Supplemental Figure 2. Deletion mechanism for gene loss.

```
>At5g47080 K14A3 casein kinase II beta chain
        Length = 864

  Plus Strand HSPs:

 Score = 567 (91.1 bits), Expect = 3.9e-29, Sum P(2) = 3.9e-29
 Identities = 127/144 (88%), Positives = 127/144 (88%), Strand = Plus / Plus

Query:  1053 GTTAGACAAGTATAAAAACTATGTCTTTGGAAGATGTCCTAGAGTTCATTGCTGTGGCCA 1112
             ||||||||| || |||||||||| ||||||||||||||| |||||| ||||||||||||
Sbjct:   567 GTTAGACAAATACAAAAACTATGACTTTGGAAGATGTCCAAGAGTTTATTGCTGTGGCCA 626

Query:  1113 ACCTTGTCTTCCTGTTGGTCAATCGGATTTACCTAGATCAAGCACGGTTAAGATATATTA 1172
             ||||||||||| ||||||||||| || |||||  |||| ||||| || ||||||||||
Sbjct:   627 ACCTTGTCTTCCGGTTGGTCAATCAGACTTACCGCGATCTAGCACTGTGAAGATATATTG 686

Query:  1173 CCCTAAATGCCAAGACATTTACTA 1196
             ||| |||||| |||||||||| ||
Sbjct:   687 CCCGAAATGCGAAGACATTTATTA 710

 Score = 267 (46.1 bits), Expect = 3.9e-29, Sum P(2) = 3.9e-29
 Identities = 59/66 (89%), Positives = 59/66 (89%), Strand = Plus / Plus

Query:  1331 AAGCCACCAAAGGCAACACAAAGCTATGTTCCAAGAGTTTTCGGGTTCAAATTACACAAG 1390
             |||||| | |||||||||||||| |||||||| |||||| || |||||||||||||||||
Sbjct:   799 AAGCCAGCGAAGGCAACACAAAACTATGTTCAAAGAGTGTTTGGGTTCAAATTACACAAA 858

Query:  1391 CCGTGA 1396
             ||||||
Sbjct:   859 CCGTGA 864
```