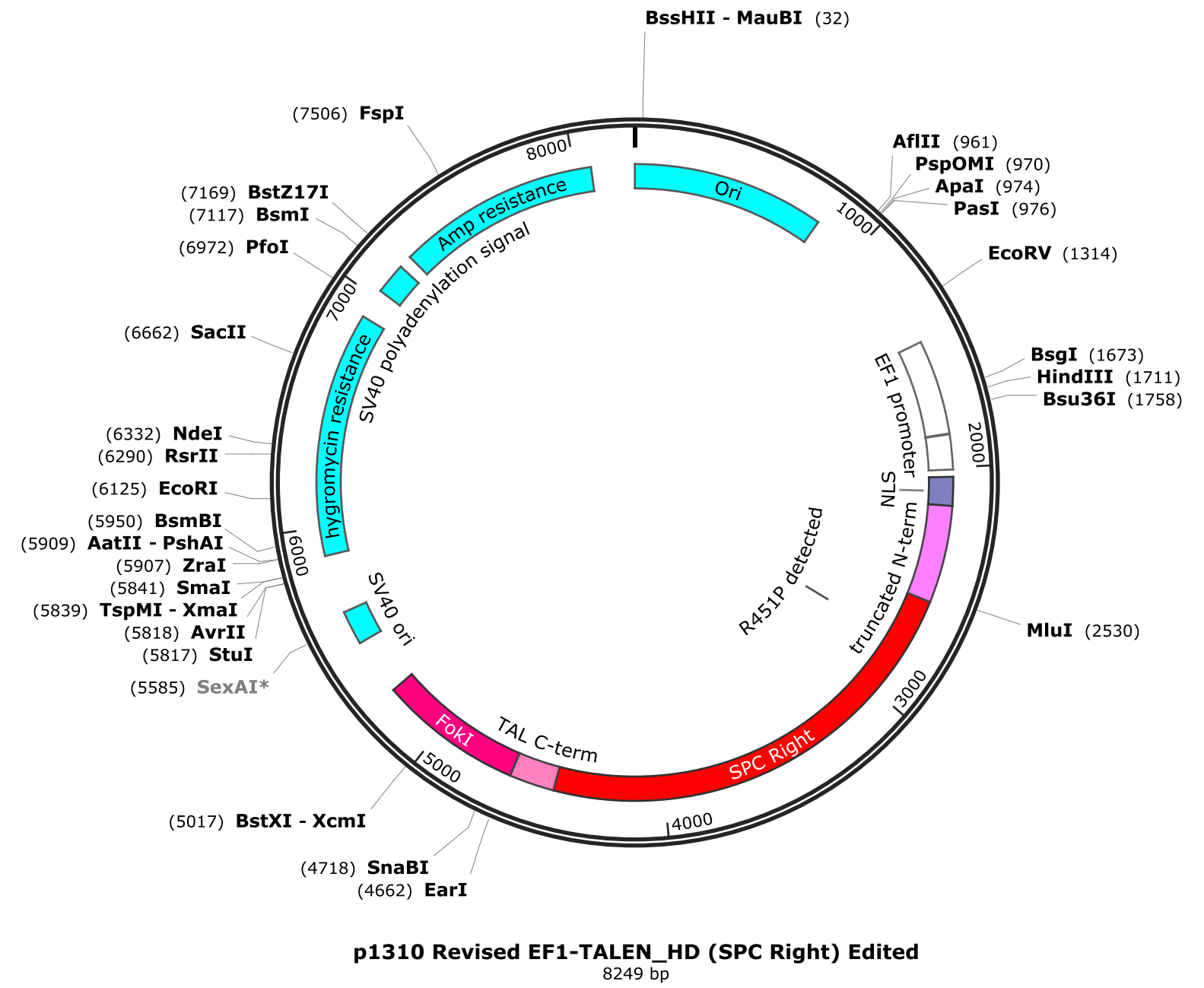
