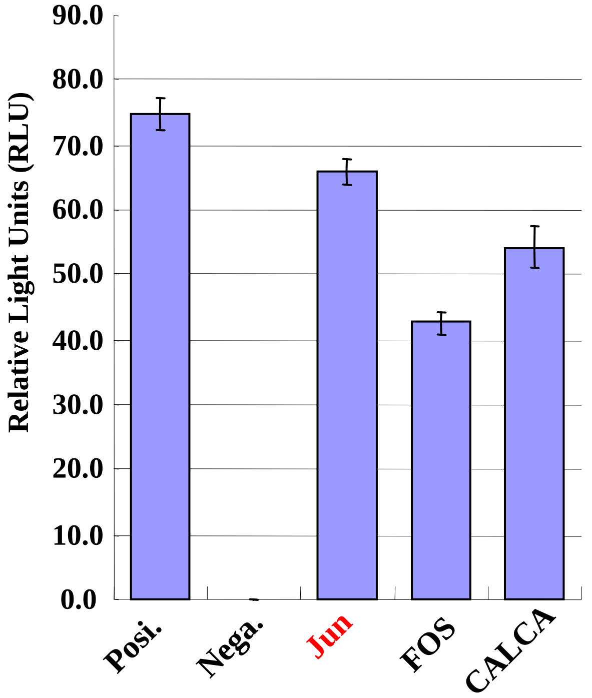
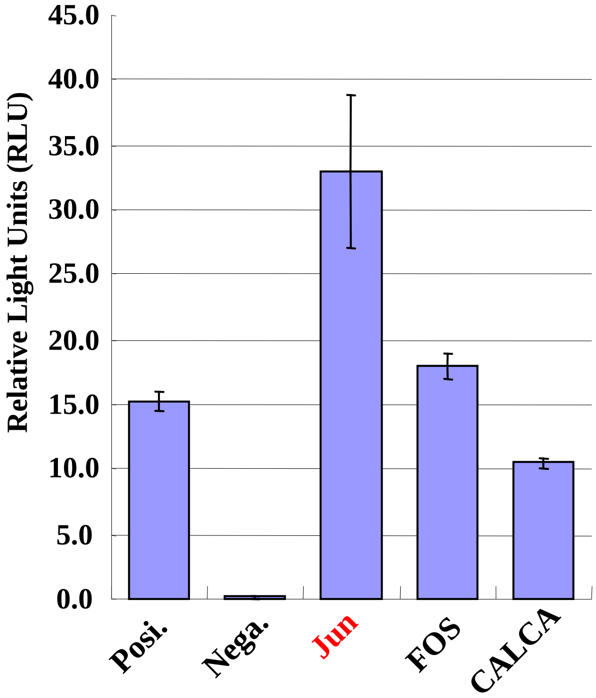
The Promoter Activities of Reporter Constructs

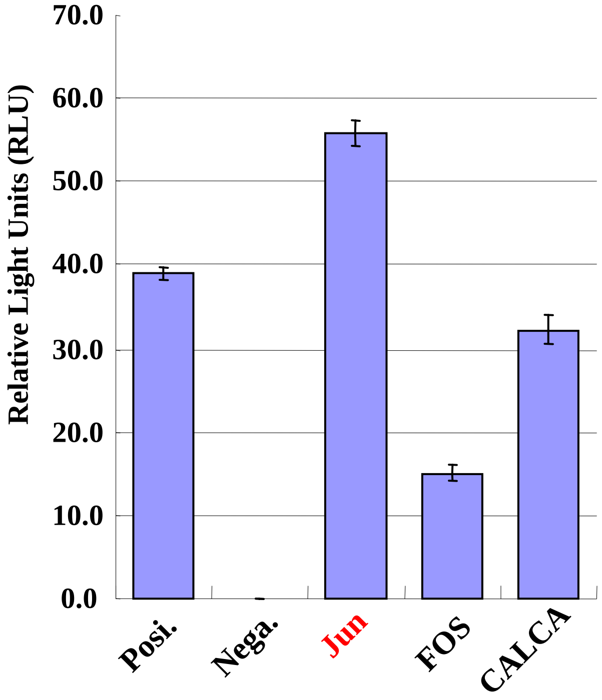
HeLa cells



HepG2 cells



Hep3B cells



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

Jun: pGL4-phJun (RDB#7298)
FOS: pGL4-phFOS(RDB#7292)
CALCA:pGL4-phCALCA (RDB#7291)

