Armking *PpCCD4* locus

```
                                                   (TC)8
atggatgccttctcttcctctttcctatccacatttcccactcaaaatctctctctctctctcctgccatag
 M  D  A  F  S  S  S  F  L  S  T  F  P  T  Q  N  L  S  L  S  L  L  P  -
```

Silver King *PpCCD4* locus

```
                                                   (TC)10
atggatgccttctcttcctctttcctatccacatttcccactcaaaatctctctctctct
 M  D  A  F  S  S  S  F  L  S  T  F  P  T  Q  N  L  S  L  S
ctctctcctgccatagcaacccccaagttcagcatttcctctgttagaattgaagaaaga
 L  S  P  A  I  A  T  P  K  F  S  I  S  S  V  R  I  E  E  R
ccatcaagcccaccaccagcttcaaaacccacctccacaaaagcaccacagcctccaaaa
 P  S  S  P  P  P  A  S  K  P  T  S  T  K  A  P  Q  P  P  K
actccatccccgccactaacaacaaaagctcgcgattacaacaatgcttcaacattctct
 T  P  S  P  P  L  T  T  K  A  R  D  Y  N  N  A  S  T  F  S
gcggcaaaaaaaggaacagatcctacgctacctgcggtgatcttcaacgctttggatgac
 A  A  K  K  G  T  D  P  T  L  P  A  V  I  F  N  A  L  D  D
atcataaacaacttcatagaccctccactgcgcccttctgtggacccaaagcacgtcctc
 I  I  N  N  F  I  D  P  P  L  R  P  S  V  D  P  K  H  V  L
tccaacaactttgctccggttgatgagcttcctccgaccgagtgtgagatcatacagggc
 S  N  N  F  A  P  V  D  E  L  P  P  T  E  C  E  I  I  Q  G
tccctaccgccgtgcctcgacggtgcctacatccgcaatggcccgaacccgcagtacctt
 S  L  P  P  C  L  D  G  A  Y  I  R  N  G  P  N  P  Q  Y  L
ccgcgtgggccctaccacctgtttgacggagacggcatgcttcactctgttaggatctcc
 P  R  G  P  Y  H  L  F  D  G  D  G  M  L  H  S  V  R  I  S
aaaggccgtgccgtgctgtgcagccgctatgtcaagacctacaaatacaccattgagcgt
 K  G  R  A  V  L  C  S  R  Y  V  K  T  Y  K  Y  T  I  E  R
gatgctggctaccctattcttcccagcgtcttctctggcttcaacggcctcactgcctcc
 D  A  G  Y  P  I  L  P  S  V  F  S  G  F  N  G  L  T  A  S
gccacacgtggcgctctctccgctgcccgcgtctttacaggccaatacaatcctgctaat
 A  T  R  G  A  L  S  A  A  R  V  F  T  G  Q  Y  N  P  A  N
ggcattggtcttgcaaacacaagtttggctttctttggcaaccaactttatgcgcttggc
 G  I  G  L  A  N  T  S  L  A  F  F  G  N  Q  L  Y  A  L  G
gagtctgatctcccttattctttgcgtttgacatccaatggagatatccaaactctggga
 E  S  D  L  P  Y  S  L  R  L  T  S  N  G  D  I  Q  T  L  G
cgccatgattttgatggcaagctcttcatgagcatgacggctcatccaaagatagaccct
 R  H  D  F  D  G  K  L  F  M  S  M  T  A  H  P  K  I  D  P
gaaacaggggaggcctttgccttccgctacggccccttgcctccatttctaacatacttt
 E  T  G  E  A  F  A  F  R  Y  G  P  L  P  P  F  L  T  Y  F
cggtttgatgcaaacggcacaaagcagccagacgtgcccatattttctatggtcactcca
 R  F  D  A  N  G  T  K  Q  P  D  V  P  I  F  S  M  V  T  P
tcgttcctccacgactttgcaatcacaaaaaaatatgccatctttgttgacatacaaatt
 S  F  L  H  D  F  A  I  T  K  K  Y  A  I  F  V  D  I  Q  I
ggcatgaacccaattgacatgatcaccaaaggagcatcgcctgttggcttggacccttcc
 G  M  N  P  I  D  M  I  T  K  G  A  S  P  V  G  L  D  P  S
aaggtgcctagaatcggagtgatcccgcgatacgcgaaagatgaaacggagatgaggtgg
 K  V  P  R  I  G  V  I  P  R  Y  A  K  D  E  T  E  M  R  W
tttgatgtgcctggttttaacatcatacatgccatcaatgcttgggatgaagaggatgct
 F  D  V  P  G  F  N  I  I  H  A  I  N  A  W  D  E  E  D  A
atagtgatggtggcaccaaacattttgtcagcagagcacacaatggagagaatggatttg
 I  V  M  V  A  P  N  I  L  S  A  E  H  T  M  E  R  M  D  L
atccatgcttcggttgagaaagttaggattgatctcaagacagggattgtgtcaaggcaa
 I  H  A  S  V  E  K  V  R  I  D  L  K  T  G  I  V  S  R  Q
cccatctccacaagaaatctagactttgctgtgttcaatccggcttatgtggggaagaag
 P  I  S  T  R  N  L  D  F  A  V  F  N  P  A  Y  V  G  K  K
aacaagtatgtttatgcagctgtgggtgatccaatgcctaagatatcaggggtggtgaaa
 N  K  Y  V  Y  A  A  V  G  D  P  M  P  K  I  S  G  V  V  K
ttagatgtgtccaatgtggagcacaaggagtgtatagtggctagcaggatgtttgggcca
 L  D  V  S  N  V  E  H  K  E  C  I  V  A  S  R  M  F  G  P
gggtgctatgggggtgagccgttttcgtggctagagagcccgagaatccggaggcagat
 G  C  Y  G  G  E  P  F  F  V  A  R  E  P  E  N  P  E  A  D
gaggacgatgggtacgtggtgacgtatgttcatgatgagaaggcaggagaatcaagcttc
 E  D  D  G  Y  V  V  T  Y  V  H  D  E  K  A  G  E  S  S  F
ttggtgatggatgccaagtctcctcggcttgatattgtggcagatgtgaggctgccccgg
 L  V  M  D  A  K  S  P  R  L  D  I  V  A  D  V  R  L  P  R
cgggtgccttatggcttccatggactctttgtgaaggaaagtgatctcaacaagttgtag
 R  V  P  Y  G  F  H  G  L  F  V  K  E  S  D  L  N  K  L  -
```

Figure S1. Comparison between nucleotide and deduced amino acid sequences of the $(TC)_8$ and $(TC)_{10}$ repeat allele in 'Armking' and 'Silver King' revertants.