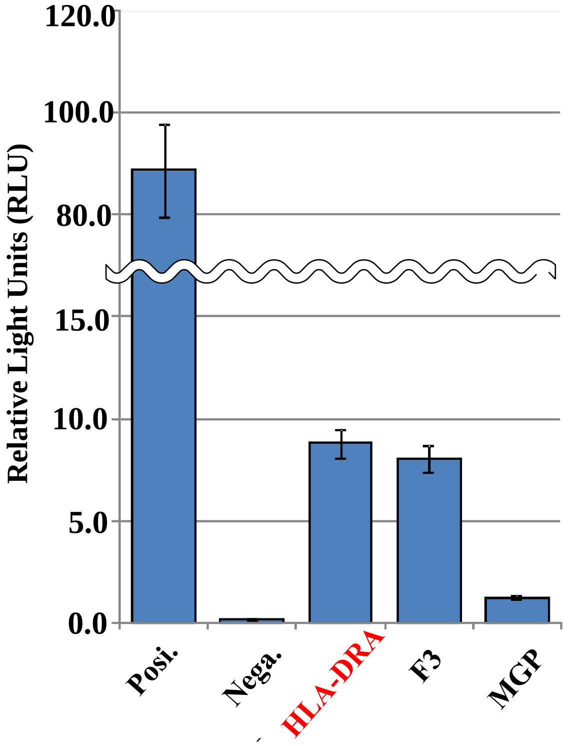
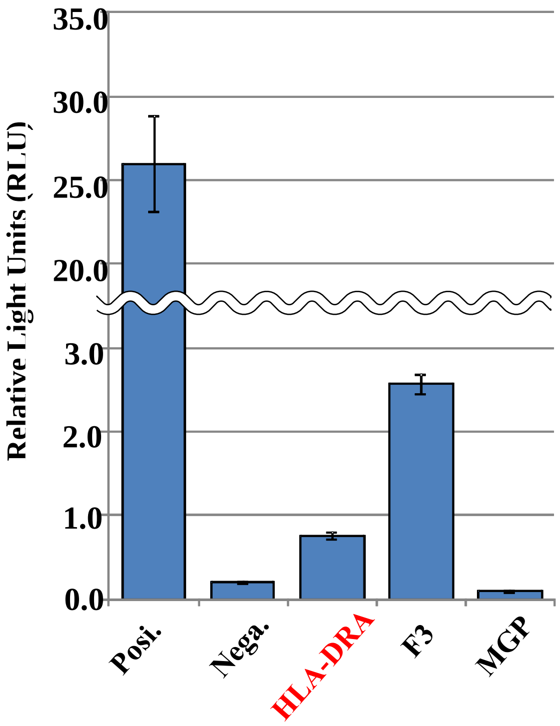
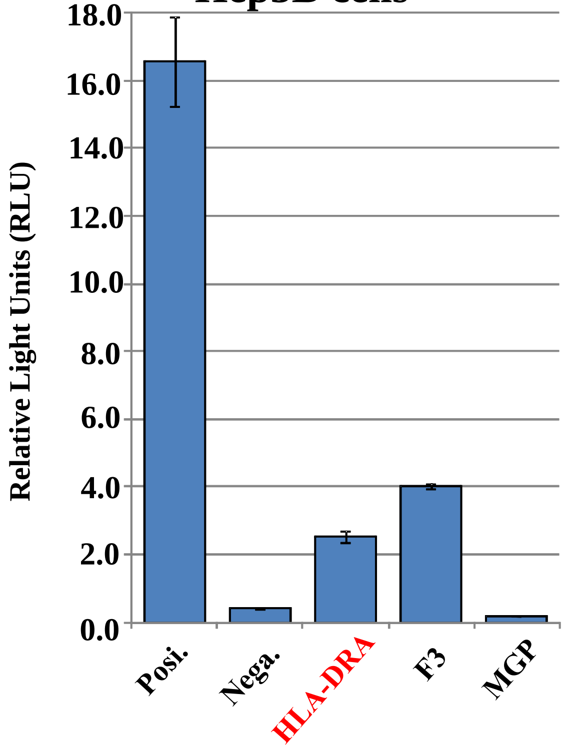
The Promoter Activities of Reporter Constructs



