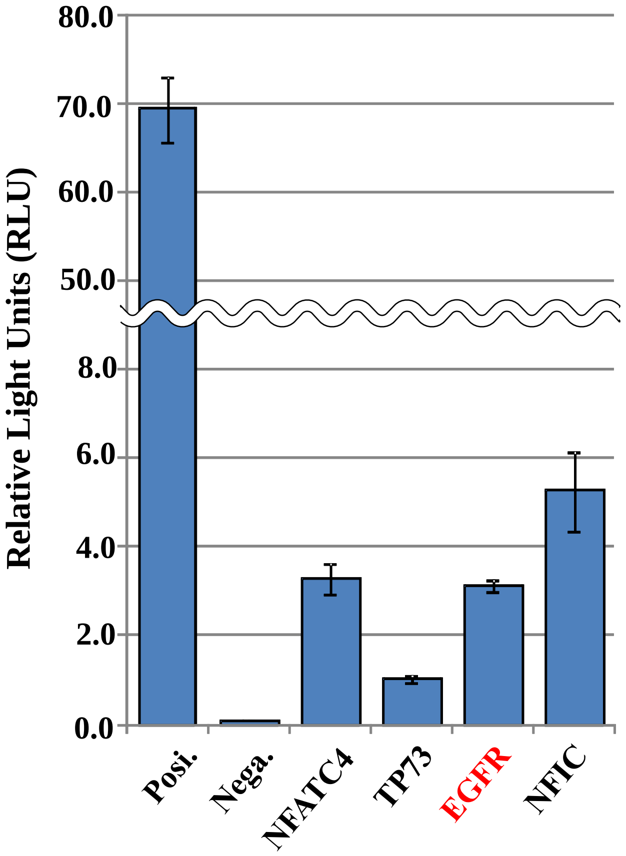
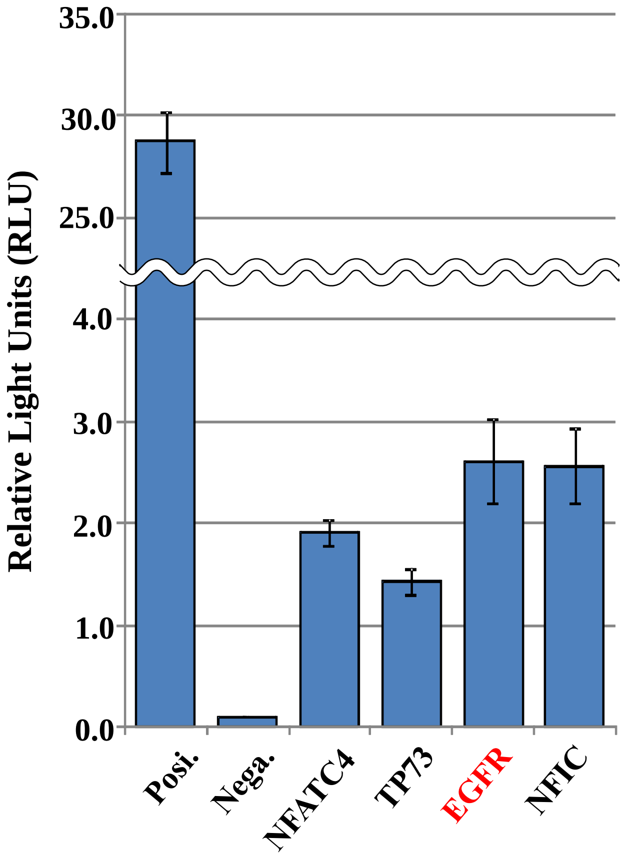
The Promoter Activities of Reporter Constructs

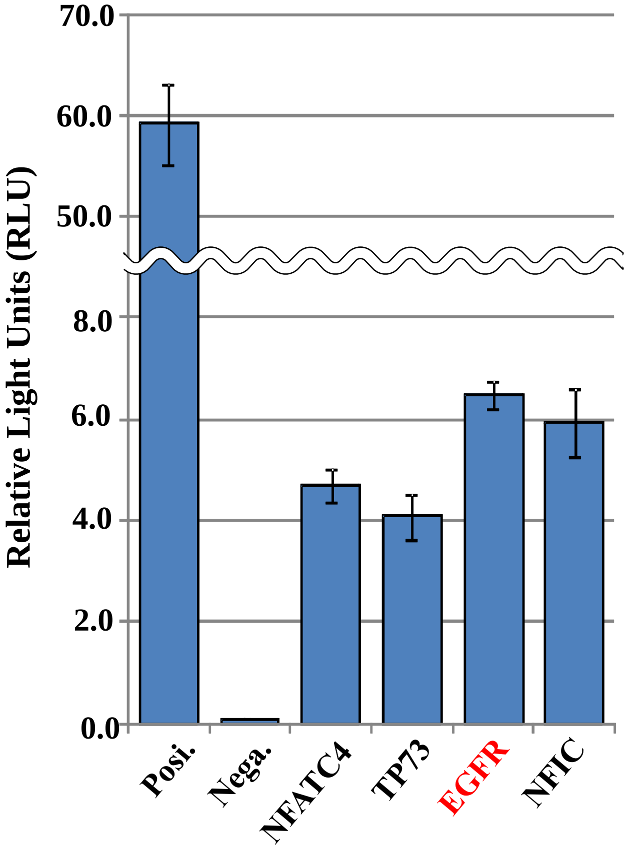
HeLa cells



HepG2 cells



Hep3B cells



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

NFATC4: pGL4-phNFATC4 (RDB# 7376)
TP73: pGL4-phTP73 (RDB# 7381)
EGFR: pGL4-phEGFR (RDB# 7398)
NFIC: pGL4-phNFIC1 (RDB#7399)

