Gene: MECP2 - Sequence: NG_007107.2
Transcript: NM_001110792.1 - Protein: NP_004983.1
Date : February 23, 2015

1st line: Base numbering. Full stops for intronic +/- 5, 10, 15...
2nd line: Base sequence. lower case Introns, upper case Exons
3rd line: Amino acid sequence. Printed on FIRST base of codon
4th line: Amino acid numbering. Numbered on 1st and increments of 10

Exon 1 | Start: 44390 | End: 44518 | Length: 128

```
 .    .    .    .    .    .    .    .    .    .    .    .

actaaaccagtccctccgcgcccaagccgcctcttttccccaaacgacggccgaaagcag


 .    .    .    .    .    .    .    .    .    .    .    .

ccaatcaacagctggaggggtccgcccccttttccctggccgaaatggacaggaaatctc


 .    .    .    .    .    .    .    .    .    .    .    .

gccaattgacggcatcgccgctgagacctccccccctcccccgtcctccccgtcccagccc


 .    .    .    .    .    .    .    .    .    .    .    .

ggccatcacagccaatgacgggcgggctcgcagcggcgccgagggcggggcgcgggcgcg


 .    .    .    .    .    .    .    .    .    .    .    .

caggtgcagcagcgcgcgggccggccaagagggcggggcgcgacgtcggccgtgcggggt


   |-49909   |-49899   |-49889   |-49879   |-49869   |-49859
CCGGCGTCGGCGGCGCGCGCGCTCCCTCCTCTCGGAGAGAGGGCTGTGGTAAAAGCCGTC


   |-49849   |-49839   |-49829   |-49819   |-49809   |-49799
CGGAAAATGGCCGCCGCCGCCGCCGCCGCGCCGAGCGGAGGAGGAGGAGGAGGCGAGGAG


   |-49789     .    .    .    .    .    .    .    .    .    .
GAGAGACTgtgagtgggaccgccgtggccgcgggcggggacccttgccgggggggcggggg


 .    .    .    .    .    .    .    .    .    .    .    .

tcaggggcgggacgtggcgcgggaggggcccgcggggtcggacgacacggctggcggatg


 .    .    .    .    .    .    .    .    .    .    .    .

gcgtccctcctctctaccctccccctcccgccgccgccggtggcgactctcccctcggcc


 .    .    .    .    .    .    .    .    .    .    .    .

cgtcacccgtgctcgcgggtgaccgtcctcggcgcggcctccctggagccgccttcgcct
```

```
       .         .         .         .         .         .         .         .         .         .         .         .
gacgcccctcttcctcccgccctcgacgcgcatcccggcccccggccccgcgggcgcccc

       .         .
tgtcgccg
```

Exon 2 | Start: 109570 | End: 109921 | Length: 351

```
       .         .         .         .         .         .         .         .         .         .         .         .
agccgcagtgtttccgctcagaggaaagggctctgattctcctgcagtgctaggagactt

       .         .         .         .         .         .         .         .         .         .         .         .
gtgggtggccacagtgcaggtcaggcacaccggccagcaccacccacagcccaaattcct

       .         .         .         .         .         .         .         .         .         .         .         .
aaagaaatatttgggtcccagcttggcccgagtctctgttgtcctggggaaggacatcaa

       .         .         .         .         .         .         .         .         .         .         .         .
gatctgagtgtatgatggcctggggccttgcatgtggtgggggtccaagcctgcctctgc

       .         .         .         .         .         .         .         .         .         .         .         .
