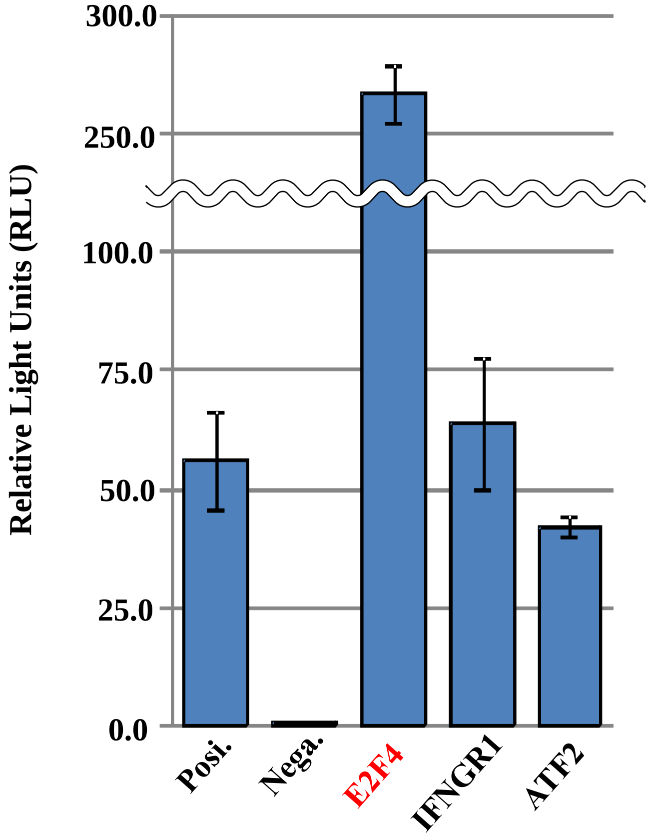
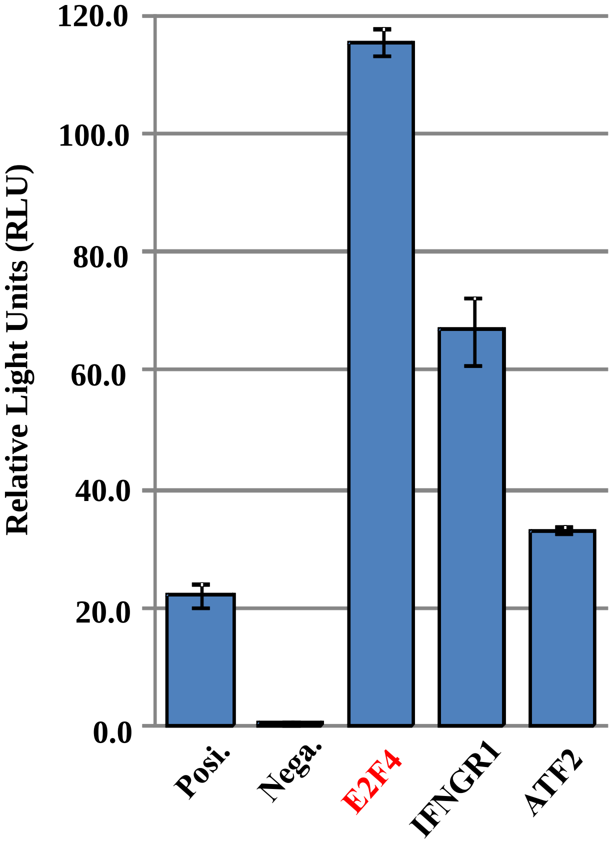
The Promoter Activities of Reporter Constructs

