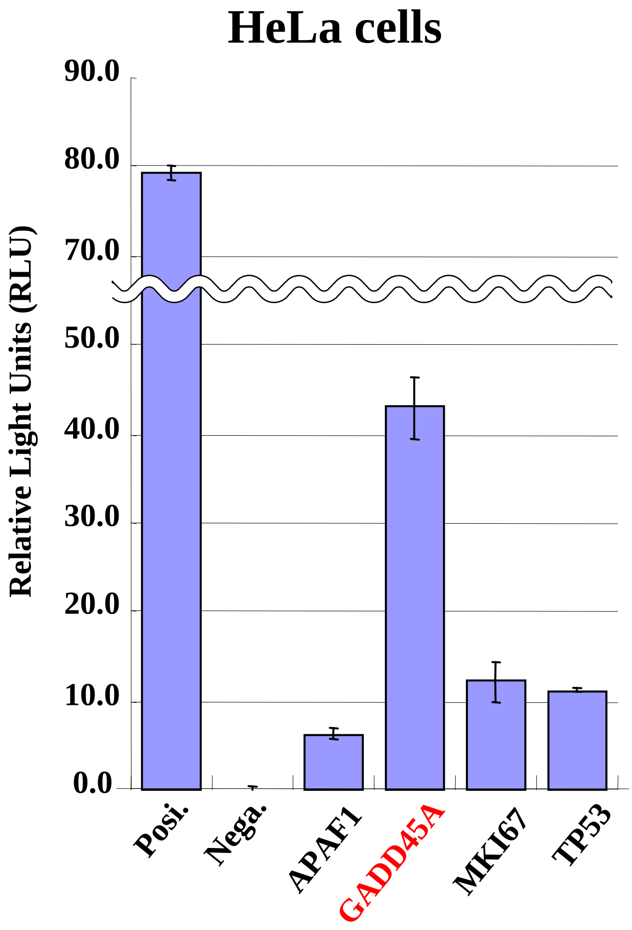
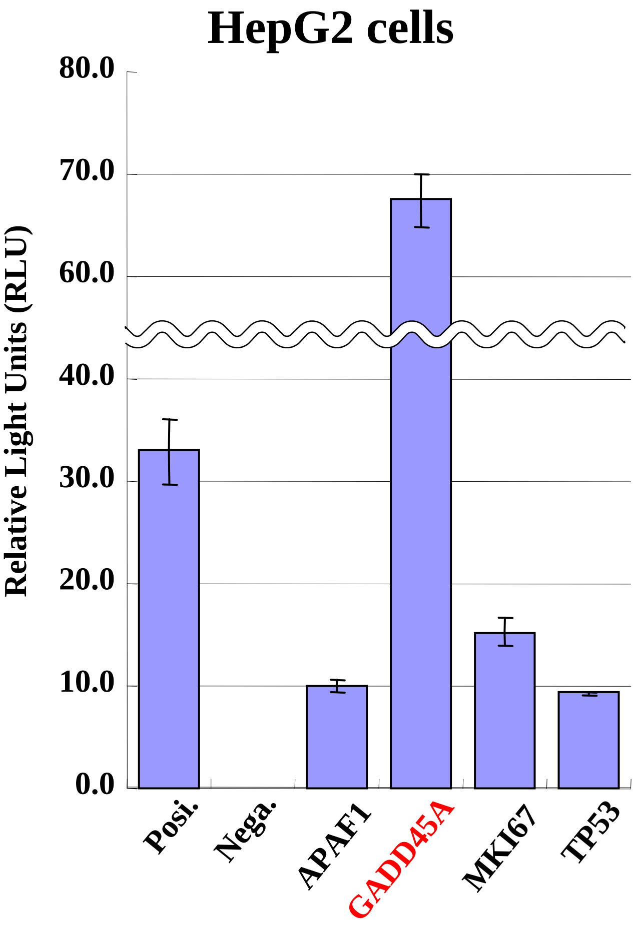
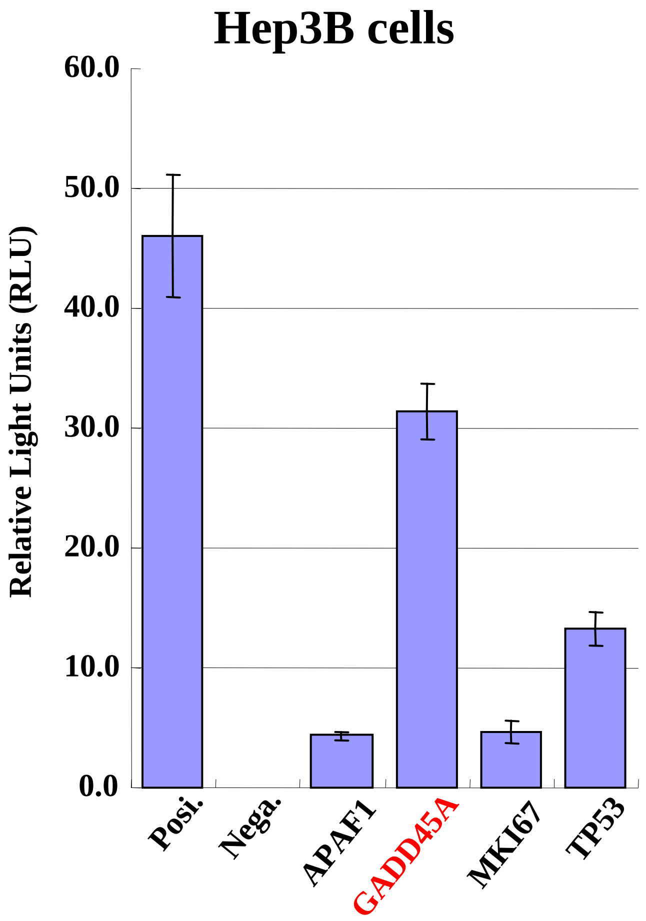
The Promoter Activities of Reporter Constructs







