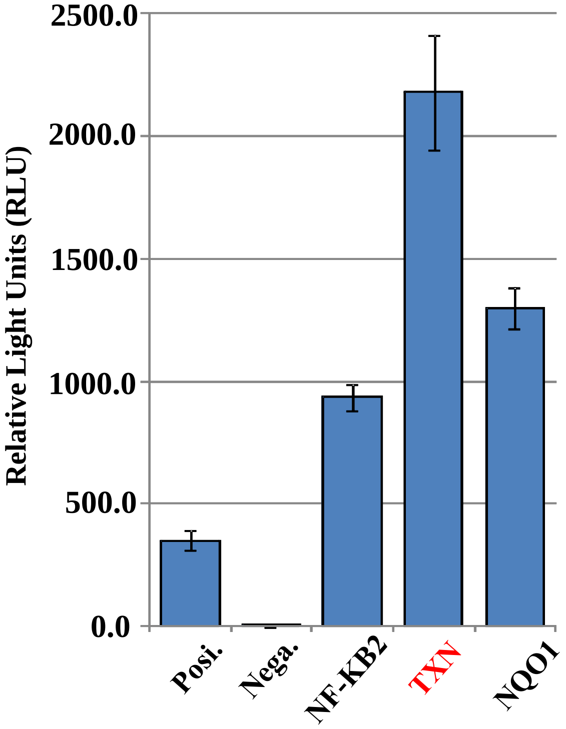
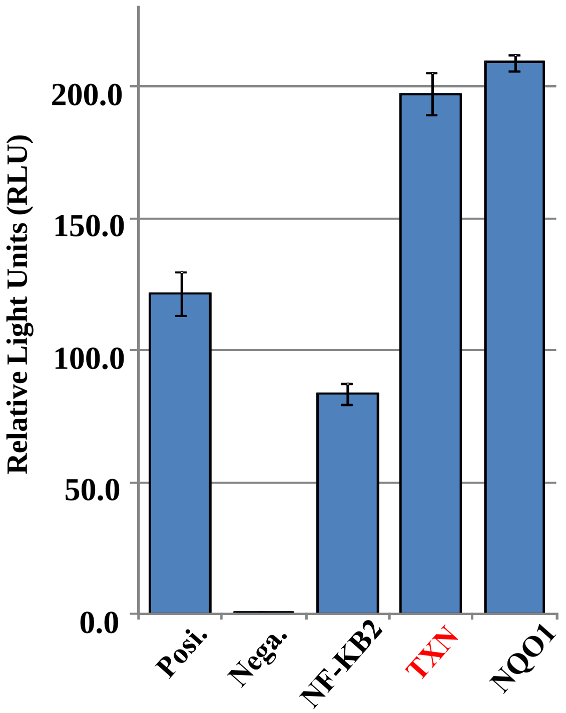
The Promoter Activities of Reporter Constructs

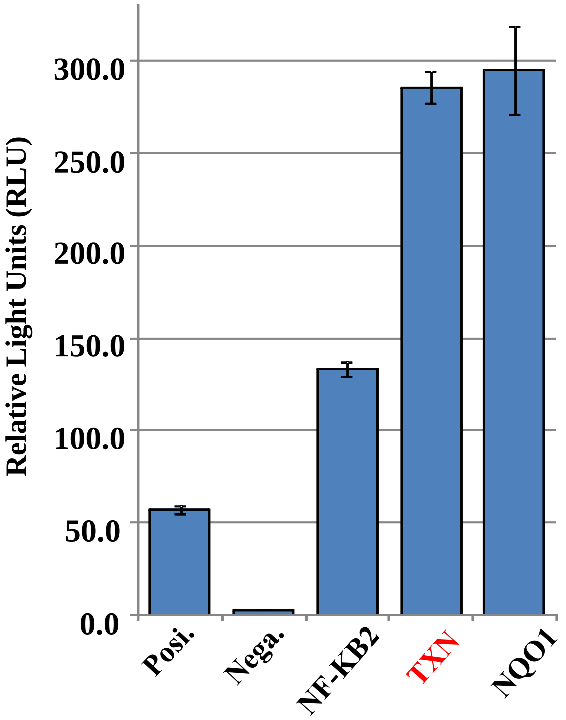
HeLa cells



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 : 2009.09.30

1st Nucleotide Sequence
  File Name          : Reference Seq.gnu
  Sequence Size      : 5641