2009, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2009.06.25

1st Nucleotide Sequence
  File Name         : Reference Seq.GNU
  Sequence Size     : 5429

2nd Nucleotide Sequence
  File Name         : RDB7298F.fasta
  Sequence Size     : 556

  Unit Size to Compare = 1
  Pick up Location     = 1



[97.810% / 548 bp]     INT/OPT.Score : <    454/  2010 >

     1’                    GG CCTAACTGGC CGGTACCTGA GCTCGCTAGC CTCGAGGATC
                           ** ********** ********** ********** **********
     1″ GTGCCAGAAC ATTTCTCTGG CCTAACTGGC CGGTACCTGA GCTCGCTAGC CTCGAGGATC

    43’ GGGAGTGCAG AGAT-TTGAA GTCCAGGTTC TACCCCGGNG CTCCGAGTAC TACTGCGTGA
        ********** **** ***** ********** ******** * ********** **********
    61″ GGGAGTGCAG AGATGTTGAA GTCCAGGTTC TACCCCGG-G CTCCGAGTAC TACTGCGTGA

   102’ CTTTATGCGA GTGTCCGCCG CCTTCTGGGN CTTGTTTTCC CGGAAGCAAC TCGGCGCGGA
        ********** ********** *********  ********** ********** **********
   120″ CTTTATGCGA GTGTCCGCCG CCTTCTGGG- CTTGTTTTCC CGGAAGCAAC TCGGCGCGGA

   162’ TGGAGTGTGT GTGTGCGCGC NGCGCGCGCG TTATGTTGTG CGTGTTGTGT TAAGCGTGTG
        ********** **********  ********* ********** ********** **********
   179″ TGGAGTGTGT GTGTGCGCGC -GCGCGCGCG TTATGTTGTG CGTGTTGTGT TAAGCGTGTG

   222’ CGTGTTGTCC GNGGGGCGGG AGGGGGAGTA GACTAACACC GGGGTTCCCC GAGTTTCGGA
        ********** * ******** ********** ********** ********** **********
   238″ CGTGTTGTCC G-GGGGCGGG AGGGGGAGTA GACTAACACC GGGGTTCCCC GAGTTTCGGA
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    282'  TCNGCCTACA CGCTTGTTCC CATCTGGACC CTGTTACCCA CCAATTGCGC CCANCTATAA
          ** ******* ********** ********** ********** ********** *** ******
    297"  TC-GCCTACA CGCTTGTTCC CATCTGGACC CTGTTACCCA CCAATTGCGC CCA-CTATAA

    342'  AAACTGCCCC TCCGAGGCAA AGCTGTGAAC CCCCGCGCCC TTTCNCCCCA CGGTCCCGGA
          ********** ********** ********** ********** **** ***** **********
    355"  AAACTGCCCC TCCGAGGCAA AGCTGTGAAC CCCCGCGCCC TTTC-CCCCA CGGTCCCGGA

    402'  GGATGAAGTG GGGTGCAACG GAGACTCAGC TGAGCNGTCC AGTTTCGGGC AATACAAATC
          ********** ********** ********** ***** **** ********** **********
    414"  GGATGAAGTG GGGTGCAACG GAGACTCAGC TGAGC-GTCC AGTTTCGGGC AATACAAATC

    462'  TCTCGGCTTC TACGAGCAGC CAGACGNACC CCGCGGACCG TCGCTCCTGA ACTTGACCGA
          ********** ********** ****** *** ********** ********** **********
    473"  TCTCGGCTTC TACGAGCAGC CAGACG-ACC CCGCGGACCG TCGCTCCTGA ACTTGACCGA

    522'  GATGCAAACT TCGGAGTNGT TCTCAACGTG GGGGGCCGAC TCTCGGGAGA CCGCCCCTAA
          ** ******* ******* ** ******
    532"  GACGCAAACT TCGGAGT-GT TCTCAA