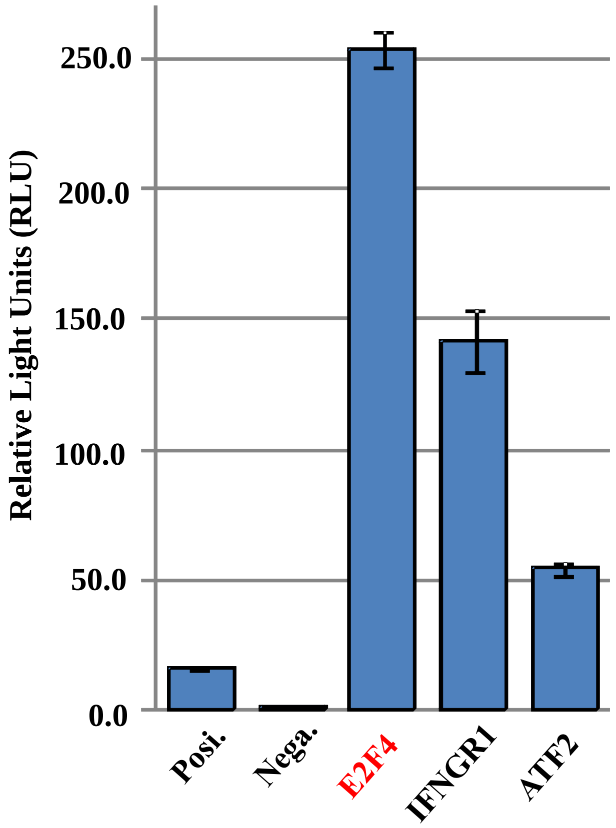
HeLa cells



HepG2 cells



Hep3B cells



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

E2F4: pGL4-phE2F4 (RDB# 7714)
IFNGR1: pGL4-phIFNGR1(RDB# 7708)
ATF2: pGL4-phATF2 (RDB# 7712)

2010, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.03.09

1st Nucleotide Sequence
  File Name        : Reference Seq (inset)
  Sequence Size    : 1470

2nd Nucleotide Sequence
  File Name        : RDB7714F.fasta
  Sequence Size    : 656

Unit Size to Compare : 6

Percent Similarity   : 98.8
Percent Identity     : 98.8


     1’ GGGAGATTAC AGGCGTGAGT CACCGCAACT GGGCAGCTGT GTTTATCTTG AGAGTTATAG
        ********** ********** ********** ********** ********** **********
    59″ GGGAGATTAC AGGCGTGAGT CACCGCAACT GGGCAGCTGT GTTTATCTTG AGAGTTATAG

    61’ GGAGCCAGGG AAGGGACTAT AAGGTGGTAA TTATTTAGTG GATGTTCAGT CCACCACCCA
        ********** ********** ********** ********** ********** **********
   119″ GGAGCCAGGG AAGGGACTAT AAGGTGGTAA TTATTTAGTG GATGTTCAGT CCACCACCCA

   121’ AATCCACCCT TCAGGACAGA AGTGCTCATT CTCCAGCTGC CAGGAGTGTA GGCTACTGAG
        ********** ********** ********** ********** ********** **********
   179″ AATCCACCCT TCAGGACAGA AGTGCTCATT CTCCAGCTGC CAGGAGTGTA GGCTACTGAG

   181’ ATCACACCAC TGAGTCTCTC AGTCAATATT GGGGTGCAAA AGCATGGTAC CATCGTGTGA
        ********** ********** ********** ********** ********** **********
   239″ ATCACACCAC TGAGTCTCTC AGTCAATATT GGGGTGCAAA AGCATGGTAC CATCGTGTGA

   241’ ACATGAACCC TTCAGAAGTG CTACCCCAAT TTCAGAGATC CTAGTGGGAT AGGCTGAGGC
        ********** ********** ********** ********** ********** **********
   299″ ACATGAACCC TTCAGAAGTG CTACCCCAAT TTCAGAGATC CTAGTGGGAT AGGCTGAGGC
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301' CTATAATATA ATTGCATCTG CTCAATTCTG CTTGTCTTAA TCCCTTAAAG GTGTGGATCC
     ********** ********** ********** ********** ********** **********
359" CTATAATATA ATTGCATCTG CTCAATTCTG CTTGTCTTAA TCCCTTAAAG GTGTGGATCC

361' TGACCAGGTG CGGTGGCTCA CACCGGTCAT CCCAGCATTC TGGGAGGCTG AGGTGGGAGG
     ********** ********** ********** ********** ********** **********
419" TGACCAGGTG CGGTGGCTCA CACCGGTCAT CCCAGCATTC TGGGAGGCTG AGGTGGGAGG

421' ATCTCTT-GA GCCCA---CG AGTTCAAGAC TAGCCTGGGC AATATAGTGA GACCCACATC
     ******* ** **  *   ** ********** ********** ********** **********
479" ATCTCTTCGA GCAAAAACCG AGTTCAAGAC TAGCCTGGGC AATATAGTGA GACCCACATC

477' TCTAAAAAAC TAAAAATAAA TGAGCCGGGC ATGGTG-GTG CATGCCTGTG GTCCCAGCTA
     ***** ****   ******** ********** ****** *** ********** **********
539" TCTAACAAAC CTAAAATAAA TGAGCCGGGC ATGGTGCGTG CATGCCTGTG GTCCCAGCTA

