```
   1 ATGGACCCAGTTACGGTGATTTTGACGATTTTCGTGGGCCTAACGGGGCTCGTCTACTTCTTTCTGAGGCGGGAGCAGCAGAAATGGCCA    90
     M  D  P  V  T  V  I  L  T  I  F  V  G  L  T  G  L  V  Y  F  F  L  R  R  E  Q  Q  K  W  P

  91 CGATTAGGCGTTCCGTTCGCGAAGAATCCTCACCTACTATTCGGGAACGTTCGAGGAATATTCCAGAAAGAGCACAGCTGCGAAATCCTC    180
     R  L  G  V  P  F  A  K  N  P  H  L  L  F  G  N  V  R  G  I  F  Q  K  E  H  S  C  E  I  L

 181 CAGCGATTGTACTGGGAGTTCAAGGGCCGAGGATTGAAGCTCGGTGGAATTATGAACTTCTTCCAGCCGGCAGTGCTGGTTATCGATCCG    270
     Q  R  L  Y  W  E  F  K  G  R  G  L  K  L  G  G  I  M  N  F  F  Q  P  A  V  L  V  I  D  P

 271 GAGATCAGCAAGAGTATCCTGGTAAAAGATTTCAACAAGTTTCATGATCGCGGAATTTTCGTGGATCCGGCGGGGGATCCTCTGAGTGCC    360
     E  I  S  K  S  I  L  V  K  D  F  N  K  F  H  D  R  G  I  F  V  D  P  A  G  D  P  L  S  A

 361 AATCTGTTCAGCCTGGAGGGAGCCCAGTGGAAGGCAATGCGTACGAAGATGTCTCCGACGTTCACCTCGGGGAAGATGAAGTACATGTTC    450
     N  L  F  S  L  E  G  A  Q  W  K  A  M  R  T  K  M  S  P  T  F  T  S  G  K  M  K  Y  M  F

 451 GAGTCGGTTCTGAACGTGGCCGAGCGGTTGAAGGACTATTTGGCGGAGAATTGCCTGAAGGAGGACATCGAGCTGAAGAACATTCTGCAG    540
     E  S  V  L  N  V  A  E  R  L  K  D  Y  L  A  E  N  C  L  K  E  D  I  E  L  K  N  I  L  Q

 541 CGGTTTACGATGGACGTGATTGGTAATGTGGCGTTCGGGGTTGAGTGTAACTCGATTAAGAACCCGAGTTCGGAGTTCCGGTTGATGGGC    630
     R  F  T  M  D  V  I  G  N  V  A  F  G  V  E  C  N  S  I  K  N  P  S  S  E  F  R  L  M  G

 631 TTAAAGGCGAACCGGTTTGACGGGGTAAGGTTTTTGAAGTTCTTCATCGGAGGCGCCTACAAAAACTTTGCGAAGAAGATCAAGCTGAAG    720
     L  K  A  N  R  F  D  G  V  R  F  L  K  F  F  I  G  G  A  Y  K  N  F  A  K  K  I  K  L  K

 721 GTCGTGGAGGACGACGTTCACAAGTTCTTCATGAGTTTGGTGCACAGTACGGTGCATTACAGGGAAGGGAACAACGTGAAAAGAAACGAC    810
     V  V  E  D  D  V  H  K  F  F  M  S  L  V  H  S  T  V  H  Y  R  E  G  N  N  V  K  R  N  D

 811 TTTTTGAATTTGCTGATGGAGATCAAGAACAAGGGAAAGTTCAGCGATGAACCCAATTCGGGCGGCGAGGGAATCACGATGAACGAGATA    900
     F  L  N  L  L  M  E  I  K  N  K  G  K  F  S  D  E  P  N  S  G  G  E  G  I  T  M  N  E  I

 901 GCCGCGCAGTGTTTCATTTTCTTCACGGCCGGTTTCGAGACTTCGTCCACCACAATCAACTTCTGTCTGTACGAGTTGGCTAACAATCCG    990
     A  A  Q  C  F  I  F  F  T  A  G  F  E  T  S  S  T  T  I  N  F  C  L  Y  E  L  A  N  N  P

 991 GATATTCAGGATCGATTGCGGAATGAGATTGAAGATGTAGTCGCTAAGGACGGAGGAGAGTTGAAATACGATACTCTGCTAGGTATGAAC   1080
     D  I  Q  D  R  L  R  N  E  I  E  D  V  V  A  K  D  G  G  E  L  K  Y  D  T  L  L  G  M  N

1081 TATCTGGATCGAGTTGTCAGTGAAACCCTACGGAAGTACTCGGCGGTGGACAACCTCTTCCGCATCTCCAACTCGCCGTACACTCCGGAC   1170
     Y  L  D  R  V  V  S  E  T  L  R  K  Y  S  A  V  D  N  L  F  R  I  S  N  S  P  Y  T  P  D

1171 GGCTGCAACTTCACCATCCCTGCAGGAACCCTGTTCCAAATTCCCATCCACTCGATGCACCACGATCCGGAGTACTTCCCTGACCCAGGT   1260
     G  C  N  F  T  I  P  A  G  T  L  F  Q  I  P  I  H  S  M  H  H  D  P  E  Y  F  P  D  P  G
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Figure S3 Full length cDNA and deduced amino acid sequence of CYP6BB2 from SP and SMK strains of *Aedes aegypti*. The red letter indicates the only nucleotide differentiate between SP (cytosine) and SMK (thymidine) in this region. The 6BB2F21 and 6BB2R22 primers were used for genotyping. The poly(A) addition signal (aataaa) is also underlined.