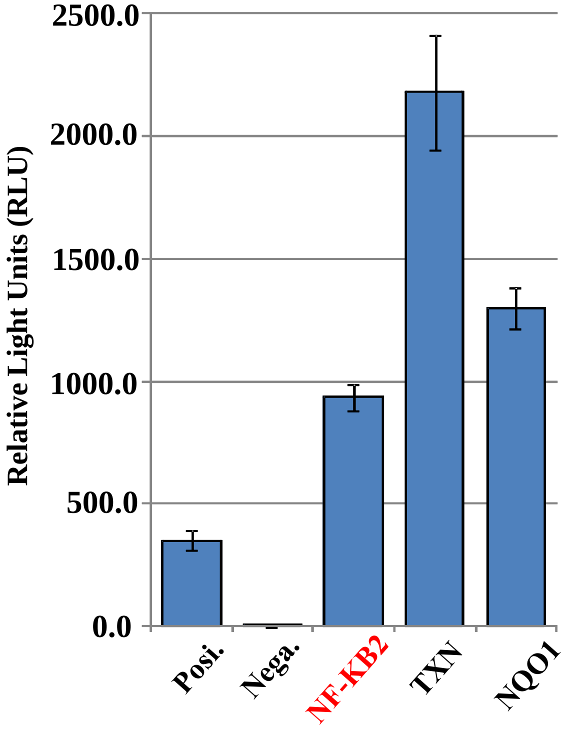
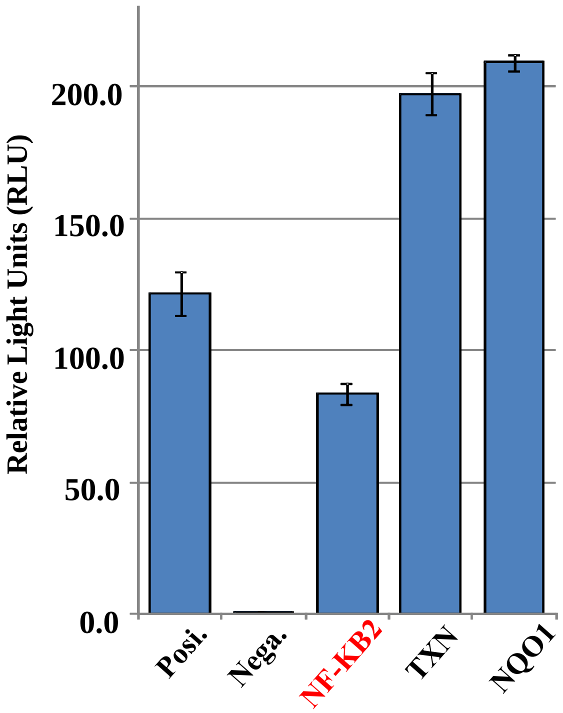
The Promoter Activities of Reporter Constructs

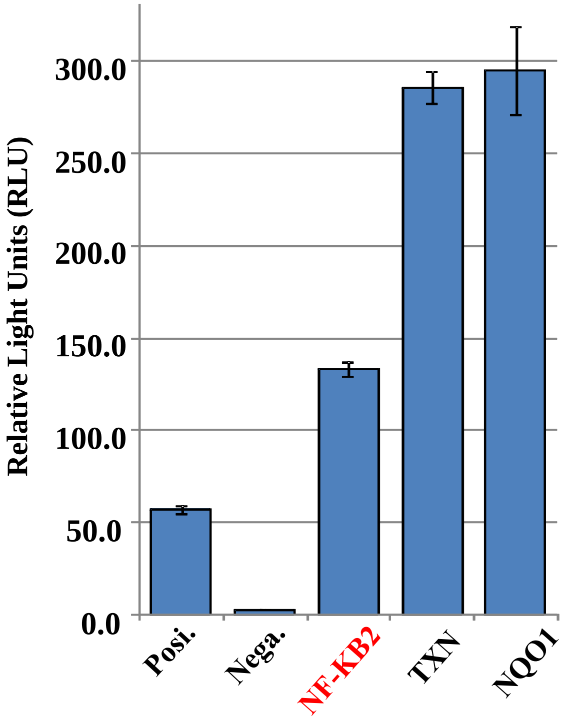
HeLa cells



HepG2 cells



Hep3B cells



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

NF-KB2: pGL4-phNF-KB2 (RDB# 7478)
TXN: pGL4-phTXN (RDB# 7518)
NQO1: pGL4-phNQO1 (RDB# 7570)

2010, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2009.08.28

1st Nucleotide Sequence
  File Name         : Reference Seq.gnu
  Sequence Size     : 5568

2nd Nucleotide Sequence
  File Name         : RDB7478F.fasta
  Sequence Size     : 716

