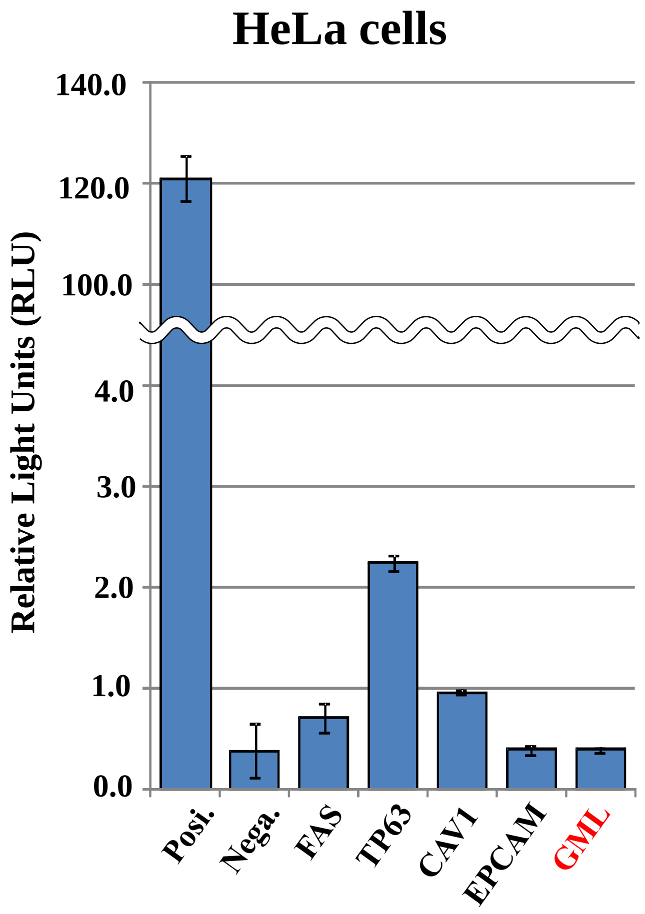
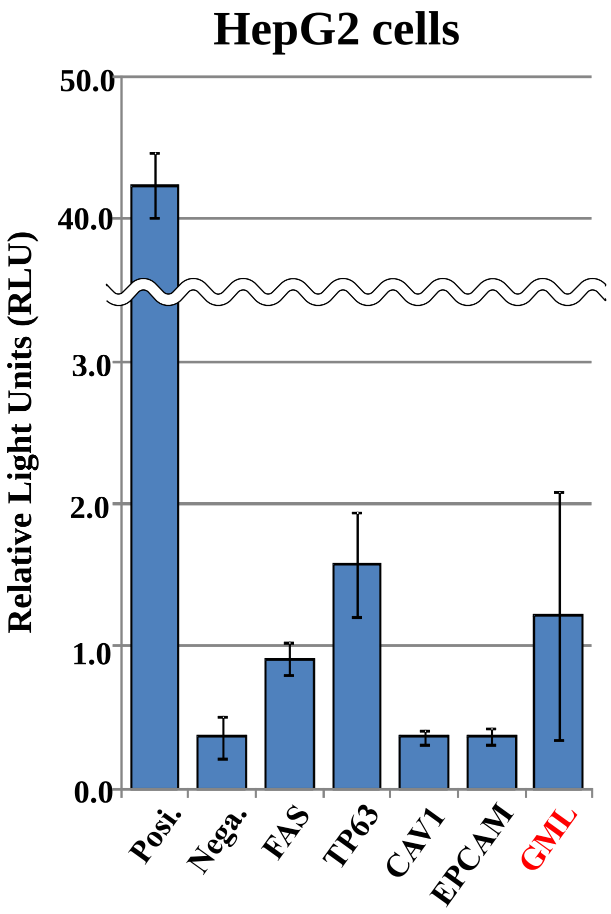
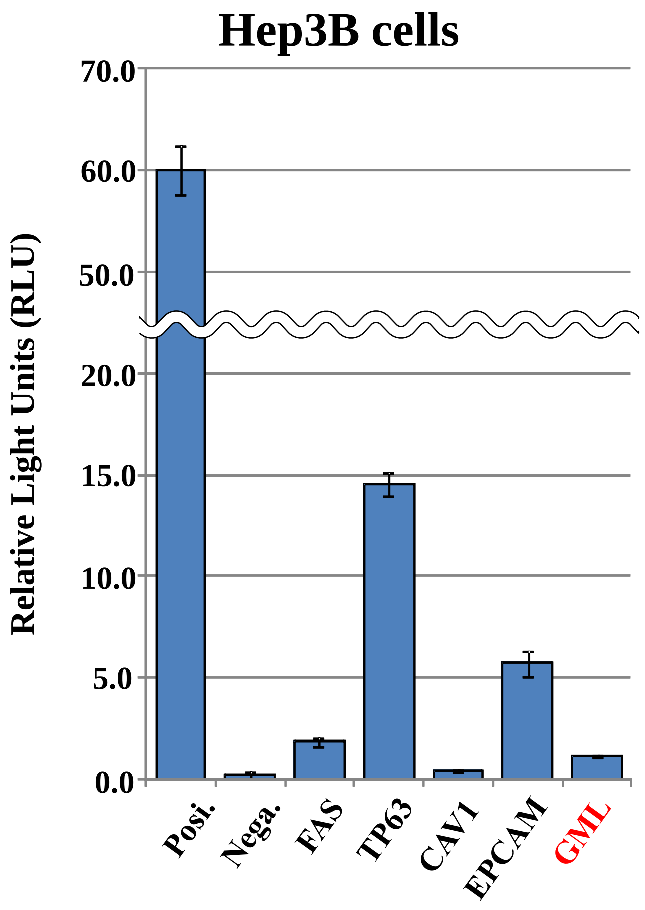
The Promoter Activities of Reporter Constructs







Posi.: pGL3 Control Vector
(SV40 promoter)
Nega.: Empty Vector

FAS: pGL4-phFAS (RDB# 7349)
TP63: pGL4-phTP63 (RDB# 7350)
CAV1: pGL4-phCAV1 (RDB# 7364)
EPCAM: pGL4-phEPCAM (RDB#7367)
GML: pGL4-phGML (RDB# 7371)

2009, DNA Bank, RIKEN BioResource Center

```
[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.03.02

1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5550

2nd Nucleotide Sequence
  File Name        : RDB7371F.fasta
  Sequence Size    : 752

  Unit Size to Compare = 1
  Pick up Location     = 1



[96.721% / 732 bp]     INT/OPT.Score : <   2201/  2673 >

     1'                   GGC CTAACTGGCC GGTACCTGAG CTCGCTAGCC TCGAGGATTG
                          *** ********** ********** ********** ******* **
     1″ CAGAACATTG TCTCTTGGGC CTAACTGGCC GGTACCTGAG CTCGCTAGCC TCGAGGAATG

    44' --CTGAAACT GTCTGCGGTA ACCTGAAACC AGTTTTATCT GA-TGGCTAC TGAGACCACC
          ******** ********** ********** ********** ** ******* **********
    61″ TGCTGAAACT GTCTGCGGTA ACCTGAAACC AGTTTTATCT GATTGGCTAC TGAGACCACC

   101' TGCTGCAACT CTAAGCCTCG GTTCACCCAC TGCCGTCACT GATTCACTCA TCAACCAGAG
        ********** ********** ********** ********** ********** **********
   121″ TGCTGCAACT CTAAGCCTCG GTTCACCCAC TGCCGTCACT GATTCACTCA TCAACCAGAG

   161' CTTGCCAGCT CCCCAAAATC CTACTAGTGC CAATGAAACT CAGACAGCAA TATGTACTAT
        ********** ********** ********** ********** ********** **********
   181″ CTTGCCAGCT CCCCAAAATC CTACTAGTGC CAATGAAACT CAGACAGCAA TATGTACTAT

