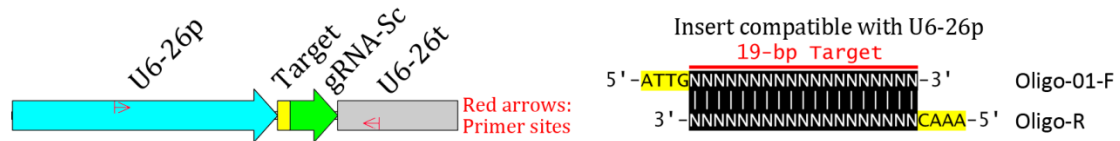


Sequence of one gRNA expression cassette for dicots

23-bp insert + pHEE401E



(U6-26p)-(Target-1)-(gRNA-Sc)-(U6-26t)

```
CGACTTGCCTCCGCACAATACATCATTCTTCTTAGCTTTTTTCTTCTTCTCGTTCATACAGTTTTTTTTGT
TTATCAGCTTACATTTCTTGAACCGTAGCTTTCGTTTTCTTCTTTTAACTTCCATTCCGGAGTTTTGTATCTI
GTTTCATAGTTTGTCCCAGGATTAGAATGATTAGGCATCGAACCTTCAAGAATTGATTGAATAAAACATCTT
CATTCTAAGATATGAAGATAATCTTCAAAGGCCCTGGGAATCTGAAAGAAGAGAAGCAGGCCCATTTAT
ATGGGAAAGAACAATAGTATTTCTTATATAGGCCATTTAAGTTGAAAACAATCTTCAAAGTCCCACATCGC
TTAGATAAGAAAACGAAGCTGAGTTTATATACAGCTAGAGTCGAAGTAGTGATTGNNNNNNNNNNNNNNNN
NNNNNGTTTTAGAGCTAGAAAATAGCAAGTTAAAATAAGGCTAGTCCGTTATCAACTTGAAAAAGTGGCACC
GAGTCGGTGCTTTTTTTTGCAAAATTTCCAGATCGATTTCTTCTTCTCTGTTCTTCGGCGTTCAATTTCTGG
GGTTTTCTTCTCGTTTTCTGTAACCTGAAACCTAAAATTTGACCTAAAAAAAATCTCAAATAATATGATTCAGTG
GTTTTGTACTTTTCAGTTAGTTGAGTTTTGCAGTTCGGATGAGATAAACCAATA
```

Notes:

- Underlined letters come from binary vectors, while the others come from PCR fragments.
- Red letters indicate primer sites.
- Primer sequences are as follows:

Colony PCR primers (5'→3'):

U6-26p-F: TGTCCCAGGATTAGAATGATTAGGC

U6-26t-R: CCCAGAAAATTGAACGCCGAAGAAC

(U6-26p-F + U6-26t-R = 423 bp)

Sequencing primers (5'→3'):

U6-26p-F: TGTCCCAGGATTAGAATGATTAGGC