



Posi.: pGL3 Control Vector
(SV40 promoter)

Nega.: Empty Vector

ESR1: pGL4-phESR1(RDB# 7528)

HNF4A146: pGL4-phHNF4A 146(RDB# 7534)

TNFRSF11B: pGL4-phTNFRSF11B(RDB# 7533)

[GENETYX : Nucleotide Sequence Homology Data]

Date : 2009.11.06

1st Nucleotide Sequence

File Name : Reference Seq.gnu
Sequence Size : 5756

2nd Nucleotide Sequence

File Name : RDB7534F.fasta
Sequence Size : 784

Unit Size to Compare = 1
Pick up Location = 1

[95.764% / 779 bp] INT/OPT. Score : < 359/ 2754 >

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1'          GGCCTAAC TGGCCGGTAC CTGAGCTCGC TAGCCTCGAG
          *****
1'' CGGTGCACGA AACTTATACT CTGGCCTAAC TGGCCGGTAC CTGAGCTCGC TAGCCTCGAG

39' GATCCTCCAA CCTGCCCTTC CAGCCAGCAG TGGAGGACAG GCTCCCAGGN CCTCCCAAGT
          *****
61'' GATCCTCCAA CCTGCCCTTC CAGCCAGCAG TGGAGGACAG GCTCCCAGG- CCTCCCAAGT

99' CTCAGGCTTT TCTTCCTCTG CCCTCACTCT CTGCCTTCTA NCATCAAGAC TTTACTTCCC
          *****
120'' CTCAGGCTTT TCTTCCTCTG CCCTCACTCT CTGCCTTCTA -CATCAAGAC TTTACTTCCC

159' CAGATTGATT GGCAGCCCTT GAAAATGTCT GNCACAGAAG GCAATGAGGG CTGGAGGGAG
          *****
179'' CAGATTGATT GGCAGCCCTT GAAAATGTCT G-CACAGAAG GCAATGAGGG CTGGAGGGAG

219' TGAGAAGAAC AGAGTGCACC ATNGAGCTTC AGACAGCCAG GACCAGCTGT GTAATTTTCA
          *****
238'' TGAGAAGAAC AGAGTGCACC AT-GAGCTTC AGACAGCCAG GACCAGCTGT GTAATTTTCA
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279' GGGCCCCGTC CAANAACAAA AATGCACAAT CCCTTGTTCA AAAGTCATGA TGAATTTTAG

 297'' GGGCCCCGTC CAA-AACAAA AATGCACAAT CCCTTGTTCA AAAGTCATGA TGAATTTTAG

 339' GACANACCAC AGCAGAGCAC TGAACCAGGA ACCAGGACTT TCTAAGGTT GGGTTNGCCT

 356'' GACA-ACCAC AGCAGAGCAC TGAACCAGGA ACCAGGACTT TCTAAGGTT GGGTT-GCCT

 399' GTGACTGCAC TGGCGATACC CCCACAAAGC CCACTCTGAA GGTAGGNAGA CGGGTGGAGA

 414'' GTGACTGCAC TGGCGATACC CCCACAAAGC CCACTCTGAA GGTAGG-AGA CGGGTGGAGA

 459' GAAACAGGGG GATGGCAAGG GGGATACGAA ACAGGGANGA GGGAGGAGGG GGAAGAGGAT

 473'' GAAACAGGGG GATGGCAAGG GGGATACGAA ACAGGGA-GA GGGAGGAGGG GGAAGAGGAT

 519' GGACGTCTAC CAGGCCCCAC TTGGTGCTNT GATTTATGCC ATCTCATTTC CTTCTCAAAC

 532'' GGACGTCTAC CAGGCCCCAC TTGGTGCT-T GATTTATGCC ATCTCATTTC CTTCTCAAAC

 579' CACCCTTTGA AGTTGATTGN TACATTTTAC AGAAAAGGAA ACTGAGGCTC GGAGAGGAGA
 * *****
 591'' CCCCTTGAA AGTTGATTG- TACATTTTAC CGAAAAGGAA ACTGAGGCTC GGAGAGGAGA

 639' ATCATTTACC NCAAGGTCCC AGTTAGTAGA CGGTAGGTGC CTGAATGTAA ATCCAGGTCT

 650'' ATCTTTTACC -CAGGGT-CC AGTTAGTAGA CGGTAGGTGC CTGAATGTAA ATCCAGGTCT

 699' CNTGCCTGCT CCGGGAGGGG GTGGGGGTGA GGGAAACAGG AGAATGTGAT GGNGAAAATC

 708'' C-TGCCTGCT CCGGGAGGGG GTGGGGGTGA GGGAAACAGG ANATTGTGAT GG-GAAATTC

 759' CGAGATGGAG CCAGCCTGGG CCAGAAACAC TGGGAGCTGT GGGNAGACGG AGAGGGGCAG
 ** *** * * ** *** ** *
 766'' CG-GAT-GNG CCCGCCGGGC C

1st Nucleotide Sequence

File Name : Reference Seq.gnu
Sequence Size : 5756

2nd Nucleotide Sequence

File Name : RDB7534R.fasta (Complementary)
Sequence Size : 330

Unit Size to Compare = 1
Pick up Location = 1

[97.306% / 297 bp] INT/OPT. Score : < 463/ 1080 >

1261' NCCCCGGGTG TCAGCCAGAA ACCAACAAAC AGCCAAATCC CTGCAGCCCC GNCCCAGCCT

1" GCGNGTTCTT TTTTCGGGG

1321' ATCCACCGGC GGGGGACCGA TTAACCATTA ACCCCCACCC CTNCCCCGGC AGAGCCTCCA

*** * ***** ***** ** ***** *****

21" GGGTGCTTTT TTGTTGACGA GTGACCATTA ACCCCCACCC CT-CCCCGC AGAGCCTCCA

1381' CCCCTTCACA GAGGCTAGGC CAAGACTCCC AGCNAGATCT TCCCAGAGGA CGGTTTGAAA

***** ***** ***** *** ***** *****

80" CCCCTTCACA GAGGCTAGGC CAAGACTCCC AGC-AGATCT TCCCAGAGGA CGGTTTGAAA

1441' GGAAGGCAGA GAGGGCACTG GGAGNGAGGC AGTGGGAGGG CGGAGGGCGG GGGCCTTCGG

***** ***** *** ***** ***** *****

139" GGAAGGCAGA GAGGGCACTG GGAG-GAGGC AGTGGGAGGG CGGAGGGCGG GGGCCTTCGG

1501' GGTGGGCGCC CAGGGNTAGG GCAGGTGGCC GCGGCGTGA GGCAGGGAGA -ATGCGATCA

***** ***** ***** ***** ***** *****

198" GGTGGGCGCC CAGGG-TAGG GCAGGTGGCC GCGGCGTGA GGCAGGGAGA CATGCGATCA

1560' AGATCTGGCC TCGGCGCCA AGCTTGCAA TCCGGTACTG TTGGTAAAGC CACCATGG-A

***** ***** ***** ***** ***** ***** *

257" AGATCTGGCC TCGGCGCCA AGCTTGCAA TCCGGTACTG TTGGTAAAGC CACCATGGTA



1619' AGATGCCAAA AACATTAAGA AGGGCCCAGC GCCATTCTAC CCACTCGAAG ACGGGACCGC

317" AGATGCCAAA AACA