   221' TTCTCTTCTT TATAAAAAAG AGACATAGTT CCTTTTTTTT TGAGACAGAG ACTTGATTTG
        ********** ********** ********** ********** ********** **********
   241″ TTCTCTTCTT TATAAAAAAG AGACATAGTT CCTTTTTTTT TGAGACAGAG ACTTGATTTG
```

```
281’ TCCTGCAGGT TGGAGCACAA TGGCACGATC TCGGCTCACT ACAACCTCCA CCTCCTGGGA
     ********** ********** ********** ********** ********** ***** ****
301″ TCCTGCAGGT TGGAGCACAA TGGCACGATC TCGGCTCACT ACAACCTCCA CCTCCCGGGA

341’ TCAAGGGATT CTCCTGCCTC AGCCTCCTGA GTAGCTGGGA CTACAGGCAC ACACCACCAC
     ********** ********** ********** ********** ********** **********
361″ TCAAGGGATT CTCCTGCCTC AGCCTCCTGA GTAGCTGGGA CTACAGGCAC ACACCACCAC

401’ ACCCAGCTAA TTTTTGTATT TTTAGTAGAG ACGGGGTTTC ACCATGTTGA TCACTCTGGT
     ********** ********** ********** ********** ********** **********
421″ ACCCAGCTAA TTTTTGTATT TTTAGTAGAG ACGGGGTTTC ACCATGTTGA TCACTCTGGT

461’ CTTGAACTCC TGACCTCAAA TGATCTGCCC GCCTCAGCCT CCCAAAATGC TGGGATTACA
     ********** ********** ********** ********** ********** **********
481″ CTTGAACTCC TGACCTCAAA TGATCTGCCC GCCTCAGCCT CCCAAAATGC TGGGATTACA

521’ GGTGTAAGCC ACCGCGAATT TAAAAAAGCC TTTTCTTTGT TCTTTGGACA TACTGAAGGC
     ********** ********** ********** ****** *** *** ****** *********
541″ GGTGTAAGCC ACCGCGAATT TAAAAAAGCC TTTTCTATGT TCTATGGACA TACTGAAGGG

581’ CAGCCAGTCT GCCCCCGTGC CCCTAATTGC AGTTATTTCC TCCCAAATAA AACATTTCAA
     ********** ********** ********** ******** * *** ****** ****.*****
601″ CAGCCAGTCT GCCCCCGTGC CCCTAATTGC AGTTATTTAC TCCAAAATAA AACANTTCAA

641’ -TTTCAGAAA TTCA-CCTAT TTTATA-TGA C-TTCGACAA GAG-CCAAGC CACAC-TGTG
      ********* **** ***** ****** *** * ******** *** ******   *** ****
