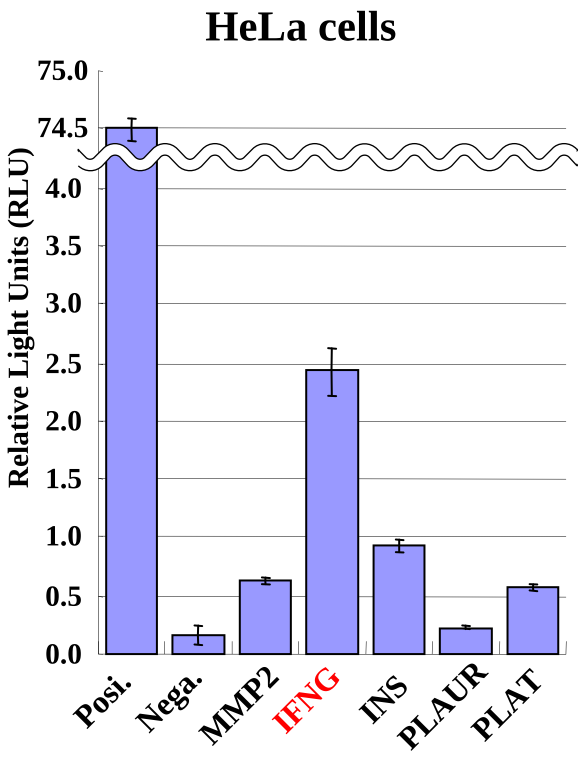
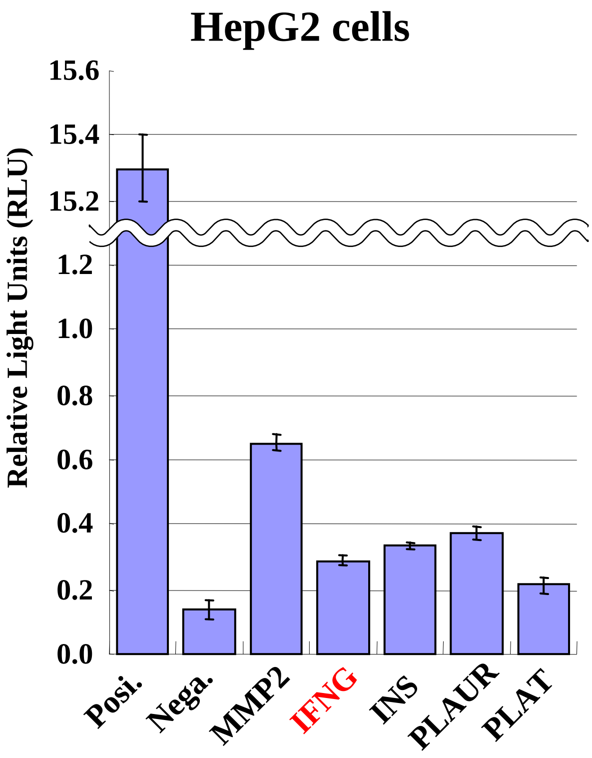
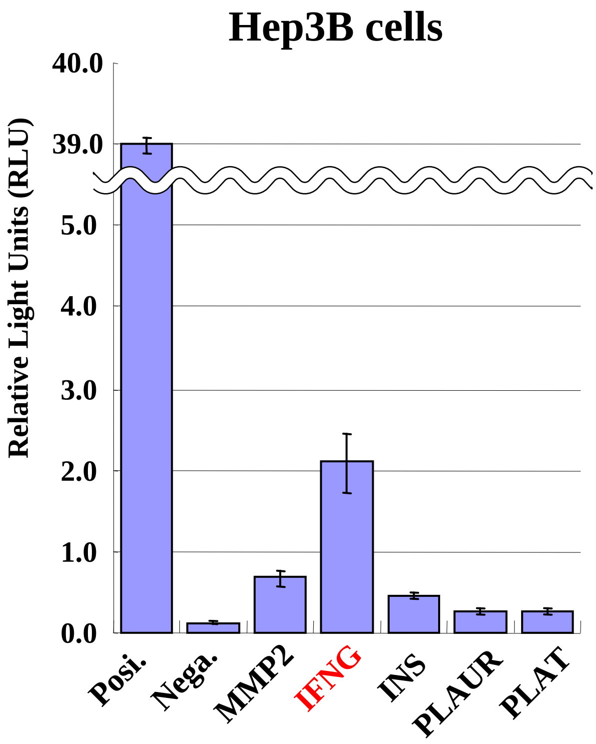
The Promoter Activities of Reporter Constructs







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

MMP2: pGL4-phMMP2 (RDB#7314)
IFNG: pGL4-phIFNG(RDB#7297)
INS:pGL4-phINS (RDB#7387)
PLAUR:pGL4-phPLAUR (RDB#7312)
PLAT:pGL4-phPLAT (RDB#7295)