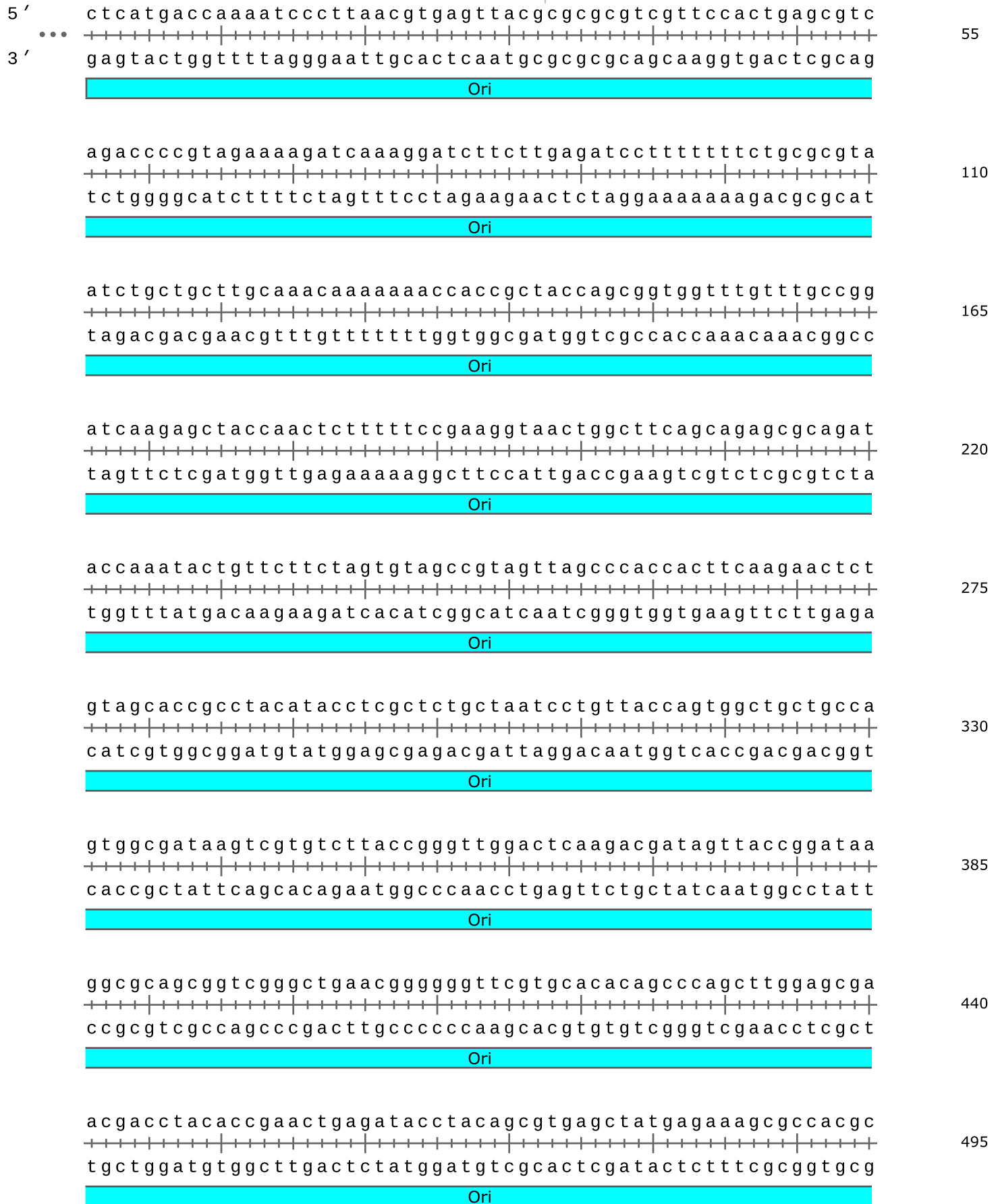