tcacttgttctgcagactggcatgttctctgtgatacttacatacttgtttaacacttca

        |-49779   |-49769   |-49759   |-49749   |-49739   |-49729
GGAAGAAAAGTCAGAAGACCAGGACCTCCAGGGCCTCAAGGACAAACCCCTCAAGTTTAA

        |-49719   |-49709   |-49699   |-49689   |-49679   |-49669
AAAGGTGAAGAAAGATAAGAAAGAAGAGAAAGAGGGCAAGCATGAGCCCGTGCAGCCATC

        |-49659   |-49649   |-49639   |-49629   |-49619   |-49609
AGCCCACCACTCTGCTGAGCCCGCAGAGGCAGGCAAAGCAGAGACATCAGAAGGGTCAGG

        |-49599   |-49589   |-49579   |-49569   |-49559   |-49549
CTCCGCCCCGGCTGTGCCGGAAGCTTCTGCCTCCCCCAAACAGCGGCGCTCCATCATCCG

        |-49539   |-49529   |-49519   |-49509   |-49499   |-49489
TGACCGGGGACCCATGTATGATGACCCCACCCTGCCTGAAGGCTGGACACGGAAGCTTAA

        |-49479   |-49469   |-49459   |-49449   |-49439   .
GCAAAGGAAATCTGGCCGCTCTGCTGGGAAGTATGATGTGTATTTGATCAAgtaagtaag

       .         .         .         .         .         .         .         .         .         .         .         .
agcaactcctatctctacagggcagggagggcagggacaaggatccctcatggagcagga
```

```
     .         .         .         .         .         .
aaatgtatgtgcccagggtggggtcggggggaacataaacaatgaacactgagaccaggt

     .         .         .         .         .         .
gtgcttgaaatgaccgtgtacagaggtcgctgccctgagtgggaagttctcaaggtagca

     .         .         .         .         .         .
ggccctctatcctctccacacctcaagtctttatctggggatggaatagctgcggaagca

     .         .         .         .         .         .
gaggaacttgcagagctaggggttcagaggggtgaagaagcatgtttcagt


Exon 3 | Start: 110677 | End: 111894 | Length: 1217

     .         .         .         .         .         .
tgttctagatggtgactcaggcccaggcaccaaccagcagaatgggcctcagcctgacaa

     .         .         .         .         .         .
cccttctgtaccaggcctgactctttggttgctgaactttggagaggcctgggggggtca

     .         .         .         .         .         .
gcggcaggcagacgagtgagtggctttggtgacaggtcctcaggggcagccaggcagtgt

     .         .         .         .         .         .
gactctcgttcaatagtaacgtttgtcagagcgttgtcaccaccatccgctctgccctat

     .         .         .         .         .         .
ctctgacattgctatggagagcctctaattgttccttgtgtctttctgtttgtccccaca

    |-49429    |-49419    |-49409    |-49399    |-49389    |-49379
TCCCCAGGGAAAAGCCTTTCGCTCTAAAGTGGAGTTGATTGCGTACTTCGAAAAGGTAGG

    |-49369    |-49359    |-49349    |-49339    |-49329    |-49319
CGACACATCCCTGGACCCTAATGATTTTGACTTCACGGTAACTGGGAGAGGGAGCCCCTC

    |-49309    |-49299    |-49289    |-49279    |-49269    |-49259
CCGGCGAGAGCAGAAACCACCTAAGAAGCCCAAATCTCCCAAAGCTCCAGGAACTGGCAG

    |-49249    |-49239    |-49229    |-49219    |-49209    |-49199
AGGCCGGGGACGCCCCAAAGGGAGCGGCACCACGAGACCCAAGGCGGCCACGTCAGAGGG

    |-49189    |-49179    |-49169    |-49159    |-49149    |-49139
TGTGCAGGTGAAAAGGGTCCTGGAGAAAAGTCCTGGGAAGCTCCTTGTCAAGATGCCTTT
```

```
