



Posi.: pGL3 Control Vector  
(SV40 promoter)

Nega.: Empty Vector

APAF1: pGL4-phAPAF1 (RDB# 7316)

GADD45A: pGL4-phGADD45A (RDB# 7320)

MKI67: pGL4-phMKI67 (RDB# 7323)

**TP53: pGL4-phTP53 (RDB#7330)**

[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.03.02

1st Nucleotide Sequence

File Name : Reference Seq.gnu  
Sequence Size : 5429

2nd Nucleotide Sequence

File Name : RDB7330F.fasta  
Sequence Size : 716

Unit Size to Compare = 1  
Pick up Location = 1

[99.138% / 696 bp] INT/OPT.Score : < 2748/ 2748 >

```
1'          GGCCTAACTG GCCGGTACCT GAGCTCGCTA GCCTCGAGGA
          *****
1" AGGTGCCAGA ACATTCTCT GGCCTAACTG GCCGGTACCT GAGCTCGCTA GCCTCGAGGA

41' TGACAGCAGT CCGGAGCTAA CGGTTGAGTC TCCAAAGTCT TCATACTGCA GAGGAAGCAC
          *****
61" TGACAGCAGT CCGGAGCTAA CGGTTGAGTC TCCAAAGTCT TCATACTGCA GAGGAAGCAC

101' AGCGGAGATT AGCCTCAGCC AGGATGGCTT CGAAGTTCTC AGGGATCCGA CGCAGAGCTA
          *****
121" AGCGGAGATT AGCCTCAGCC AGGATGGCTT CGAAGTTCTC AGGGATCCGA CGCAGAGCTA

161' AAGAAACCCA CCTGTGCTTC CCTCCTCTTC TGGGAGTAGG CAGAAGACTC CCGGGAGGAG
          *****
181" AAGAAACCCA CCTGTGCTTC CCTCCTCTTC TGGGAGTAGG CAGAAGACTC CCGGGAGGAG

221' AGGCGAACAG CGGACGCCAA TTCTTTTGAA AGCACTGTGT TCCTTAGCAC CGCGGGTCGC
          *****
241" AGGCGAACAG CGGACGCCAA TTCTTTTGAA AGCACTGTGT TCCTTAGCAC CGCGGGTCGC
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281' TACGGGCCTC TTGCTGTGCG GGGATTTTCGG TCCACCTTCC GATTGGGCCG CCGCATCCCG
*****
301" TACGGGCCTC TTGCTGTGCG GGGATTTTCGG TCCACCTTCC GATTGGGCCG CCGCATCCCG

341' GATCAGATTT CGCGGGCGAC CCACGGAACC CGCGGAGCCG GGACGTGAAA GGTTAGAAGG
*****
361" GATCAGATTT CGCGGGCGAC CCACGGAACC CGCGGAGCCG GGACGTGAAA GGTTAGAAGG

401' TTTCCCGTTC CCATCAAGCC CTAGGGCTCC TCGTGGCTGC TGGGAGTTGT AGTCTGAACG
*****
421" TTTCCCGTTC CCATCAAGCC CTAGGGCTCC TCGTGGCTGC TGGGAGTTGT AGTCTGAACG

461' CTTCTATCTT GGCGAGAAGC GCCTACGCTC CCCCTACCGA GTCCCGCGGT AATTCTTAAA
*****
481" CTTCTATCTT GGCGAGAAGC GCCTACGCTC CCCCTACCGA GTCCCGCGGT AATTCTTAAA

521' GCACCTGCAC CGCCCCCCCG CCGCCTGCAG AGGGCGCAGC AGGTCTTGCA CCTCTTCTGC
*****
541" GCACCTGCAC CGCCCCCCCG CCGCCTGCAG AGGGCGCAGC AGGTCTTGCA CCTCTTCTGC

581' ATCTCATTCT CCAGGCTTCA GACCTGTCTC CCTCATTCAA AAAATATTTA TTATCGAGCT
*****
601" ATCTCATTCT CCAGGCTTCA GACCTGTCTC CCTCATTCAA AAAATATTTA TTATCGAGCT

641' CTTACTTGCT ACCCAGCACT GATATAGGCA CTCAGGAATA CAACAATGAA TAAGATAGTA
* *****
661" CCTACTTGCT ACCCCGCACT GATATAGGCC CTCAGGAATA CCACATTGAA TTAGAT

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1st Nucleotide Sequence

File Name : Reference Seq. gnu  
Sequence Size : 5429

2nd Nucleotide Sequence

File Name : RDB7330R.fasta (Complementary)  
Sequence Size : 718





1019' TTCCACCCCA AAATGTTAGT ATCTACGGCA CCAGGTCGGC GAGAATCCTG ACTCTGCACC  
 \*\*\*\*\*  
 421" TTCCACCCCA AAATGTTAGT ATCTACGGCA CCAGGTCGGC GAGAATCCTG ACTCTGCACC  
  
 1079' CTCCTCCCA ACTCCATTTC CTTTGCTTCC TCCGGCAGGC GGATTACTTG CCCTTACTTG  
 \*\*\*\*\*  
 481" CTCCTCCCA ACTCCATTTC CTTTGCTTCC TCCGGCAGGC GGATTACTTG CCCTTACTTG  
  
 1139' TCATGGCGAC TGTCCAGCTT TGTGCCAGGA GCCTCGCAGG GGTGATGGG ATTGGGGTTT  
 \*\*\*\*\*  
 541" TCATGGCGAC TGTCCAGCTT TGTGCCAGGA GCCTCGCAGG GGTGATGGG ATTGGGGTTT  
  
 1199' TCCCCTCCCA TGTGCTCAAG ACTGGCGTA ATCAAGATCT GGCCTCGGCG GCCAAGCTTG  
 \*\*\*\*\*  
 601" TCCCCTCCCA TGTGCTCAAG ACTGGCGTA ATCAAGATCT GGCCTCGGCG GCCAAGCTTG  
  
 1259' GCAATCCGGT ACTGTTGGTA AAGC-CACCA TGGAAGATG- -CCAAAAACA TTAAGAAGGG  
 \*\*\*\*\*  
 661" GCAATCCGGT ACTGTTGGTA AAGCACACCA TGGAAGATGT TCCAAAAACA TTAAGAAG