2009, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2009.07.13

1st Nucleotide Sequence
  File Name         : Reference Seq.GNU
  Sequence Size     : 5481

2nd Nucleotide Sequence
  File Name         : RDB7297F.fasta
  Sequence Size     : 765

  Unit Size to Compare = 1
  Pick up Location     = 1



[96.447% / 760 bp]     INT/OPT.Score : <    462/  2644 >

      1'                  GGCC TAACTGGCCG GTACCTGAGC TCGCTAGCCT CGAGGAT-AT
                          **** ********** ********** ********** ******* **
      1" GCCAGAACAT TTCTCTGGCC TAACTGGCCG GTACCTGAGC TCGCTAGCCT CGAGGATAAT

     44' TGAGATGCAC CGTAGGCTTA AAATATACAC TGTATTTCNT TTCCTTTTTT CTTTTTTTC-
         ********** ********** ********** ******** * ********** *********
     61" TGAGATGCAC CGTAGGCTTA AAATATACAC TGTATTTC-T TTCCTTTTTT CTTTTTTTCT

    103' TTTTTTTTTT TTTGAGACGG AATCTTACTC NTGTCACCTA GGCTGGAGTG TAGTGGCGCG
         ********** ********** **********  ********* ********** **********
    120" TTTTTTTTTT TTTGAGACGG AATCTTACTC -TGTCACCTA GGCTGGAGTG TAGTGGCGCG

    163' ATCTCGGCTC ACTGCAACCT CNCACCTTCT GGGTTCAAGC CATTCTCCTG CCTCAGCCTC
         ********** ********** * ******** ********** ********** **********
    179" ATCTCGGCTC ACTGCAACCT C-CACCTTCT GGGTTCAAGC CATTCTCCTG CCTCAGCCTC

    223' CCTAGTAGCT GANGATTACA GGCATACACC ACCATGCCTG GCTAATTTTT TTGTATTTTT
         ********** ** ******* ********** ********** ********** **********
    238" CCTAGTAGCT GA-GATTACA GGCATACACC ACCATGCCTG GCTAATTTTT TTGTATTTTT
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283' AGTNAGAGAT GGGGTTTCAC CATATTGGCT AGGCTGGTCT CAAACTCCTG ACCTNTGTGA
     *** ****** ********** ********** ********** ********** **** *****
297″ AGT-AGAGAT GGGGTTTCAC CATATTGGCT AGGCTGGTCT CAAACTCCTG ACCT-TGTGA

343' TCCACCCGCC TCAACCTCCC AAAGTGCTGG GATTACAGGT GTGAGNCCAC TGCGTCTGGA
     ********** ********** ********** ********** ***** **** **********
355″ TCCACCCGCC TCAACCTCCC AAAGTGCTGG GATTACAGGT GTGAG-CCAC TGCGTCTGGA

403' ACTCCCCCTG GGAATATTCT CTACACTGTA TTTCAANGGA TTTAATATGA CAAAAAGAAT
     ********** ********** ********** ****** *** ********** **********
414″ ACTCCCCCTG GGAATATTCT CTACACTGTA TTTCAA-GGA TTTAATATGA CAAAAAGAAT

463' GTCAAATACC TTATTAACAA TGTAGTANTA TTGATGCATA CTGAAGTACT ATTTGGGATA
     ********** ********** ******* ** ********** ********** **********
473″ GTCAAATACC TTATTAACAA TGTAGTA-TA TTGATGCATA CTGAAGTACT ATTTGGGATA

523' TATTGGTTTA AATACAATNA TATTTTAAAA TTATATTTAC CTTTTAAAAA AACTTTTATT
     ********** ******** * ********** ********** ********** **********
532″ TATTGGTTTA AATACAAT-A TATTTTAAAA TTATATTTAC CTTTTAAAAA AACTTTTATT

583' AATGAGGCTN ACTAGATCAT TTAAATTTAC CTGTGTGGCT TGTATTGTAT TTCTACTGGG
     *********  ********** ********** ********** ********** **********
591″ AATGAGGCT- ACTAGATCAT TTAAATTTAC CTGTGTGGCT TGTATTGTAT TTCTACTGGG

643' NCAGTGCTGA TCTAGAGCAA TTTGAAACTT GTGGTAGATA -TTTTACTAA CCNAACTCTG
      ********* *********  ********** **********  ********* **.*******
650″ -CAGTGCTGA TCTAGAGCAT TTTGAAACTT GTGGTAGATA TTTTTACTAA CCCAACTCTG