2010, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2009.06.23

1st Nucleotide Sequence
  File Name        : Reference Seq.GNU
  Sequence Size    : 5582

2nd Nucleotide Sequence
  File Name        : RDB7398F.fasta
  Sequence Size    : 674

  Unit Size to Compare = 1
  Pick up Location     = 1



[99.541% / 654 bp]     INT/OPT.Score : <   2601/  2601 >

     1'                    GG CCTAACTGGC CGGTACCTGA GCTCGCTAGC CTCGAGGATA
                           ** ********** ********** ********** **********
     1" GTGCCAGAAC ATTTCTCTGG CCTAACTGGC CGGTACCTGA GCTCGCTAGC CTCGAGGATA

    43' GCAAAGGGCA GGTCTGTAGC TTCACTTACT TCAGGATTGT GATTTTTGAC AGAGCCGAGA
        ********** ********** ********** ********** ********** **********
    61" GCAAAGGGCA GGTCTGTAGC TTCACTTACT TCAGGATTGT GATTTTTGAC AGAGCCGAGA

   103' GATCAGGGTT GTTGAACCAG GCCTGAAGGT CCTAGTGAAT CTCGTGAAGA GAGGAGGGGT
        ********** ********** ********** ********** ********** **********
   121" GATCAGGGTT GTTGAACCAG GCCTGAAGGT CCTAGTGAAT CTCGTGAAGA GAGGAGGGGT

   163' CTGGCTGTAA CATGGACCTA GAGGACATTT TTACTGCAGG AGAAGGAACA GTGGGGATGG
        ********** ********** ********** ********** ********** **********
   181" CTGGCTGTAA CATGGACCTA GAGGACATTT TTACTGCAGG AGAAGGAACA GTGGGGATGG

   223' GGTGGACTTG CCAAAGGAAT ATAGCTCAAG TTCCTGCAGC CCAAAAAAGC TCAGTTTCTT
        ********** ********** ********** ********** ********** **********
   241" GGTGGACTTG CCAAAGGAAT ATAGCTCAAG TTCCTGCAGC CCAAAAAAGC TCAGTTTCTT
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283’ TTGGCCAAAG CTTCCGCGAG TTTCCCTGGC ATTTCTCCTG CGGGAGCTAC AGGGGCAGTG
     ********** ********** ********** ********** ********** **********
301″ TTGGCCAAAG CTTCCGCGAG TTTCCCTGGC ATTTCTCCTG CGGGAGCTAC AGGGGCAGTG

343’ GGACACTTAG CCTCTCTAAA AGCACCTCCA CGGCTGTTTG TGTCAAGCCT TTATTCCAAG
     ********** ********** ********** ********** ********** **********
361″ GGACACTTAG CCTCTCTAAA AGCACCTCCA CGGCTGTTTG TGTCAAGCCT TTATTCCAAG

403’ AGCTTCACTT TTGCGAAGTA ATGTGCTTCA CACATTGGCT TCAAAGTACC CATGGCTGGT
     ********** ********** ********** ********** ********** **********
421″ AGCTTCACTT TTGCGAAGTA ATGTGCTTCA CACATTGGCT TCAAAGTACC CATGGCTGGT

463’ TGCAATAAAC ATTAAGGAGG CCTGTCTCTG CACCCGGAGT TGGGTGCCCT CATTTCAGAT
     ********** ********** ********** ********** ********** **********
481″ TGCAATAAAC ATTAAGGAGG CCTGTCTCTG CACCCGGAGT TGGGTGCCCT CATTTCAGAT

523’ GATTTCGAGG GTGCTTGACA AGATCTGAAG GACCCTCGGA CTTTAGAGCA CCACCTCGGA
     ********** ********** ********** ********** ********** **********
541″ GATTTCGAGG GTGCTTGACA AGATCTGAAG GACCCTCGGA CTTTAGAGCA CCACCTCGGA

583’ CGCCTGGCAC CCCTGCCGCG CGGGCACGGC GACCTCCTCA GCTGCCAGGC CAGCCTCTGA
     ********** ********** ********** ** ******* *******.** **********
601″ CGCCTGGCAC CCCTGCCGCG CGGGCACGGC GAACTCCTCA GCTGCCANGC CAGCCTCTGA

