

Gene: GJB2 - Sequence: NG_008358.1
 Transcript: NM_004004.5 - Protein: NP_003995.2
 Date : February 26, 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: 5001 | End: 5193 | Length: 192

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. . . . .
ctggggggtcccgactctcagccgccccgcttcacccgggcccgaaggggctggggga

. . . . .
ggcggcgctcggggtaaccgggggagactcagggcgctgggggcacttggggaactcatg

. . . . .
ggggctcaaaggaactaggagatcgggacctcgaaggggacttgggggggttcggggcctt

. . . . .
cgggggcggtcgggggttcgcggacccgggaagctctgaggacccagaggccgggcgcgc

. . . . .
tccgcccgcggcgccgccccctccgtaactttccagtcctccagggaagaggcgggggtg

      |-209      |-199      |-189      |-179      |-169      |-159
GGGGTGCGGTTAAAAGGCGCCACGCGGGAGACAGGTGTTGCGGCCCCGACGCCCCGCG

      |-149      |-139      |-129      |-119      |-109      |-99
CGCTCCTCTCCCCGACTCGGAGCCCCTCGGCGGCGCCCGGCCAGGACCCGCCTAGGAGC

      |-89      |-79      |-69      |-59      |-49      |-39
GCAGGAGCCCCAGCGCAGAGACCCCAACGCCGAGACCCCGCCCCGGCCCCGCGCGCTT

      |-29
CCTCCCAGCGCAGgtgagcccgccggccccggactgcccggccaggaacctggcgcgggg

. . . . .
agggaccgcgagaccagagcggttgcccggccgctgggtctcggggaaccggggggct

. . . . .
ggaccaacacagtccttgggcccggggggcgggggccgccttctggagcgggcgtttctg

. . . . .

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cggccgagctccggagctggaatggggcggccggggaagtggacgcgatggcaccgcccg

.
gggtgcgagtggggccgggcgcgcgggaggggaaaaaggcgggagccgcccagcg

. . .
cgaggtttgtggt

Exon 2 | Start: 8373 | End: 10513 | Length: 2140

.
gacactccccagcacagcaaatttttatgatgtgtttaagattgggtgaattactcagg
.
tgaacaagctactttttatcagagaacacctaataaacacgttcaagagggttggaact
.
atacatttaacctatgacaaactaagttggttctgtcttcacctgttttggtgaggttg
.
tgtaagagttggtgtttgctcaggaagagatttaagcatgcttgcttaccagactcaga
.
gaagtctccctgttctgtcctagctagtgattcctgtgttggtgcatcgtcttttcca

|-19 |-9 |1 |11 |21 |31
AGCAAACCGCCCAGAGTAGAAGATGGATTGGGGCACGCTGCAGACGATCCTGGGGGGTGT
M D W G T L Q T I L G G V
|1 |11

|41 |51 |61 |71 |81 |91
GAACAAACACTCCACCAGCATTGGAAAGATCTGGCTCACCGTCCTCTTCATTTTTCGCAT
N K H S T S I G K I W L T V L F I F R I
|21 |31

|101 |111 |121 |131 |141 |151
TATGATCCTCGTTGTGGCTGCAAAGGAGGTGTGGGGAGATGAGCAGGCCGACTTTGTCTG
M I L V V A A K E V W G D E Q A D F V C
|41 |51

|161 |171 |181 |191 |201 |211
CAACACCCTGCAGCCAGGCTGCAAGAACGTGTGCTACGATCACTACTTCCCCATCTCCCA
N T L Q P G C K N V C Y D H Y F P I S H
|61 |71

|221 |231 |241 |251 |261 |271
CATCCGGCTATGGGCCCTGCAGCTGATCTTCGTGTCCACGCCAGCGCTCCTAGTGGCCAT
I R L W A L Q L I F V S T P A L L V A M
|81 |91

|281 |291 |301 |311 |321 |331
GCACGTGGCCTACCGGAGACATGAGAAGAAGAGGAAGTTCATCAAGGGGGAGATAAAGAG
H V A Y R R H E K K R K F I K G E I K S
|101 |111