HeLa cells



HepG2 cells



Hep3B cells

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

HLA-DRA: pGL4-phHLA-DRA(RDB# 7389)
F3: pGL4-phF3 (RDB# 7458)
MGP: pGL4-phMGP (RDB# 7394)

2010, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.01.25

1st Nucleotide Sequence
  File Name         : Reference Seq.gnu
  Sequence Size     : 5665

2nd Nucleotide Sequence
  File Name         : RDB7389F.fasta
  Sequence Size     : 579

  Unit Size to Compare = 1
  Pick up Location     = 1



[94.301% / 544 bp]     INT/OPT.Score : <    838/  1760 >

    1'                                     GGCCTAA CTG-GCCGGT -ACCTGAG-C
                                           **** *  *** ******  ******* *
    1″ ACCGATGCTT TAGCTGGTGC GAAACTTATC TCTGGCCAAC CTGTGCCGGT AACCTGAGAC

   25' TCG-CTAGCC TCGAGGATCA CTGCCAGGTC ACTCTTCATG GAAGTATTTG TATTCCAGTC
       *** **** *    ******* ********** ********** ********** **********
   61″ TCGACTAGAC CTCAGGATCA CTGCCAGGTC ACTCTTCATG GAAGTATTTG TATTCCAGTC

   84' CTTTCTGTGG AAAGAACTTA ACATTCT-CC TTTTCATAAC ACTGTATCTT CAGAAACAAG
       ********** ********** ******* ** ********** ********** **********
  121″ CTTTCTGTGG AAAGAACTTA ACATTCTCCC TTTTCATAAC ACTGTATCTT CAGAAACAAG

  143' AGAGTCGAAG TCTCCTAATT TTCAGGAGTG TCTATGTTGA ACATCAAAAT ATATTCTTTA
       ********** ********** ******* ** ********** ********** **********
  181″ AGAGTCGAAG TCTCCTAATT TTCAGGACTG TCTATGTTGA ACATCAAAAT ATATTCTTTA

  203' GAGCAGATCT TTAATAATCA TATGACAAGA GAAAAACTTT CATAATCTTA TGACATGAGG
       ********** ********** ********** ********** ********** **********
  241″ GAGCAGATCT TTAATAATCA TATGACAAGA GAAAAACTTT CATAATCTTA TGACATGAGG
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    263’ GAAGGAATAT TAAAGCCGTT CTGTGGGTTA TTATCTCTAA CGTTCCCAAT AGAATAGGC-
         ********** ********** ***** **** ********** ********** *********
    301″ GAAGGAATAT TAAAGCCGTT CTGTGAGTTA TTATCTCTAA CGTTCCCAAT AGAATAGGCA

    322’ TTTGCC-AGC -TGGGTGC-G GTGGCTCATG CCTGTAATCC C-AGC-ACTT TG-AGAGGCC
         ****** ***  ******* * ********** ********** * *** **** ** *******
    361″ TTTGCCAAGC ATGGGTGCAG GTGGCTCATG CCTGTAATCC CAAGCAACTT TGCAGAGGCC

    376’ AAGGC-GGGC -AAATCACG- AGGTCAGGAG TCTGAGACC- AGCCTGACC- AAC-ATGGTG
         ***** ****  ********  ********** *********  *********  *** ******
    421″ AAGGCAGGGC AAAATCACGA AGGTCAGGAG TCTGAGACCA AGCCTGACCA AACAATGGTG

    430’ -AAACCCCGT CTCTAC-TAA AAATAC-AAA AATTAGCCGG GCATGGTGGT GGGC-GCCTG
          ********* ****** *** ****** *** ********** ********** **** *****
    481″ AAAACCCCGT CTCTACATAA AAATACAAAA AATTAGCCGG GCATGGTGGT GGGCAGCCTG

    486’ TAATCCCAGC TACTCAGGAG GC-TGAGGCA GGAGAATCGC TTGAACCCGG GAGGCGGAGA
         ********** ********** ** ******* *******
    541″ TAATCCCAGC TACTCAGGAG GCATGAGGCA GGAGAATTT




1st Nucleotide Sequence
  File Name          : Reference Seq.gnu
  Sequence Size      : 5665