702' A-TGAA-GGA CTT-CCTCA- CCAAA-TTG- TTC-TTTTAA -CCGCA-TTC TTNTCCTTGC
     * **** *** *** *****  ***** ***  *** ******  ***** *** **.***
709″ ATTGAAGGGA CTTCCCTCAC CCAAATTTGT TTCTTTTTAA CCCGCATTTC TTTTCCC
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1st Nucleotide Sequence

File Name : Reference Seq.GNU

Sequence Size : 5481

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2nd Nucleotide Sequence
  File Name        : RDB7297R.fasta (Complementary)
  Sequence Size    : 690

  Unit Size to Compare = 1
  Pick up Location     = 1



[97.293% / 702 bp]     INT/OPT.Score : <    501/  2527 >

   661’ AATTTGAAAC -TTGTGGTAG ATATTTTACT AACCNAACTC TGATGAAGGA CTTCCTCACC
           *******  ********* ** .****** **** ***** ******** * **********
     1″    TTGAAAC TTTGTGGTAG AT-NTTTACT AACC-AACTC TGATGAAGAA CTTCCTCACC

   720’ AAATTGTTCT TTTAACCGCA TTCTTNTCCT TGCTTTCTGG TCATTTGCAA GAAAAATTTT
        ********** ********** ***** **** ********** ********** **********
    56″ AAATTGTTCT TTTAACCGCA TTCTT-TCCT TGCTTTCTGG TCATTTGCAA GAAAAATTTT

   780’ AAAAGGCTGC CCCTTTNGTA AAGGTTTGAG AGGCCCTAGA ATTTCGTTTT TCACTTGTTC
        ********** ****** *** ********** ********** ********** **********
   115″ AAAAGGCTGC CCCTTT-GTA AAGGTTTGAG AGGCCCTAGA ATTTCGTTTT TCACTTGTTC

   840’ CCAACCANCA AGCAAATGAT CAATGTGCTT TGTGAATGAA GAGTCAACAT TTTACCAGNG
        ******* ** ********** ********** ********** ********** ******** *
   174″ CCAACCA-CA AGCAAATGAT CAATGTGCTT TGTGAATGAA GAGTCAACAT TTTACCAG-G

   900’ GCGAAGTGGG GAGGTACAAA AAAATTTCCA GTCCTTGAAT GGTGTGAAGN TAAAAGTGCC
        ********** ********** ********** ********** *********  **********
   232″ GCGAAGTGGG GAGGTACAAA AAAATTTCCA GTCCTTGAAT GGTGTGAAG- TAAAAGTGCC

   960’ TTCAAAGAAT CCCACCAGAA TGGCACAGGT GGGCATAATG NGGTCTGTCT CATCGTCAAA
        ********** ********** ********** **********  ********* **********
   291″ TTCAAAGAAT CCCACCAGAA TGGCACAGGT GGGCATAATG -GGTCTGTCT CATCGTCAAA

  1020’ GGACCCAAGG AGTCTAAAGG AAACTCTAAC TNACAACACC CAAATGCCAC AAAACCTTAG
        ********** ********** ********** * ******** ********** **********
   350″ GGACCCAAGG AGTCTAAAGG AAACTCTAAC T-ACAACACC CAAATGCCAC AAAACCTTAG
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1080' TTATTAATAC AAACTATCAT CCNCTGCCTA TCTGTCACCA TCTCATCTTA AAAAACTTGT
      ********** ********** ** ******* ********** ********** **********
 409″ TTATTAATAC AAACTATCAT CC-CTGCCTA TCTGTCACCA TCTCATCTTA AAAAACTTGT

1140' GAAAATACGT AATNCCTCAG GAGACTTCAA TTAGGTATAA ATACCAGCAG CCAGAGGAGG
      ********** *** ****** ********** ********** ********** **********
 468″ GAAAATACGT AAT-CCTCAG GAGACTTCAA TTAGGTATAA ATACCAGCAG CCAGAGGAGG

1200' TGCANGCACA TTGTTCTGAT CATCTGAAGA TCAGCTATTA GAAGAGAAAG ATCAGTTAAG
      **** ***** ********** ********** ********** ********** **********
 527″ TGCA-GCACA TTGTTCTGAT CATCTGAAGA TCAGCTATTA GAAGAGAAAG ATCAGTTAAG

1260' TCCTTTGGAC -CTGATCAGC TTATCAAGAT CTGGCCTCGG CGGCCAAGCT TGGCAATCCG
      **********  *********  ********* ********** ********** **********
 586″ TCCTTTGGAC ACTGATCAGC -TATCAAGAT CTGGCCTCGG CGGCCAAGCT TGGCAATCCG

1319' GTACTGTTGG TAAAGCCACC ATGGAA-GAT GCCAAA-AAC ATTAAGAAGG GCCCAGCGCC
      ********** ********** ****** *** ****** *** *****
 645″ GTACTGTTGG TAAAGCCACC ATGGAACGAT GCCAAACAAC ATTAAA
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