|*321 |*331 |*341 |*351 |*361 |*371
 GCATTTGTTTCTTTCTCTGAGGACAAGAGAAAAAGCCAGGTCCACAGAGGACACAGAG

|*381 |*391 |*401 |*411 |*421 |*431
 AAGGTTTGGGTGTCCTCCTGGGGTCTTTTTGCCAACTTTCCCCACGTAAAGGTGAACA

|*441 |*451 |*461 |*471 |*481 |*491
 TTGGTTCTTTCATTTGCTTTGGAAGTTTAAATCTCTAACAGTGGACAAAGTTACCAAGTGC

|*501 |*511 |*521 |*531 |*541 |*551
 CTTAAACTCTGTTACACTTTTTGGAAGTGAAGTCTTTGTAGTATGATAGGTTATTTTGAT

|*561 |*571 |*581 |*591 |*601 |*611
 GTAAAGATGTTCTGGATACCATTATATGTTCCCCCTGTTTCAGAGGCTCAGATTGTAATA

|*621 |*631 |*641 |*651 |*661 |*671
 TGTAAATGGTATGTCATTCGCTACTATGATTTAATTTGAAATATGGTCTTTTGGTTATGA

|*681 |*691 |*701 |*711 |*721 |*731
 ATACTTTGCAGCACAGCTGAGAGGCTGTCTGTGTATTTCATTGTGGTCATAGCACCTAAC

|*741 |*751 |*761 |*771 |*781 |*791
 AACATTGTAGCCTCAATCGAGTGAGACAGACTAGAAGTTCCTAGTGATGGCTTATGATAG

|*801 |*811 |*821 |*831 |*841 |*851
 CAAATGGCCTCATGTCAAATATTTAGATGTAATTTTGTGTAAGAAATACAGACTGGATGT

|*861 |*871 |*881 |*891 |*901 |*911
 ACCACCAACTACTACCTGTAATGACAGGCCTGTCCAACACATCTCCCTTTTCCATGACTG

|*921 |*931 |*941 |*951 |*961 |*971
 TGGTAGCCAGCATCGGAAAGAACGCTGATTTAAAGAGGTCGCTTGGGAATTTTATTGACA

|*981 |*991 |*1001 |*1011 |*1021 |*1031
 CAGTACCATTTAATGGGGAGGACAAAATGGGGCAGGGGAGGAGAAGTTTCTGTCGTAA

|*1041 |*1051 |*1061 |*1071 |*1081 |*1091
 AAACAGATTTGGAAAGACTGGACTCTAAAGTCTGTTGATTAAAGATGAGCTTTGTCTACT

|*1101 |*1111 |*1121 |*1131 |*1141 |*1151
 TCAAAAGTTTGTGTTGCTTACCCCTTCAGCCTCCAATTTTTTAAGTGAAAAATATAGCTAAT

|*1161 |*1171 |*1181 |*1191 |*1201 |*1211
 AACATGTGAAAAGAATAGAAGCTAAGGTTTAGATAAATATTGAGCAGATCTATAGGAAGA

|*1221 |*1231 |*1241 |*1251 |*1261 |*1271

TTGAACCTGAATATTGCCATTATGCTTGACATGGTTTCCAAAAAATGGTACTCCACATAT
 |*1281 |*1291 |*1301 |*1311 |*1321 |*1331
 TTCAGTGAGGGTAAGTATTTTCCTGTTGTCAAGAATAGCATTGTAAAAGCATTTTGTAAAT
 |*1341 |*1351 |*1361 |*1371 |*1381 |*1391
 AATAAAGAATAGCTTTAATGATATGCTTGTAACATAAATAATTTGTAAATGTATCAAATA
 |*1401 |*1411 |*1421 |*1431 . . .
 CATTAAAAACATTAAAAATATAATCTCTATAATAATTTAAAAAtctaataatggttttaatag

 aacagcaaattttaatttcacatctatcactttttatataaatacattaatgttttatattt

 cataacaccaatgggtaagttgccagagtgctctgaccccatctgcccagttacagaaa

 agcttctgtcaccagaaagtttggtggggaaggaagggaagatgatttctacctaac

 cccgtgcccacctctaccaggtttttgaggcatatcagtctatggacaatgtggtgtttg

 gtctggaaacgtaccttggtgaatgctgagttggctggaca

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