2nd Nucleotide Sequence
  File Name          : RDB7389R.fasta (Complementary)
  Sequence Size      : 604

  Unit Size to Compare = 1
  Pick up Location     = 1


[86.131% / 548 bp]     INT/OPT.Score : <    184/  1234 >
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 961' AAAGAGCTTC TTTAGTGAAG CTATGTCCTC AGTACTGCCA AAATTCAGAC AATCTCCATG

   1″                                                 CCCCATG GGCCCCTGTA

1021' GCCTGACAAT TTACCTTCTA TTTGGGTAA- TTTATTGTCC CTTACGCAAA CT-CTCCAGC
                     * * *  ** ******  ********** ********** ** *.*** *
  18″ TCTATTTTAG CCTTCCTATT TTGGGGTAAT TTTATTGTCC CTTACGCAAA CTNCNCCAAC

1079' TG-TCA-TGG CACAGA-CAT ATGA-TCTGT A-TTTA-GCT CTCA-CTTTA -GGTG-TTTC
      ** *** *** ****** *** **** ***** * **** *** **** *****  **** ****
  78″ TGTTCATTGG CACAGACCAT ATGATTCTGT ATTTTAGGCT CTCACCTTTA GGGTGTTTTC

1130' CATTGA-TTC TATT-CT-CA CTAATGT-GC TTCAGGTATA T-CCCTGT-C TAGAACTCAG
      ****.* *** **** ** ** ******* ** ********** * ****** * ***** ****
 138″ CATTNATTTC TATTGCTGCA CTAATGTGGC TTCAGGTATA TGCCCTGTGC TAGAAGTCAG

1184' ATTGGGGTTA AAGAGTCTGT CCGTCATTGA CCAACAGT-C TTAAATACTT -GATTTGTTG
      ********** ********** **** ***** * ****** * **********  *********
 198″ ATTGGGGTTA AAGAGTCTGT CCGTGATTGA CTAACAGTGC TTAAATACTT GGATTTGTTG

1242' TCGTTGTTGT -CCTGTTTGT TTAAGAACTT TAC-TTCTTT A-TCCAATGA A-CGGAGTAT
      * ********  ********* ********** *** ****** * ******** * ********
 258″ TTGTTGTTGT GCCTGTTTGT TTAAGAACTT TACTTTCTTT ATTCCAATGA AGCGGAGTAT

1298' -CTT-GTGT- CCTGGACCCT TTG-CAAGAA CCCTTCCCCT AGCAA-CAGA TGCGT-CATC
       *** ****  ********** *** **** * ********** ***** **** ***** ****
 318″ GCTTGGTGTG CCTGGACCCT TTGTCAAGGA CCCTTCCCCT AGCAAGCAGA TGCGTGCATC

1352' TC--AAAATA TTTTTCT-GA TTGGCCAAAG AGTAATTGAT TTGCA-TTTT AAT-GGTCAG
      **    **** ******* ** ********** ********** ***** **** *** ******
 378″ TCGAGGAATA TTTTTCTGGA TTGGCCAAAG AGTAATTGAT TTGCATTTTT AATGGGTCAG

1407' ACTCT---AT TACACCCCAC ATT-CT-CTT TT-CTTTT-A TT-CTTGT-C TGTT-CT-GC
         **   ** ********** *** ** *** ** ***** * ** ***** * **** ** **
 438″ GAGCTGGTAT TACACCCCAC ATTGCTGCTT TTGCTTTTGA TTGCTTGTGC TGTTGCTGGC

1456' CT-CACTCCC AT-CAAG-AT -CTGGCCTC- GGCGGCCAAG CTTGGC-AAT CCGGT-ACTG
      ** ******* ** * ** **  ********  ******* ** ****** *** ***** ****
 498″ CTACACTCCC ATGCGAGTAT GCTGGCCTCG GGCGGCCGAG CTTGGCGAAT CCGGTGACTG
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1509’ TTGGTAAAGC C--ACCATGG AAGATGCCAA AAACATTAAG AAGGGCCCAG CGCCATTCTA
       ****** ** *  *******  *
 558″ GTGGTAACGC CACACCATGG TAAGTATGTC CAATTTAGCA CTTAGTG
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