661″ TTTTCAGAAA TTCACCCTAT TTTATATTGA CTTTCGACAA GAGCCCAAGC ACCACTTGTG

695’ -TAGG-AGAT GCTC--GGGT GAAGCCAGCT GTCCCTGGCC ACACACAGCT TGAAGGCAAA
      **** * ** ****  **** *********
721″ TTAGGAAAAT GCTCAGGGGT GAAGCCAGCC CT
```

```
1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5550
```

```
2nd Nucleotide Sequence
  File Name        : RDB7371R.fasta (Complementary)
  Sequence Size    : 752

  Unit Size to Compare = 1
  Pick up Location     = 1



[98.939% / 754 bp]     INT/OPT.Score : <   2674/  2928 >

  661’ TATATGACTT CGACAAGAGC CAAGCCACA- CTGTGTAGGA GATGCTCGGG TGAAGCCAGC
                      * * ** *********  ********** ********** **********
    1″                    AGGGGC CAAGCCACAC CTGTGTAGGA GATGCTCGGG TGAAGCCAGC

  720’ TGTCCCTGGC CACACACAGC TTGAAGGCAA AATGGCAGGA GCTCAAGCGA AAGCCAGGCA
       ******* ** ********** *** ****** ********** ********** **********
   47″ TGTCCCT-GC CACACACAGC TTG-AGGCAA AATGGCAGGA GCTCAAGCGA AAGCCAGGCA

  780’ GGTCTCCCCC TGAAACCTCT GCACAGGTGG GCGCTGGCGG GGCTGAAGGG CAAGGGCACC
       * ******** ********** ********** ********** ********** **********
  105″ GTTCTCCCCC TGAAACCTCT GCACAGGTGG GCGCTGGCGG GGCTGAAGGG CAAGGGCACC

  840’ GCTCAAGCTG GCTTTGGTCA GGGTTAGGGA CAGGGCCGGC TCCAGAGGCG ACGGGGTCGC
       ********** ********** ********** ********** ********** **********
  165″ GCTCAAGCTG GCTTTGGTCA GGGTTAGGGA CAGGGCCGGC TCCAGAGGCG ACGGGGTCGC

  900’ ACCCTGAGCG GAGGGGCTCC CGGGGTCCCC AGGGGTTATG GTGATGGCGG GACCCCCTAG
       ********** ********** ********** ********** ********** **********
  225″ ACCCTGAGCG GAGGGGCTCC CGGGGTCCCC AGGGGTTATG GTGATGGCGG GACCCCCTAG

  960’ AGGGAGGGTC CAGGAACGAG GCAGGTGGAC TGGGACCTTG AGGGCAGGGT GGGCCTGGGC