  Unit Size to Compare = 1
  Pick up Location     = 1
[98.714% / 700 bp]     INT/OPT.Score : <    1870/  2706 >

     1’                     G GCCTAACTGG CCGGTACCTG AGCTCGCTAG CCTCGAGGAT
                            * ********** ********** ********** **********
     1″ GGTGCCAGAA CATTTCTCTG GCCTAACTGG CCGGTACCTG AGCTCGCTAG CCTCGAGGAT

    42’ CTGCGCCAGT CCAGAGTTAA ACTTTCAGCC NAATGAAAAA GGGCGCGAGG CGTGACGCAC
        ********** ********** **********  ********* ********** **********
    61″ CTGCGCCAGT CCAGAGTTAA ACTTTCAGCC -AATGAAAAA GGGCGCGAGG CGTGACGCAC

   102’ GGAAACGTCA TGGGAATTCC CNCCCTCCGG GGGGCCGAGA AGGGGCTTTC CCGGCCCTGA
        ********** ********** * ******** ********** ********** **********
   120″ GGAAACGTCA TGGGAATTCC C-CCCTCCGG GGGGCCGAGA AGGGGCTTTC CCGGCCCTGA

   162’ GCCCTGCTGG CANGGCGAGG TGTCGCGACC GGTCCCAGGT GGGTCGGGCG CGGAGAGAAG
        ********** ** ******* ********** ********** ********** **********
   179″ GCCCTGCTGG CA-GGCGAGG TGTCGCGACC GGTCCCAGGT GGGTCGGGCG CGGAGAGAAG

   222’ CCGNCAACCA GAGCCGCCGC CACGGTGAGT GGCTGGATTC AGACCCCTGG GTGGCCGGGA
        *** ****** ********** ********** ********** ********** **********
   238″ CCG-CAACCA GAGCCGCCGC CACGGTGAGT GGCTGGATTC AGACCCCTGG GTGGCCGGGA

   282’ CAAGAGAAAA GAGGGAGGAG GGCCTTTAGC GGACAGCGCC TGGGGCTGGA GAGCAGCAGC
        ********** ********** ********** ********** ********** **********
   297″ CAAGAGAAAA GAGGGAGGAG GGCCTTTAGC GGACAGCGCC TGGGGCTGGA GAGCAGCAGC
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342' TGCACACAGC CGGAAAGGGC GCGCAGGCGA CGACACTCGG ATCCACGTCG ACACCGTTGT
     ********** ********** ********** ********** ********** **********
357″ TGCACACAGC CGGAAAGGGC GCGCAGGCGA CGACACTCGG ATCCACGTCG ACACCGTTGT

402' ACAAAGATAC GCGGACCCGT ACGTACACCT GTACCTGTGC TGGCGCACAC ACGGCAGCGT
     ********** ********** ********** ********** ********** **********
417″ ACAAAGATAC GCGGACCCGT ACGTACACCT GTACCTGTGC TGGCGCACAC ACGGCAGCGT

462' CCGTGCAGTC GCACTCGCAC ACACATGCAC ACGGAGACGT GCCCACCGGT GCACTGGTGC
     ********** ********** ********** ********** ********** **********
477″ CCGTGCAGTC GCACTCGCAC ACACATGCAC ACGGAGACGT GCCCACCGGT GCACTGGTGC

522' CTGCACCCAC ACCCTTCACG CACAAACTCA AGATACGCTC ACCCGTGTCC GTACATCAAG
     ********** ********** ********** ********** *********  **********
537″ CTGCACCCAC ACCCTTCACG CACAAACTCA AGATACGCTC ACCCGTGTCT GTACATCAAG

582' ACAGGCGCTG ACACACACCC ACACTGAGAA GCTCGGGATT CACCTATCTA CACACATGCT
     ********** *********  ********** *********  ********** **********
597″ ACAGGCGCTG ACACACACCA ACACTGAGAA GCTCGGGATA CACCTATCTA CACACATGCT

642' CGCTTGCACA CTCATGTTGA CGCCATGGAC ACACAACATG CAACCAAGCA CTACAGCCGA
     ********** ******* ** ********** ****** *** ********** *********
657″ CGCTTGCACA CTCATGTCGA CGCCATGGAC ACACAAAATG CAACCAAGCA CTACAGCCGG




1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5568

2nd Nucleotide Sequence
  File Name        : RDB7478R.fasta (Complementary)
  Sequence Size    : 748

  Unit Size to Compare = 1
  Pick up Location     = 1
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[97.510% / 763 bp]     INT/OPT.Score : <   2578/  2821 >