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)

2009, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.03.01

1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5467

2nd Nucleotide Sequence
  File Name        : RDB7320F.fasta
  Sequence Size    : 720

  Unit Size to Compare = 1
  Pick up Location     = 1



[98.138% / 698 bp]     INT/OPT.Score : <    2392/   2617 >

    1’                    GG CCTAACTG-G CCGGTACCTG AGCTCGCTAG CCTCGAGGAT
                          ** ******** * ********** ********** **********
    1″ GTGCCAGAAC ATTTCTCTGG CCTAACTGTG CCGGTACCTG AGCTCGCTAG CCTCGAGGAT

   42’ CAAAGGAAGG GACTTTTGAA CTACTCAGTG AGAGTCTATA TATTAAAGTT TGTTTTTCAA
       ********** ********** ********** ********** ********** **********
   61″ CAAAGGAAGG GACTTTTGAA CTACTCAGTG AGAGTCTATA TATTAAAGTT TGTTTTTCAA

  102’ AAATGTGTAA CTACCATTTG CAGTTTTAAA GGTCTGCTTT CCACCTACAA GTTGCCATTA
       ********** ********** ********** ********** ********** **********
  121″ AAATGTGTAA CTACCATTTG CAGTTTTAAA GGTCTGCTTT CCACCTACAA GTTGCCATTA

  162’ TCTCAAAGGT GAAATTTTAG CATATGACTA AAAACTTCCT ATAGTTACAG CTTCATGATT
       ********** ********** ********** ********** ********** **********
  181″ TCTCAAAGGT GAAATTTTAG CATATGACTA AAAACTTCCT ATAGTTACAG CTTCATGATT

  222’ CAGCATCTAA CATCAATAAT TCACAGTGAG ATCATAGGAG GCTCTCTGTG GAAGGTAACG
       ********** ********** ********** ********** ********** **********
  241″ CAGCATCTAA CATCAATAAT TCACAGTGAG ATCATAGGAG GCTCTCTGTG GAAGGTAACG
```

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282’ ACATACATAC GTTAGGAAAG GAAGCTTAGG GCATATCGAG AGCATTTTGA ATTTAGACTT
     ********** ********** ********** ********** ********** **********
301″ ACATACATAC GTTAGGAAAG GAAGCTTAGG GCATATCGAG AGCATTTTGA ATTTAGACTT

342’ GTGGGCTGTG TGGGTGTCAG ATGGTTGTCT CTCAGCTGGT GGGCGTCCAG AAGGATCCTT
     ********** ********** ********** ********** ********** **********
361″ GTGGGCTGTG TGGGTGTCAG ATGGTTGTCT CTCAGCTGGT GGGCGTCCAG AAGGATCCTT

402’ GTTTGGGCAA GGCTCTTTGA GAAAGGAGAA TCTGGGTTGC CAGGGATTCC CACATGTGGT
     ********** ********** ********** ********** ********** **********
421″ GTTTGGGCAA GGCTCTTTGA GAAAGGAGAA TCTGGGTTGC CAGGGATTCC CACATGTGGT

462’ CACCAGCTCC CCACGCAGAC CAGCTCACGA TTTCCCAGTT ACACCGGGCA GGTGGGAAAC
     ********** ********** ********** ********** ********** **********
481″ CACCAGCTCC CCACGCAGAC CAGCTCACGA TTTCCCAGTT ACACCGGGCA GGTGGGAAAC

522’ CGTTCTGCTT TCTGTGGAAA AGATTCTAAC TTGGTTCCCT GCCATCCCTG AATACAAACG
     **** ***** ********** ********** ********** ********** **********
541″ CGTTATGCTT TCTGTGGAAA AGATTCTAAC TTGGTTCCCT GCCATCCCTG AATACAAACG

582’ GGTTGGTTTT TCTTTTTTCA GCTTCC-AAC CCTTGCAG-C TTTCCAAAAA TAAATCAAA-
     ********** ********** ** *** *** ******** * ********** *********
601″ GGTTGGTTTT TCTTTTTTCA GCCTCCAAAC CCTTGCAGCC TTTCCAAAAA TAAATCAAAC

639’ CCAG-CCATC A-GGGCACCG -AAATAATAC TAC-TGCTAA -TAAGCAGC- TTCGCCTAGA
     **** ***** * ********  ********* *** ***.**  ********   ******
661″ CCAGCCCATC AGGGGCACCG AAAATAATAC TACTTGCNAA TTAAGCAGCT TTCGCCCTAA
```