       ********** ********** ********** ********** ********** **********
  285″ AGGGAGGGTC CAGGAACGAG GCAGGTGGAC TGGGACCTTG AGGGCAGGGT GGGCCTGGGC

 1020’ GGTGCCAACA GGCTGCCGAG GGTGGCTGCT GTCCCGTTTC TCCAGCAGCC AGGGCCGTGC
       ********** ********** ********** ********** ********** **********
  345″ GGTGCCAACA GGCTGCCGAG GGTGGCTGCT GTCCCGTTTC TCCAGCAGCC AGGGCCGTGC
```

```
1080' GCTTCTAGAA CATTCCCCGT GGCTTTCCTA AAGGGAGCGT GGATGGAGCC AGGGTGTGCA
      ********** ********** ********** ********** ********** **********
 405″ GCTTCTAGAA CATTCCCCGT GGCTTTCCTA AAGGGAGCGT GGATGGAGCC AGGGTGTGCA

1140' GATTTCTGTG AGAAATATTT TCACCTGGGA GCCCCAAGGG GGACCCTGCC CACCTTTGAA
      ********** ********** ********** ********** ********** **********
 465″ GATTTCTGTG AGAAATATTT TCACCTGGGA GCCCCAAGGG GGACCCTGCC CACCTTTGAA

1200' CACTGGCAGA TGGGCTGGAG GCCTGGAGCC TGGGGACGGG GCTTTGAGGG TCCGGAAGGA
      ********** ********** ********** ********** ********** **********
 525″ CACTGGCAGA TGGGCTGGAG GCCTGGAGCC TGGGGACGGG GCTTTGAGGG TCCGGAAGGA

1260' GGGCGGGGCT GTGCGGCCGG CGGAGGCCCC CGAAAGTTCC AGAAAGCGGG TGGGGAGGTC
      ********** ********** ********** ********** ********** **********
 585″ GGGCGGGGCT GTGCGGCCGG CGGAGGCCCC CGAAAGTTCC AGAAAGCGGG TGGGGAGGTC

1320' GGCGCGGGAG GCTCAGATGG CTGGAGGCGG ATCAAGATCT GGCCTCGGCG GCCAAGCTTG
      ********** ********** ********** ********** ********** **********
 645″ GGCGCGGGAG GCTCAGATGG CTGGAGGCGG ATCAAGATCT GGCCTCGGCG GCCAAGCTTG

1380' GCAATCCGGT ACTGTTGGTA AAGCCACCAT GGAA-GATGC CAAAAACATT AAGAAGGGCC
      ********** ********** ********** **** ***** **** ***
 705″ GCAATCCGGT ACTGTTGGTA AAGCCACCAT GGAACGATGC CAAACACA
```