   |-49129    |-49119    |-49109    |-49099    |-49089    |-49079
TCAAACTTCGCCAGGGGGCAAGGCTGAGGGGGGTGGGGCCACCACATCCACCCAGGTCAT

   |-49069    |-49059    |-49049    |-49039    |-49029    |-49019
GGTGATCAAACGCCCCGGCAGGAAGCGAAAAGCTGAGGCCGACCCTCAGGCCATTCCCAA

   |-49009    |-48999    |-48989    |-48979    |-48969    |-48959
GAAACGGGGCCGAAAGCCGGGGAGTGTGGTGGCAGCCGCTGCCGCCGAGGCCAAAAAGAA

   |-48949    |-48939    |-48929    |-48919    |-48909    |-48899
AGCCGTGAAGGAGTCTTCTATCCGATCTGTGCAGGAGACCGTACTCCCCATCAAGAAGCG

   |-48889    |-48879    |-48869    |-48859    |-48849    |-48839
CAAGACCCGGGAGACGGTCAGCATCGAGGTCAAGGAAGTGGTGAAGCCCCTGCTGGTGTC

   |-48829    |-48819    |-48809    |-48799    |-48789    |-48779
CACCCTCGGTGAGAAGAGCGGGAAAGGACTGAAGACCTGTAAGAGCCCTGGGCGGAAAAG

   |-48769    |-48759    |-48749    |-48739    |-48729    |-48719
CAAGGAGAGCAGCCCCAAGGGGCGCAGCAGCAGCGCCTCCTCACCCCCCAAGAAGGAGCA

   |-48709    |-48699    |-48689    |-48679    |-48669    |-48659
CCACCACCATCACCACCACTCAGAGTCCCCAAAGGCCCCCGTGCCACTGCTCCCACCCCT

   |-48649    |-48639    |-48629    |-48619    |-48609    |-48599
GCCCCCACCTCCACCTGAGCCCGAGAGCTCCGAGGACCCCACCAGCCCCCCCTGAGCCCCA

   |-48589    |-48579    |-48569    |-48559    |-48549    |-48539
GGACTTGAGCAGCAGCGTCTGCAAAGAGGAGAAGATGCCCAGAGGAGGCTCACTGGAGAG

   |-48529    |-48519    |-48509    |-48499    |-48489    |-48479
CGACGGCTGCCCCAAGGAGCCAGCTAAGACTCAGCCCGCGGTTGCCACCGCCGCCACGGC

   |-48469    |-48459    |-48449    |-48439    |-48429    |-48419
CGCAGAAAAGTACAAACACCGAGGGGAGGGAGAGCGCAAAGACATTGTTTCATCCTCCAT

   |-48409    |-48399    |-48389    |-48379    |-48369    |-48359
GCCAAGGCCAAACAGAGAGGAGCCTGTGGACAGCCGGACGCCCGTGACCGAGAGAGTTAG

   |-48349    |-48339    |-48329    |-48319    |-48309    |-48299
CTGACTTTACACGGAGCGGATTGCAAAGCAAACCAACAAGAATAAAGGCAGCTGTTGTCT

   |-48289    |-48279    |-48269    |-48259    |-48249    |-48239
CTTCTCCTTATGGGTAGGGCTCTGACAAAGCTTCCCGATTAACTGAAATAAAAAATATTT

   |-48229    |-48219 .      .      .      .      .      .      .      .
```

```
TTTTTTCTTTCAGTAAActtagagtttcgtggcttcagggtgggagtagttggagcattg

    .     .     .     .     .     .     .     .     .     .     .     .
gggatgttttcttaccgacaagcacagtcaggttgaagacctaaccagggccagaagta

    .     .     .     .     .     .     .     .     .     .     .     .
gctttgcactttctaaactaggctccttcaacaaggcttgctgcagatactactgacca

    .     .     .     .     .     .     .     .     .     .     .     .
gacaagctgttgaccaggcacctcccctcccgcccaaacctttcccccatgtggtcgtta

    .     .     .     .     .     .     .     .     .     .     .     .
gagacagagcgacagagcagttgagaggacactcccgttttcggtgccatcagtgccccg

    .     .     .     .
tctacagctcccccagc
```

GBK Parser: Version: 1.1, Version Date: 11/02/2015
Reader: Version: 1, Version Date: 11/02/2015
Writer: Version: 1, Version Date: 11/02/2015
Control: Version: 1, Version Date: 11/02/2015