KpnI HIS$_{6x}$ HA$_{3x}$

```
ggtaccatgcaccatcaccatcaccatgccatgggttatccgtacgacgtgccagactat
 G  T  M  H  H  H  H  H  H  A  M  G  Y  P  Y  D  V  P  D  Y
```

HA$_{3x}$

```
gcgggctatccctatgacgtcccggactatgcaggatacccttacgatgttcctgattac
 A  G  Y  P  Y  D  V  P  D  Y  A  G  Y  P  Y  D  V  P  D  Y
```

IAA1 16KR

```
gctcatatggaagtcaccaatgggcttaaccttagggacacagagcttcgtttgggatta
 A  H  M  E  V  T  N  G  L  N  L  R  D  T  E  L  R  L  G  L

cccggagcacaagaagaacaacaactagaactttcttgcgtcagaagcaacaacaggcgc
 P  G  A  Q  E  E  Q  Q  L  E  L  S  C  V  R  S  N  N  R  R

aggaacaacgactcaacagaagaatctgctcctcctcctacaagaacacaaatcgttgga
 R  N  N  D  S  T  E  E  S  A  P  P  P  T  R  T  Q  I  V  G

tggcctccagtgagatctaaccgtaggaacaacaacaacagaaacgtgagttatgtgaga
 W  P  P  V  R  S  N  R  R  N  N  N  N  R  N  V  S  Y  V  R

gtgagtatggacggagctccatatctccgtaggatagatctcaggatgtacagaaactat
 V  S  M  D  G  A  P  Y  L  R  R  I  D  L  R  M  Y  R  N  Y

ccagagcttctcagagcactagagaacatgttcaggttcacagtaggtgaatattccgag
 P  E  L  L  R  A  L  E  N  M  F  R  F  T  V  G  E  Y  S  E

agagaaggctacagaggatctggatttgtacctacttatgaagacagagatggagattgg
 R  E  G  Y  R  G  S  G  F  V  P  T  Y  E  D  R  D  G  D  W

atgttggtcggtgatgttccatgggacatgttctcttcatcttgtcaaagactcagaatt
 M  L  V  G  D  V  P  W  D  M  F  S  S  S  C  Q  R  L  R  I
```

BamHI

```
atgagagggtccgaagctcctactgccttatgaggatcc
 M  R  G  S  E  A  P  T  A  L  -
```

Supplemental Figure 3. Translation of the HIS$_{6x}$-HA$_{3x}$-IAA1 16 KR open reading frame. Protein translation is shown below the DNA sequence. Epitope sequences and restriction sequences used for cloning are denoted with lines above the corresponding sequences. The start of the IAA1 sequence is indicated with an arrow.