536' CTTGGGAGGC TGAGGTGGGA GAATCGCTTG GGCCCAGGAA GCTGAGACGG CATTGATC
     ********** **********  ********* ********** ********** *******
599" CTTGGGAGGC TGAGGTGGGA AAATCGCTTG GGCCCAGGAA GCTGAGACGG CATTGATT




1st Nucleotide Sequence
  File Name        : Reference Seq (inset)
  Sequence Size    : 1470

2nd Nucleotide Sequence
  File Name        : RDB7714R.fasta (Complementary)
  Sequence Size    : 678

Unit Size to Compare : 6

Percent Similarity   : 99.7
Percent Identity     : 99.7
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 871’ TGAGCACTGT ACTGTGAGGA CAAGACGAGC GAAAGATGAG GCTAGGACCA TGGGTGGAAC
       ********* ******** * ********** ********** ********** **********
 678″ GGAGCACTGT ACTGTGAGAA CAAGACGAGC GAAAGATGAG GCTAGGACCA TGGGTGGAAC

 931’ AAGGTGGACA AGGTAGATAT AGTTAGTGCT TGCTGTTTGG CAGGAAGTGA GGGATAGGAA
      ********** ********** ********** ********** ********** **********
 618″ AAGGTGGACA AGGTAGATAT AGTTAGTGCT TGCTGTTTGG CAGGAAGTGA GGGATAGGAA

 991’ TAGATGGGGT GACCCCAAGA CAGTAGGGCA GCCTTTAGGA ACAGGTTTGA TGTGGCAGTA
      ********** ********** ********** ********** ********** **********
 558″ TAGATGGGGT GACCCCAAGA CAGTAGGGCA GCCTTTAGGA ACAGGTTTGA TGTGGCAGTA

1051’ AAATGAGTTT GAAATATATA AAAGAATAAA TAAAGAGAAA AAAATGGAAA AGGAACAGGT
      ********** ********** ********** ********** ********** **********
 498″ AAATGAGTTT GAAATATATA AAAGAATAAA TAAAGAGAAA AAAATGGAAA AGGAACAGGT

1111’ TTGAGGGAGC AGATTGGATT AGTCAGGTAG TGTGGTCTCC TCTCCCAAGA TGGGGACTAG
      ********** ********** ********** ********** ********** **********
 438″ TTGAGGGAGC AGATTGGATT AGTCAGGTAG TGTGGTCTCC TCTCCCAAGA TGGGGACTAG

1171’ GCAGAGTTAG TGATGTTGGG GCAGATTGGC AAGGAAAGTT CCGATGGCGT CCCCTTCTCT
      ********** ********** ********** ********** ********** **********
 378″ GCAGAGTTAG TGATGTTGGG GCAGATTGGC AAGGAAAGTT CCGATGGCGT CCCCTTCTCT

1231’ ACTGCCAGGG CGGCCCACTG ACGCCCTTCT CATTCCTCCC CAACTTCATC CCAACTCCCC
      ********** ********** ********** ********** ********** **********
 318″ ACTGCCAGGG CGGCCCACTG ACGCCCTTCT CATTCCTCCC CAACTTCATC CCAACTCCCC

1291’ GGTCTACCCA GGTAGTTTTC GTCTTATTCG GAGGCTGGAC ATTTGCTACT GGTCCCTGAA
      ********** ********** ********** ********** ********** **********
 258″ GGTCTACCCA GGTAGTTTTC GTCTTATTCG GAGGCTGGAC ATTTGCTACT GGTCCCTGAA

1351’ GTTTTGCGGC TGCACCCACA GACAGCAATA GCGCCACGTT CCCTGGAAGG CGCACGGGAC
      ********** ********** ********** ********** ********** **********
 198″ GTTTTGCGGC TGCACCCACA GACAGCAATA GCGCCACGTT CCCTGGAAGG CGCACGGGAC

1411’ GGAAGCGGAA GCAGTAACGC TGGCTCCGGC TGCCCGGCGG CCAGGAACGG AAGCGGAAGT
      ********** ********** ********** ********** ********** **********
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138″ GGAAGCGGAA GCAGTAACGC TGGCTCCGGC TGCCCGGCGG CCAGGAACGG AAGCGGAAGT
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