



Posi.: pGL3 Control Vector
(SV40 promoter)

Nega.: Empty Vector

XPC: pGL4-phXPC (RDB# 7351)

RELA: pGL4-phRELA (RDB# 7366)

DUSP1: pGL4-phDUSP1 (RDB# 7368)

EGR1: pGL4-phEGR1 (RDB#7369)

[GENETYX : Nucleotide Sequence Homology Data]

Date : 2010.03.02

1st Nucleotide Sequence

File Name : Reference Seq.gnu
Sequence Size : 5543

2nd Nucleotide Sequence

File Name : RDB7351F.fasta
Sequence Size : 717

Unit Size to Compare = 1
Pick up Location = 1

[97.854% / 699 bp] INT/OPT. Score : < 2454/ 2656 >

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1'          GG CCTAACTGGC CGGTACCTGA GCTCGCTAGC CTCGAGGATA
          ** *****
1'' GTGCCAGAAC ATTTCTCTGG CCTAACTGGC CGGTACCTGA GCTCGCTAGC CTCGAGGATA

43' TGCACATGAA AAAGCCCTAC TGCTACCTAA GCCTCTGTCT GGGATGCCCA CTGTCTGCTC
          *****
61'' TGCACATGAA AAAGCCCTAC TGCTACCTAA GCCTCTGTCT GGGATGCCCA CTGTCTGCTC

103' TTTTCATCCT GTAGCTTTAA ATATTGGCTT CTCAAAGAGG CTTCTCTGA TCATCTAACT
          *****
121'' TTTTCATCCT GTAGCTTTAA ATATTGGCTT CTCAAAGAGG CTTCTCTGA TCATCTAACT

163' CATTCACTCA AATATTTTTT GAGTGTTTCC AGCACTGTTT TAAACCCCAA AGACAAAAGA
          *****
181'' CATTCACTCA AATATTTTTT GAGTGTTTCC AGCACTGTTT TAAACCCCAA AGACAAAAGA

223' ATGAACAAAA CAAAATCCCT GCTCTTATGG CATTACATT CTAGTGGGGA GAGATTACACA
          *****
241'' ATGAACAAAA CAAAATCCCT GCTCTTATGG CATTACATT CTAGTGGGGA GAGATTACACA
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283' TTAACAAAG ATGCATACAT TTAATATGAA AAAATAACTC TCTATGAAGA AAAATGAGGC
*****
301" TTAACAAAG ATGCATACAT TTAATATGAA AAAATAACTC TCTATGAAGA AAAATGAGGC

343' AGGTAACCA GAGTAGCGGG AGTGCTATTT GGCAGAAGT CCTCTCTGAG GAGGTCAGAT
*****
361" AGGTAACCA GAGTAGCGGG AGTGCTATAT GGCAGAAGT CCTCTCTGAG GAGGTCAGAT

403' TTCAGTAGAA AGTTAAGTT GTGGCATGAT CTCAAAGAT ATTTGAGGAA GAAAAGACC
*****
421" TTCAGTAGAA AGTTAAGTT GTGGCATGAT CTCAAAGAT ATTTGAGGAA GAAAAGACC

463' AGGTGAAAA GCTTCTAGGA CCATCTGTTA TTCTGCATAC CAGTTCCTTG TTTCTTCAC
*****
481" AGGTGAAAA GCTTCTAGGA CCATCTGTTA TACTGCATAC CAGTTCCTTG TTTCTTCAC

523' AGCACATCAC AGTTCCTGGA AGTCTTACAT ATTTATATTT ACTTTTATCT GTTCTCCTCG
*****
541" AGCACATCAC AGTTCCTGGA AGTCTTACAT ATTTATATTT ACTTTTATCT GTTCTCCTCG

583' CAAATATAAG CTCCAAGTAA TGGCAAGGAT CT-CTTATAT GTCGATGTCA GTGTCCTGG
*****
601" CAAATATAAG CTCCAAGTAA TGGCAAGGAT CTCCTAATAT GTTAATGTTA GTGTCCTGG

642' -CCCTTAGAA CAGTGCCTAA CCA-TACAAA GCTGATGTTT A-CTCTA-TC TGCTGAATGA
****
661" CCCCTAAGAA CAGTGCCTAA CCATTACAAA GCTGATTGTC ACCTCTATTT TGCTGAA

