

Seed Helitrons

```
TTTCTTTTTTAAGTGAATCTCTACTACTCTATAAGGCT...
GATACTTATACTATACTTAAAGCACCAGTTTCAACGGTC...
TTTGATCGACATCTAGAATCTAAAGTATTAAAACTTGAC...
CGGAAAGCAACCTTTACATCTATACTACTAATTAAGAAC...
```

Flanking Upstream
40bp

5' Helitron End
40bp

```
TT...GTGCAATCTCTA...CC
GA...ATACTTAAAGCA...GT
TT...CTAGAATCTAAA...CA
GC...TTTACATCTATA...TA
```

3' Helitron End
40bp

Flanking Downstream
40bp

```
CA...ATCTAGTGGATC...AC
AT...GCCTAGTATGCG...TA
TC...CCCTAGTTAGGA...TG
TT...TCACGGCAAGA...CT
```

BLAST

Plant
Genbank

BLAST

```
AF391808.2:139630-139662
AY664413.1:180420-180445
AY664419.1:238195-238224
```

```
AF391808.2:139630-139662
AY664413.1:180420-180445
AY664419.1:238195-238224
```

Putative Helitrons

Flanking Upstream
40bp

Flanking Downstream
40bp

```
CC...ACGTATCTGCCAACGTACAGCG...GCCTGCGTACAGCGCTAGTCTGTAC...AG
CA...GTCCAACCTGTAGCGGCCTGAAC...TGAACGTAGCGGCCCTACTACACG...TG
CC...TCAGATCTCGCAGCGGCCTGAA...AGCGGCCTGAATACCTAGTACCGT...AG
AG...CCTCATCTGCGCTGAACTGAAC...CGGCCTGACCGGCCCTAGTGTACC...AG
```

Redundancy
Reduction

```
TCTGCCAACGTACAGCG...GCCTGCGTACAGCGCTAG
TCTGCGCAGCGGCCTGAA...AGCGGCCTGAATACCTAG
TCTGCGCTGAACTGAAC...CGGCCTGACCGGCCCTAG
```