Right TALENS for introducing a double strand break into the genomic human SFTPC locus at the ATG start site. Cloned by JCJ. OTH submitted clone B6-2 (3/2022) to Addgene and found a 61bp deletion and one amino acid change as noted in this map (please see history for bp deletion). JCJ notes that these changes shouldn't affect function of the plasmid, Addgene has put the plasmid online. Published in Jacob et al Cell Stem Cell 2017 (PMID: 28965766).



MauBI
BssHII



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Ori

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 truncated N-term

MluI

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3300

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4015

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SPC Right

SPC Right

SPC Right

SPC Right

SPC Right

SPC Right

SPC Right

SPC Right

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6325

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6710

hygromycin resistance

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Page 16

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7645

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7700

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7755

Amp resistance

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7810

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7865

Amp resistance

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7920

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7975

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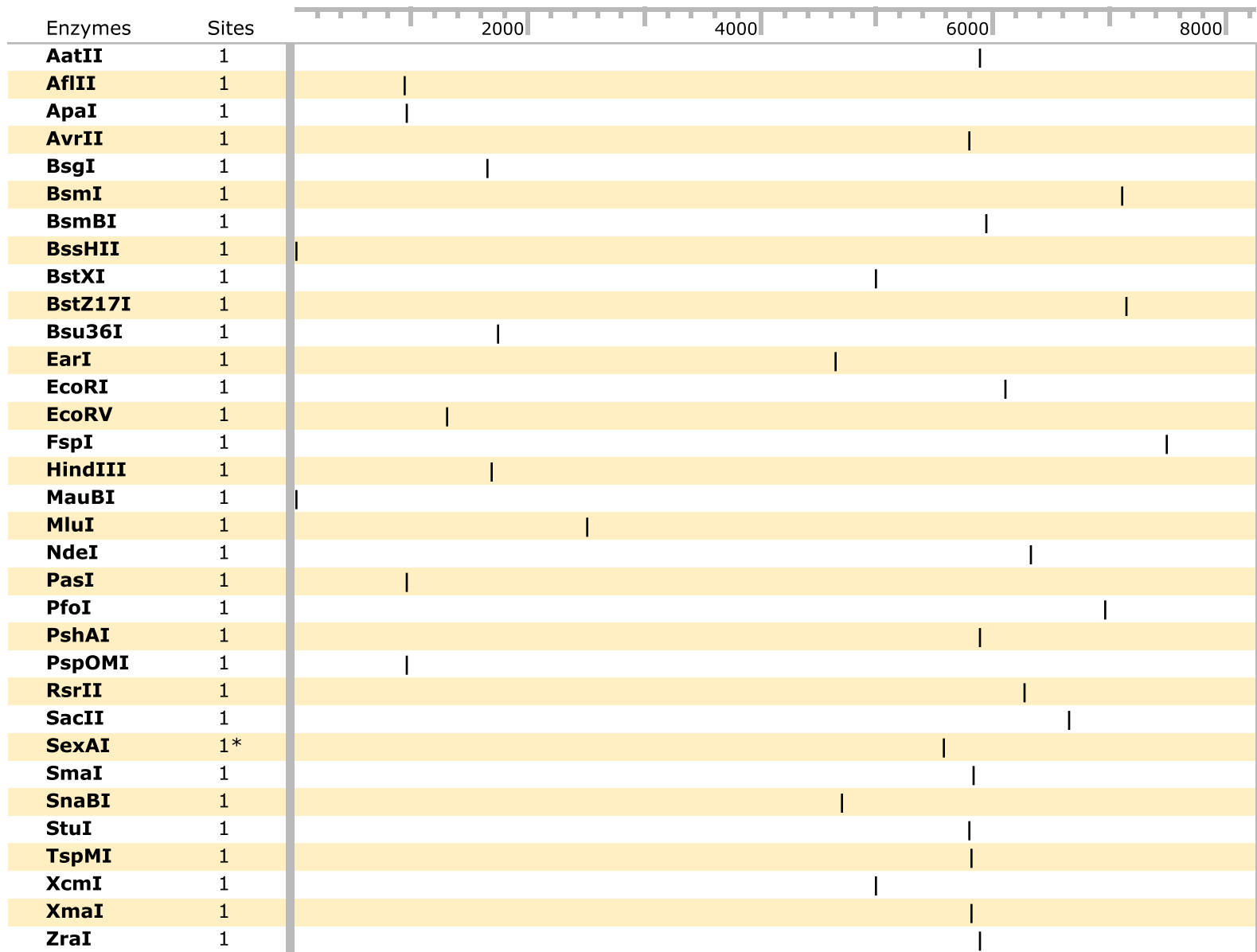
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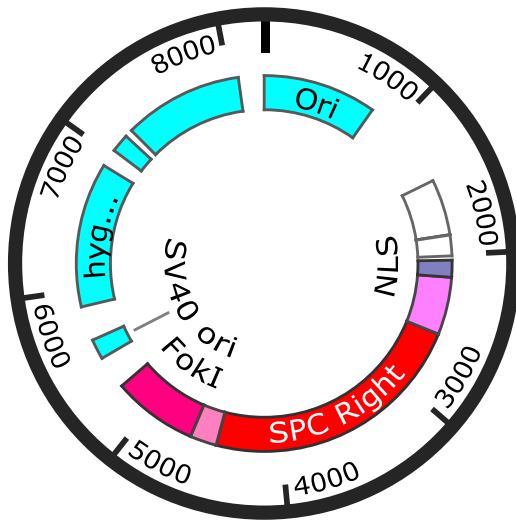
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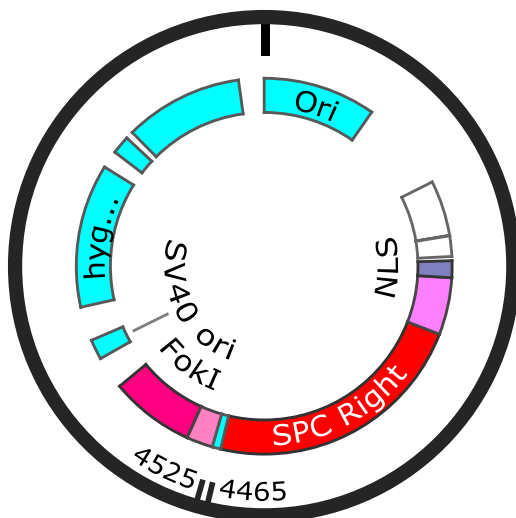