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1st Nucleotide Sequence

File Name : Reference Seq. gnu
Sequence Size : 5543

2nd Nucleotide Sequence

File Name : RDB7351R. fasta (Complementary)
Sequence Size : 734



Unit Size to Compare = 1

Pick up Location = 1

[96.774% / 651 bp] INT/OPT. Score : < 1998/ 2409 >

661' CCATACAAAG CTGATGTTCA CTCTATCTGC TGAATGAATA AATAATTGTT GCGCTCACTA

1" TCCCTTAAAC CTTTAANTTA

721' ATGATAACAA CTCCTAACTT TATTACCTGG CTTTCTATTG GAATCCTGAC AGCTCCATGA

21" CCCTTGGGCT TTTTATAAT TGGGAAATTC CCTTAACAGG NCTCCCAATG AGGGTAAGCC

781' GGTAGCTAAG GATAATAATC TACAGATTT- AAAAAAATGA AGCGAA--GA GTG-TGAGAA

** ** *.* ** * * * **** ***** ***** * ** *****

81" TAAAGGAAAT AATNATTTTA CAAAAATTTA AAAAAAATGA AGCGAAGGAA GTGCTGAGAA

837' TAGTCATCAG GT-GGGC-TT CTAACAGGAA AAGGTCTCAG GGCCTACGGC AAAATTCGGA

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

141" TAGTCATCAG GTGGGGCTTT CTAACAGGAA AAGGTCTCAG GGCCTACGGC AAAATTCGGA

895' -GGGGGGGTT ACGGAAAGGA CAGGGTGGAT TA-GGCCATG GTGACTTGA GAGAGGAGGC

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

201" GGGGGGGGTT ACGGAAAGGA CAGGGTGGAT TAGGGCCATG GTGACTTGA GAGAGGAGGC

953' ACGACTGGCC ATTTTCCTG AGTCTGAAA AAGCAGCCTA GTACAAGAAG CTCCTTCGAG

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

261" ACGACTGGCC ATTTTCCTG AGTCTGAAA AAGCAGCCTA GTACAAGAAG CTCCTTCGAG

1013' CGACCTCCTT AAAATACACT TACCTGGTCT ACGTCGTCG CCATGTTTCA AACCTGCGC

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

321" CGACCTCCTT AAAATACACT TACCTGGTCT ACGTCGTCG CCATGTTTCA AACCTGCGC

1073' CCTTCCCGC CTCTCGGAG AACACAAGAG CAACGTCAAT CTCCGAAAC GTGAGGATAC

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

381" CCTTCCCGC CTCTCGGAG AACACAAGAG CAACGTCAAT CTCCGAAAC GTGAGGATAC



1133' AATACACCGG AAATAGAGAG AACCTGTTG TGCTCTTTCC TGCTCCCGC AGTTTTTTAG

 441" AATACACCGG AAATAGAGAG AACCTGTTG TGCTCTTTCC TGCTCCCGC AGTTTTTTAG

1193' TGGCCACGGG TATGGGGTGG AGCTTCCTTT AGGGGCGTGA CTAGGCCTCC AACGAAGGGG

 501" TGGCCACGGG TATGGGGTGG AGCTTCCTTT AGGGGCGTGA CTAGGCCTCC AACGAAGGGG

1253' CGTGGCCAAG CGCACCGCCT CGGGGCGGGG CCGGCGTTCT AGCGCATCGC GGCCGGGTGC

 561" CGTGGCCAAG CGCACCGCCT CGGGGCGGGG CCGGCGTTCT AGCGCATCGC GGCCGGGTGC

1313' GTCACTCGCG AAGTGAATT TGCCAGACA ATCAAGATCT GGCCTCGGCG GCCAAGCTTG

 621" GTCACTCGCC AAGTGAATT TGCCAGACA ATCAAGATCT GGCCTCGGCG GCCAAGCTTG

1373' GCAATCCGGT ACTGTTGGTA AAGCCACCAT GGAAGATGCC AAAAACATTA AGAAGGGCCC

 681" GCAATCCGGT ACTGTTGGTA AAGCCACCAT GGAAGATGCC AAAAACATTA AGAA