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1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5467

2nd Nucleotide Sequence
  File Name        : RDB7320R.fasta (Complementary)
  Sequence Size    : 695
```

```
Unit Size to Compare = 1
Pick up Location     = 1



[97.986% / 695 bp]     INT/OPT.Score : <   1986/  2616 >

  661' AATACTA-CT GCTAAT-AAG CAGCTTC-GC CTAGACTTA- GATAAACAAC ACTTCTGAGG
          **** ** * **** *** ******* ** ****** **  ********** **********
    1″    ACTACCT GGTAATAAAG CAGCTTCGGC CTAGACCTAG GATAAACAAC ACTTCTGAGG

  717' TAAACTTTGC CCCGGAGGTC TGGAGACACT TTTTTAATGT AACCTGCTTA CTAATAATTA
       * ******** ********** **** ***** ******* ** ********** **********
   58″ TTAACTTTGC CCCGGAGGTC TGGAAACACT TTTTTAAGGT AACCTGCTTA CTAATAATTA

  777' CTAGACTTCA GTGCA-TTAA CCCT-GGAAA TAGATTTTAA TAGCCACCCC -TTAAAACAA
       ********** ***** **** **** ***** ********** **********  *********
  118″ CTAGACTTCA GTGCATTTAA CCCTGGGAAA TAGATTTTAA TAGCCACCCC TTTAAAACAA

  834' AAGACATGAA AAGATAATAA GAAAAAAGTG CCGCAACTAT TATAGAAAAA CACTTGGCAG
       ********** ********** ********** ********** ********** **********
  178″ AAGACATGAA AAGATAATAA GAAAAAAGTG CCGCAACTAT TATAGAAAAA CACTTGGCAG

  894' CCTGCTTCAG CCCAAGCTGA GGCCACCTCT AGCCTCTGCT AAAGCCCCCC ACTCCCAATG
       ********** ********** ********** ********** ********** **********
  238″ CCTGCTTCAG CCCAAGCTGA GGCCACCTCT AGCCTCTGCT AAAGCCCCCC ACTCCCAATG

  954' GTCCCCGCCA ACCGGATAAG AGTGCGCGCG GGACCCGCCT TCCCCTCTCG GCACCGCCCC
       ********** ********** ********** ********** ******** * **********
  298″ GTCCCCGCCA ACCGGATAAG AGTGCGCGCG GGACCCGCCT TCCCCTCTAG GCACCGCCCC

 1014' CGCCCCCGCC CCCTCGGCTC GCCTCCCGCG TGGCTCCTCC CTTTTCCGCT CCTCTCAACC
       ********** ********** ********** ********** ********** **********
  358″ CGCCCCCGCC CCCTCGGCTC GCCTCCCGCG TGGCTCCTCC CTTTTCCGCT CCTCTCAACC

 1074' TGACTCCAGG AGCTGGGGTC AAATTGCTGG AGCAGGCTGA TTTGCATAGC CCAATGGCCA
       ********** ********** ********** ********** ********** **********
  418″ TGACTCCAGG AGCTGGGGTC AAATTGCTGG AGCAGGCTGA TTTGCATAGC CCAATGGCCA
```

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1134’ AGCTGCATGC AAATGAGGCG GAAGGTGGTT GGCTGAGGGT TGGCAGGATA ACCCCGGAGA
      ********** ********** ********** ********** ********** **********
 478″ AGCTGCATGC AAATGAGGCG GAAGGTGGTT GGCTGAGGGT TGGCAGGATA ACCCCGGAGA

1194’ GCGGGGCCCT TTGTCCTCCA GTGGCTGGTA GGCAGTGGCT GGGAGGCAGC GGCCCAATTA
      ********** ********** ********** ********** ********** **********
 538″ GCGGGGCCCT TTGTCCTCCA GTGGCTGGTA GGCAGTGGCT GGGAGGCAGC GGCCCAATTA

1254’ GTGTCGTGCG GCCATCAAGA TCTGGCCTCG GCGGCCAAGC TTGGCAATCC GGTACTGTTG
      ********** ********** ********** ********** ********** **********
 598″ GTGTCGTGCG GCCATCAAGA TCTGGCCTCG GCGGCCAAGC TTGGCAATCC GGTACTGTTG

1314’ GTAAAG-CCA CCATGGAAGA TGCCAAAAAC ATTAAGAAGG GCCCAGCGCC ATTCTACCCA
      ****** *** ********** ********** ********
 658″ GTAAAGACCA CCATGGAAGA TGCCAAAAAC ATTAAGAA
```