1st Nucleotide Sequence
  File Name        : Reference Seq.GNU
  Sequence Size    : 5429

2nd Nucleotide Sequence
  File Name        : RDB7298R.fasta (Complementary)
  Sequence Size    : 587

  Unit Size to Compare = 1
  Pick up Location     = 1


[97.983% / 595 bp]     INT/OPT.Score : <    451/  2221 >
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 661’ AGTGCGGGGG GGTGGCAGCG TACTTGGATT CNTCAGCCTC CAGCCCCGCG CGGTGGCGGC
                                                                ******
   1″                                                          GGGCGGC

 721’ CGCCGGTGGA TGACTTCGGG CCNCCACAAG TGGGGAAACA ACAACCACCC CTCGCCCGCA
      ********** ********** **.******* ********** **********  ***** ***
   8″ CGCCGGTGGA TGACTTCGGG CCCCCACAAG TGGGGAAACA ACAACCACCC TTCGCCGGCA

 781’ CCCCTGGCCC AAANACAACT GGCCAGGTTC CCTGGCCTCC CGGGTCCCTG CATCCCCCGC
      ********** *** ****** ********** ********** ********** **********
  68″ CCCCTGGCCC AAA-ACAACT GGCCAGGTTC CCTGGCCTCC CGGGTCCCTG CATCCCCCGC

 841’ ATCCNCCGTC CGCAGCCGTG AACTTGAGCC CCCCTCCATC AGAGGTTGCG AGCGTNCCGC
      **** ***** ********** ********** ********** ********** ***** ****
 127″ ATCC-CCGTC CGCAGCCGTG AACTTGAGCC CCCCTCCATC AGAGGTTGCG AGCGT-CCGC

 901’ CCGCTCGCGG CAGCCACCGT CACTAGACAG TCAAACCCCA AGACGTNCAG CCCACAATGC
      ********** ********** ********** ********** ****** *** **********
 185″ CCGCTCGCGG CAGCCACCGT CACTAGACAG TCAAACCCCA AGACGT-CAG CCCACAATGC

 961’ ACCGGGCGGG CCGGGAAAAA CGGCCCGGGG AGGGGACNCG GGGAAGAGAG GGCCGAGAGG
      ********** ********** ********** ******* ** ********** **********
 244″ ACCGGGCGGG CCGGGAAAAA CGGCCCGGGG AGGGGAC-CG GGGAAGAGAG GGCCGAGAGG

1021’ CGTGCGGCAG GGGGGAGGGT AGGAGAAANG AAGGGCCCGA CTGTAGGAGG GCAGCGGAGC
      ********** ********** ******** * ********** ********** **********
 303″ CGTGCGGCAG GGGGGAGGGT AGGAGAAA-G AAGGGCCCGA CTGTAGGAGG GCAGCGGAGC

1081’ ATTACCTCAT CCCGTGAGCN CTCCGCGGGC CCAGAGAAGA ATCTTCTAGG GTGGAGTCTC
      ********** *********  ********** ********** ********** **********
 362″ ATTACCTCAT CCCGTGAGC- CTCCGCGGGC CCAGAGAAGA ATCTTCTAGG GTGGAGTCTC

1141’ CATGGTGACG NGGCGGGCCC GCCCCCCTGA GAGCGACGCG AGCCAATGGG AAGGCCTTGG
      **********  ********* ********** ********** ********** **********
 421″ CATGGTGACG -GGCGGGCCC GCCCCCCTGA GAGCGACGCG AGCCAATGGG AAGGCCTTGG

1201’ GNGTGACATC ATGGGCTATT TTTAGGGGAT CAAGATCTGG CCTCGGCGGC CAAGCTTGGC
      * ******** ********** ********** ********** ********** **********
 480″ G-GTGACATC ATGGGCTATT TTTAGGGGAT CAAGATCTGG CCTCGGCGGC CAAGCTTGGC
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1261’ AATCCGGTAC TGTTGGTAAA GCCACCATGG AAGATGCCAA AAACATTAAG AAGGGCCCAG
      ********** ********** ********** ********** *********
 539″ AATCCGGTAC TGTTGGTAAA GCCACCATGG AAGATGCCAA AAACATTAA
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