643’ TCCCCGAGAG GGTCCCGTAG TGCTGCAGGG GAGGTGGGGA CCCGAATAAA GGAGCAGTTT
     ****** *** **
661″ TCCCCGCGAG GGGG
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1st Nucleotide Sequence
  File Name        : Reference Seq.GNU
  Sequence Size    : 5582

2nd Nucleotide Sequence
  File Name        : RDB7398R.fasta (Complementary)
  Sequence Size    : 724
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Unit Size to Compare = 1
Pick up Location     = 1



[98.474% / 721 bp]     INT/OPT.Score : <   2648/  2758 >

  721' CCGACGCTGG CTCTAAGGCT CGGCCAGTCT GTCTAAA-GC TGGT-ACAAG -TTTGC-TTT
                                  **** ******* ** **** *****  ***** ***
    1"                               CAGGTCT GTCTAAAGGC TGGTAACAAG TTTTGCTTTT

  777' GTAAAAC-AA AAGAAGGGAA AGGGGGAAGG GGA-CCCTGG CACAGATTTG GCTCGACCTG
       ******* ** ******** * ********** *** ****** ********** **********
   38" GTAAAACAAA AAGAAGGGGA AGGGGGAAGG GGACCCCTGG CACAGATTTG GCTCGACCTG

  835' GACATAGGCT GGGCCTGCAA GTCCGCGGGG ACCGGGTCCA GAGGGGCAGT GCTGGGAACG
        ********* **** ***** ********** ********** ********** **********
   98" AACATAGGCT GGGCTTGCAA GTCCGCGGGG ACCGGGTCCA GAGGGGCAGT GCTGGGAACG

  895' CCCCTCTCGG AAATTAACTC CTCAGGGCAC CCGCTCCCCT CCCATGCGCC GCCCCACTCC
       ********** ********** ********** ********** ********** **********
  158" CCCCTCTCGG AAATTAACTC CTCAGGGCAC CCGCTCCCCT CCCATGCGCC GCCCCACTCC

  955' CGCCGGAGAC TAGGTCCCGC GGGGGCCACC GCTGTCCACC GCCTCCGGCG GCCGCTGGCC
       ********** ********** ********** ********** ********** **********
  218" CGCCGGAGAC TAGGTCCCGC GGGGGCCACC GCTGTCCACC GCCTCCGGCG GCCGCTGGCC

 1015' TTGGGTCCCC GCTGCTGGTT CTCCTCCCTC CTCCTCGCAT TCTCCTCCTC CTCTGCTCCT
       ********** ********** ********** ********** ********** **********
  278" TTGGGTCCCC GCTGCTGGTT CTCCTCCCTC CTCCTCGCAT TCTCCTCCTC CTCTGCTCCT

 1075' CCCGATCCCT CCTCCGCCGC CTGGTCCCTC CTCCTCCCGC CCTGCCTCCC CGCGCCTCGG
       ********** ********** ********** ********** ********** **********
  338" CCCGATCCCT CCTCCGCCGC CTGGTCCCTC CTCCTCCCGC CCTGCCTCCC CGCGCCTCGG

 1135' CCCGCGCGAG CTAGACGTCC GGGCAGCCCC CGGCGCAGCG CGGCCGCAGC AGCCTCCGCC
       ********** ********** ********** ********** ********** ******* **
  398" CCCGCGCGAG CTAGACGTCC GGGCAGCCCC CGGCGCAGCG CGGCCGCAGC AGCCTCCTCC
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1195’ CCCCGCACGG TGTGAGCGCC CGACGCGGCC GAGGCGGCCG GAGTCCCGAG CTAGCCCCGG
      ********** ********** ** ******* ********** ********** **********
 458″ CCCCGCACGG TGTGAGCGCC CGCCGCGGCC GAGGCGGCCG GAGTCCCGAG CTAGCCCCGG

1255’ CGGCCGCCGC CGCCCAGACC GGACGACAGG CCACCTCGTC GGCGTCCGCC CGAGTCCCCG
      ********** ********** ********** ********** ********** **********
 518″ CGGCCGCCGC CGCCCAGACC GGACGACAGG CCACCTCGTC GGCGTCCGCC CGAGTCCCCG

1315’ CCTCGCCGCC AACGCCACAA CCACCGCGCA CGGCCCCCTG ACTCCGTCCA GTATTGATCG
      ********** ********** ********** ********** ********** **********
 578″ CCTCGCCGCC AACGCCACAA CCACCGCGCA CGGCCCCCTG ACTCCGTCCA GTATTGATCG

1375’ GGAGAGCATC AAGATCTGGC CTCGGCGGCC AAGCTTGGCA ATCCGGTACT GTTGGTAAAG
      ********** ********** ********** ********** ********** **********
 638″ GGAGAGCATC AAGATCTGGC CTCGGCGGCC AAGCTTGGCA ATCCGGTACT GTTGGTAAAG

1435’ CCACCATGGA AGATGCCAAA AACATTAAGA AGGGCCCAGC GCCATTCTAC CCACTCGAAG
      ********** ********** *******
 698″ CCACCATGGA AGATGCCAAA AACATTA
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