  661’ ACGCCATGGA CACACAACAT GCAACCAAGC ACTACAGCCG AAACACACTT GTGGAGCTGT
                                  **** * *** **.*   ****** * ** ******
    1″                            AAGC A-TAC-GCNG --ACACAC-T GT-GAGCTG-

  721’ GATGGAGACA CACTCTTGTA TTAGGTGGGG GGGGGGGGGG GGGAGCGTGC AGAGATCTCC
       *** ****** ***** ****  *****      ********* ********** **********
   28″ GAT-GAGACA CACTC-TGTA -TAGGT---- -GGGGGGGGG GGGAGCGTGC AGAGATCTCC

  781’ CTGTCGCCTG CGCGCCCAGA A-CCGGTGCG GTGTGGGACC AGCTGCTGTT GTGAGGTTTG
       ********** ********** * ******** ******  ** ********** **********
   80″ CTGTCGCCTG CGCGCCCAGA ACCCGGTGCG GTGTGGACCC AGCTGCTGTT GTGAGGTTTG

  840’ GGAGAGAGAG AAAAGAGCCC ACTCCGAGGA GGAGACACTT TTCCCGCAGC CCCAGAATCG
       ********** ********** ********** ********** ********** **********
  140″ GGAGAGAGAG AAAAGAGCCC ACTCCGAGGA GGAGACACTT TTCCCGCAGC CCCAGAATCG

  900’ CGTTCTCGGG GCAGAACCCC GGGGCCTCCC ACAGGAAAGA GCCCCCGCCT ACAGGCTGTT
       ********** ********** ********** ********** ********** **********
  200″ CGTTCTCGGG GCAGAACCCC GGGGCCTCCC ACAGGAAAGA GCCCCCGCCT ACAGGCTGTT

  960’ CGAAGGGGAG GCCGTCCGAC AGCAGGAATG TCCCCCCAAA AGCCCCCGGG GTTTATCAGC
       ********** ********** ********** ********** ********** **********
  260″ CGAAGGGGAG GCCGTCCGAC AGCAGGAATG TCCCCCCAAA AGCCCCCGGG GTTTATCAGC

 1020’ CGTGGCCTCC CTCCTGGCAG AAAATCCCAA GGTTGCTCCA GACCGGGGGA GGGGAGCGGG
       ********** ********** ********** ********** ********** **********
  320″ CGTGGCCTCC CTCCTGGCAG AAAATCCCAA GGTTGCTCCA GACCGGGGGA GGGGAGCGGG

 1080’ AGGCGGACTT GGCCCCAGAC TGCCAGCCTC CTCCCGGCCG TGAAAGACCC TCCTGTTCCC
       ********** ********** ********** ********** ********** **********
  380″ AGGCGGACTT GGCCCCAGAC TGCCAGCCTC CTCCCGGCCG TGAAAGACCC TCCTGTTCCC

 1140’ TGCCCTGGAG GGAGGAGGGG GCTTAACCCC CACCGGGGCT TCCCGGATTC TCCTAGACCT
       ********** ********** ********** ********** ********** **********
  440″ TGCCCTGGAG GGAGGAGGGG GCTTAACCCC CACCGGGGCT TCCCGGATTC TCCTAGACCT

 1200’ CTGCCCGCTG AAAAGCAGCG GGAGCCCGTA GACTGTCGAG GGCCTCCCGC CCCTCCCGTC
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      ********** ********** ********** ********** ********** **********
 500″ CTGCCCGCTG AAAAGCAGCG GGAGCCCGTA GACTGTCGAG GGCCTCCCGC CCCTCCCGTC

1260’ GCGAGGGCGG GGCCAGTGGC GTCATTTCCA GGCCCGCCCC CTCCGGCCCC GCCTCCCCTT
      ********** ********** ********** ********** ********** **********
 560″ GCGAGGGCGG GGCCAGTGGC GTCATTTCCA GGCCCGCCCC CTCCGGCCCC GCCTCCCCTT

1320’ GGTATTTTCG GGACTTTCCT AAGCTGCTCT AACTTTCCTG CCCCTTCCAT CAAGATCTGG
      ********** ********** ********** ********** ********** **********
 620″ GGTATTTTCG GGACTTTCCT AAGCTGCTCT AACTTTCCTG CCCCTTCCAT CAAGATCTGG

1380’ CCTCGGCGGC CAAGCTTGGC AATCCGGTAC TGTTGGTAAA GCCACCATGG AAGATGCCAA
      ********** ********** ********** ********** ********** **********
 680″ CCTCGGCGGC CAAGCTTGGC AATCCGGTAC TGTTGGTAAA GCCACCATGG AAGATGCCAA

1440’ AAACATTAAG AAGGGCCCAG CGCCATTCTA CCCACTCGAA GACGGGACCG CCGGCGAGCA
      *********
 740″ AAACATTAA
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