| Feature | Location | Size (bp) |  |  | Type |
|--|--------------|-----------|--|---|--------------|
| ✓ Ori
/label = Ori | 1 .. 806 | 806 |  |  | misc_feature |
| ✓ EF1 promoter
▶ 3 segments | 1464 .. 2009 | 546 |  |  | promoter |
| ✓ NLS
/label = NLS | 2040 .. 2159 | 120 |  |  | misc_feature |
| ✓ truncated N-term
/label = truncated N-term | 2160 .. 2567 | 408 |  |  | misc_feature |
| ✓ SPC Right | 2568 .. 4464 | 1897 |  |  | misc_feature |
| ✓ R451P detected
/note = in comparison to reference sequence | 2778 .. 2780 | 3 |  |  | misc_feature |
| ✓ TAL C-term
/label = TAL C-term | 4465 .. 4652 | 188 |  |  | misc_feature |
| ✓ FokI
/label = FokI | 4653 .. 5255 | 603 |  |  | misc_feature |
| ✓ SV40 ori
/label = SV40 ori | 5493 .. 5636 | 144 |  |  | misc_feature |
| ✓ hygromycin resistance
/label = hygromycin resistance | 5882 .. 6907 | 1026 |  |  | misc_feature |
| ✓ SV40 polyadenylation signal
/label = SV40 polyadenylation signal | 7035 .. 7165 | 131 |  |  | misc_feature |
| ✓ Amp resistance
/label = Amp resistance | 7220 .. 8068 | 849 |  |  | misc_feature |



p1310 Revised EF1-TALEN_HD (SPC Right) Edited
8249 bp

DELETE BASES Remove 4465 .. 4525



EF1-TALEN_HD (SPC Right) Edited
8310 bp

Description: Right TALENS for introducing a double strand break into the genomic human SFTPC locus at the ATG start site. Cloned by JCJ. OTH submitted clone B6-2 (3/2022) to Addgene and found a 61bp deletion and one amino acid change as noted in this map (please see history for bp deletion). JCJ notes that these changes shouldn't affect function of the plasmid, Addgene has put the plasmid online. Published in Jacob et al Cell Stem Cell 2017 (PMID: 28965766).

Created: Mar 12, 2015

Last Modified: Jun 20, 2022

Accession Number:

Code Number:

Sequence Author:

DNA Type: Synthetic DNA

Laboratory Host Organism:

Bacterial Transformation Strain: Unspecified
Dam⁺ Dcm⁺ EcoKI⁺

Comments:

References: