



Posi.: pGL3 Control Vector
(SV40 promoter)

Nega.: Empty Vector

TF: pGL4-phTF (RDB# 7540)

APOB : pGL4-ph APOB (RDB# 7527)

APP : pGL4-ph APP(RDB# 7692)

[GENETYX : Nucleotide Sequence Homology Data]

Date : 2009.11.05

1st Nucleotide Sequence

File Name : Reference Seq. GNU
Sequence Size : 5748

2nd Nucleotide Sequence

File Name : RDB7540F.fasta
Sequence Size : 795

Unit Size to Compare = 1
Pick up Location = 1

[97.229% / 794 bp] INT/OPT. Score : < 401/ 2874 >

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1'          GGCCT AACTGGCCGG TACCTGAGCT CGCTAGCCTC GAGGATTGGG
          *****
1" CCAGAACATT TCTCTGGCCT AACTGGCCGG TACCTGAGCT CGCTAGCCTC GAGGATTGGG

46' GTTCACCTCA CAATGCTAAA GGTGAAAAGG GGAGTGCCGA CCCTGCNCCT TTGTTTTGGC
          *****
61" GTTCACCTCA CAATGCTAAA GGTGAAAAGG GGAGTGCCGA CCCTGC-CCT TTGTTTTGGC

106' ATTTTATTT CCATACTTTG TGGTTTGTAT GTGCCANGT TAAACGGATG TACAGATTAG
          *****
120" ATTTTATTT CCATACTTTG TGGTTTGTAT GTGCCA-GT TAAACGGATG TACAGATTAG

166' ATAATCTGGC TTTAACTCCA ACCTTCACNG AGATGCACAC ATGCCTTAAA AAGATTCTTA
          *****
179" ATAATCTGGC TTTAACTCCA ACCTTCAC-G AGATGCACAC ATGCCTTAAA AAGATTCTTA

226' CAAAGAACT AGAATTAGGN AGACAATTCT GACAACACAA AAACAAGTGA ACAAAAATCA
          *****
238" CAAAGAACT AGAATTAGG- AGACAATTCT GACAACACAA AAACAAGTGA ACAAAAATCA
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286' AATGACTGAC NCTGACGTGT CCACTAGGCT TGATATGAGC TTGGTCAACT AAAACATGAG

 297'' AATGACTGAC -CTGACGTGT CCACTAGGCT TGATATGAGC TTGGTCAACT AAAACATGAG

 346' ANCAGAATGA ATGACCATCT GGTCAGGTTG GATAAGAAGT AACTTTTGGC AANAATCTCT
 * *****
 356'' A-CAGAATGA ATGACCATCT GGTCAGGTTG GATAAGAAGT AACTTTTGGC AA-AATCTCT

 406' GAAGTCTGGA TTTACACTTC GTGGAAGGAA TCTTGACCTT TCCNCCAAGT ATATTATGCC

 414'' GAAGTCTGGA TTTACACTTC GTGGAAGGAA TCTTGACCTT TCC-CCAAGT ATATTATGCC

 466' TTGAGATAAT AATCCTGTAT AAGGCCGCAT AAGCNAAAAC GACATTTGAA AATGAGTTTC

 473'' TTGAGATAAT AATCCTGTAT AAGGCCGCAT AAGC-AAAAC GACATTTGAA AATGAGTTTC

 526' ATCTTTAGCT CATCCTTTTA CAAATNTTCT ATTCCTTGTG CATGATTGAA GTGTACACAT

 532'' ATCTTTAGCT CATCCTTTTA CAAAT-TTCT ATTCCTTGTG CATGATTGAA GTGTACACAT

 586' TTTTGTAGTTA AAATATNAAG CATATAGAAG GCACAAGTTC AATATTTTTC ATGATAAGGA

 591'' TTTTGTAGTTA AAATAT-AAG CATATAGAAG GCACAAGTTC AATATTTTTC ATGATAAGGA

 646' TGTGTAANTT AAACCTGGTTA GGAGACTCAT CGACTAGAGG GGGACATGGT GGCCCCAGNG

 650'' TGTGTAA-TT AAACCTGGTTA GGAGACTCAT CGACTAGAGG GGGACATGGT GGGCCCCAG-G

 706' CTGTAAGAAC AGGCCACACC GTCCACTGGG CCGCTTGCTT TGTGCTAAGN ATGACACTTT

 708'' CTGTAAGAAC AGGCCACACC GTCCACTGGG CCGCTTGCTT TGTGCTAAG- ATGACACTTT

 766' G-TTCTGAG- CCTCACAGTG -TCTTGACCA TGTTCTGGA ACCNTTCTTG TTGGAGGGAG
 * *****
 767'' GTTTCTGAGC CCTCCAGGTG TTCTTGACC

1st Nucleotide Sequence

File Name : Reference Seq. GNU
Sequence Size : 5748

2nd Nucleotide Sequence

File Name : RDB7540R.fasta (Complementary)
Sequence Size : 767

Unit Size to Compare = 1
Pick up Location = 1

[97.051% / 780 bp] INT/OPT. Score : < 645/ 2848 >

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841' TCTGTCCCTA GTCTAANGGT GTCCACAGG AAGCTTGAGG GCGGGAAGTT TTCCAGCCCA
      * **** *.*** *****. ** * ***** ***** *****
1''   A GTCT-AGGGT GTCCACNNGG AGGCTTGAGG GCGGGAAGTT TTCCAGCCCA

901' GGAGCCTNGA GCTCAGCGGG GCAGGAAGAG GGAGCAGCTC CTCCGTGGGG GACCTTTGNA
      ***** * ** ***** ***** ***** ***** *** **** *
51'' GGAGCGT-GA GCTCAGCGGG GCAGGAAGAG GGAGCAGCTC GTCCGTGGGG GACGTTTGA-

961' GAGC-CCAGG AGCAGGATTT CGAGGGACAC CTGGTGGGGA GCAAAGGTG NCTGAGTCTG
      **** **** ***** * ***** ***** ***** ***** *****
109'' GAGCGGCAGG AGCAGGATGT CGAGGTACAC CTGGTGGGGA GCAAAGGTG -CTGAGTCTG

1020' TCTTTGACCT TGAGCCAGC TTGTTTCTCC TGCATCCTCC CNCCAAAAGG GGCTTTGCCT
      ***** ***** ***** ***** * ***** *****
168'' TCTTTGACCT TGAGCCAGC TTGTTTCTCC TGCATCCTCC C-CCAAAAGG GGCTTTGCCT

1080' GTCATTCTGC AGTTCTAGTG TGGGTCTGG GCNCGAGTTC TTTCCCTCT CCAGCCTCGG
      ***** ***** ***** ** ***** ***** *****
227'' GTCATTCTGC AGTTCTAGTG TGGGTCTGG GC-GCAGTTC TTTCCCTCT CCAGCCTCGG

1140' AGTCTTCCTC TGTGGACTGC GCANGATAGG ACTGGTGGCA CGGACCAGCT CTGCAGCCCT
      ***** ***** *** ***** ***** ***** *****
286'' AGTCTTCCTC TGTGGACTGC GCA-GATAGG ACTGGTGGCA CGGACCAGCT CTGCAGCCCT
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1200' GGAGTCAGGA GCAGNAGCCC CCCGGCTCCC AGCCCGCCGT AGCCGCTCCT GGCACCGAGC

 345" GGAGTCAGGA GCAG-AGCCC CCCGGCTCCC AGCCCGCCGT AGCCGCTCCT GGCACCGAGC

 1260' GAGCCNGCGA TGACAATGGC TGCATTGTGC TTCATGTCCC TTCCCATCAA CATTTCNTGT

 404" GAGCC-GCGA TGACAATGGC TGCATTGTGC TTCATGTCCC TTCCCATCAA CATTTC-TGT

 1320' GCTGGA CTCC TTCCACTCGC GGGTCGTCTC CAGAGCTCAG AAAATGANGG TGATCAGTGG

 462" GCTGGA CTCC TTCCACTCGC GGGTCGTCTC CAGAGCTCAG AAAATGA-GG TGATCAGTGG

 1380' GACGAGTAAG GAAGGGGGGT TGGGAGAGGG GCGATTGGNG CAACCCGGCT GCACAAACAC

 521" GACGAGTAAG GAAGGGGGGT TGGGAGAGGG GCGATTGG-G CAACCCGGCT GCACAAACAC

 1440' GGGAGGTCAA AGATTGCGCC CAGCCCGCCN CAGGCCGGGA ATGGAATAAA GGGACGCGGG

 580" GGGAGGTCAA AGATTGCGCC CAGCCCGCC- CAGGCCGGGA ATGGAATAAA GGGACGCGGG

 1500' GCGCCGGAGG CTGCACAGAA GCGAGTCCGA CTGTGCTCGC TGCTCAGCAT CAAGATCTGG

 639" GCGCCGGAGG CTGCACAGAA GCGAGTCCGA CTGTGCTCGC TGCTCAGCAT CAAGATCTGG

 1560' CCTCGGCGGC CAAGCTTGGC AATCCGGTAC TGTTGGTAAA GCCACCATGG AAGATGCCAA

 699" CCTCGGCGGC CAAGCTTGGC AATCCGGTAC TGTTGGTAAA GCCACCATGG AAGATGCCAA

 1620' AAACATTAAG AAGGGCCAG CGCCATTCTA CCCACTCGAA GACGGGACCG CCGGCGAGCA

 759" AAACATTA