2nd Nucleotide Sequence
  File Name          : RDB7518F.fasta
  Sequence Size      : 751

  Unit Size to Compare = 1
  Pick up Location     = 1

[96.779% / 745 bp]     INT/OPT.Score : <    390/  2678 >

     1'                         GGCCTAAC TGGCCGGTAC CTGAGCTCGC TAGCCTCGAG
                                ******** ********** ********** **********
     1" CGAGGTGCCA GAACATGTCT CTGGCCTAAC TGGCCGGTAC CTGAGCTCGC TAGCCTCGAG

    39' GAT-TCCTCA GCCCCCTAGA AACTTTGCAC AATAGATTCA AAACCTCNTG GTTTCCTCCC
        *** ****** ********** ********** ********** *******. *   ********
    61" GATGTCCTCA GCCCCCTAGA AACTTTGCAC AATAGATTCA AAACCTCTGG TGTTCCTCCC

    98' TTCCTCTGTC TGAAAGAGTG AAAGAAGGAA GCCAGGGANT TTCAGGGGGC AGCCAGGCAG
        ********** ********** ********** ******** * ********** **********
   121" TTCCTCTGTC TGAAAGAGTG AAAGAAGGAA GCCAGGGA-T TTCAGGGGGC AGCCAGGCAG

   158' CAGTATCACC ACCCCTAGGC AATCACACCN TAGTTGCAGC TTCATCGGGA ACAGCTCAGC
        ********** ********** *********  ********** ********** **********
   180" CAGTATCACC ACCCCTAGGC AATCACACC- TAGTTGCAGC TTCATCGGGA ACAGCTCAGC

   218' TCTGAAAACA CAGACCTGGG NACTCTCCCT CCCAGCCTTC TAGCTCTCGT TCCTGTGAGC
        ********** **********  ********* ********** ********** **********
   239" TCTGAAAACA CAGACCTGGG -ACTCTCCCT CCCAGCCTTC TAGCTCTCGT TCCTGTGAGC

   278' AGCTTTTCAA CNCTCCACTT CCAGCCGCTG ACAGGCCCTC CTGGCTCCAC AAGGCCAGCT
        ********** * ******** ********** ********** ********** **********
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298″ AGCTTTTCAA C-CTCCACTT CCAGCCGCTG ACAGGCCCTC CTGGCTCCAC AAGGCCAGCT

338’ AANCATACCC ACCTTCCACA ATCCCCAGCC CTGCCAGACA TAACCTGCAA CAGNGCATTC
     ** ******* ********** ********** ********** ********** *** ******
357″ AA-CATACCC ACCTTCCACA ATCCCCAGCC CTGCCAGACA TAACCTGCAA CAG-GCATTC

398’ CTGGATCAAT GCAAACTCCG ACTTCTGTTC CAGGAGTCTG CCTCNTGTTA GAAGAATCTC
     ********** ********** ********** ********** **** ***** **********
415″ CTGGATCAAT GCAAACTCCG ACTTCTGTTC CAGGAGTCTG CCTC-TGTTA GAAGAATCTC

458’ ACACAAGTGT GCGTGCTGTG CCATTGTAAA TGCTGNTATA AGGTGGCCAG GCCCAATCAG
     ********** ********** ********** ***** **** ********** **********
474″ ACACAAGTGT GCGTGCTGTG CCATTGTAAA TGCTG-TATA AGGTGGCCAG GCCCAATCAG

518’ TCCCTGCAAG ACACCGAACA GTAAGANACT ATCTATGGAG TGTTTACTAT GTGCCAAGCA
     ********** ********** ****** *** ********** ********** **********
533″ TCCCTGCAAG ACACCGAACA GTAAGA-ACT ATCTATGGAG TGTTTACTAT GTGCCAAGCA

578’ CCGTCCTTTG CAAGCACNTA TTAACCCTCA AAATACCACC ACCGTGAGAT TGAGACCATC
     ********** ******* ** ********** ********** ********** **********
592″ CCGTCCTTTG CAAGCAC-TA TTAACCCTCA AAATACCACC ACCGTGAGAT TGAGACCATC

638’ ATGATTCCNC GTTCTACAGA AGGAAACACT GAGACTTCAG GAGGTCAGGA CCTTTCCAGN
     ******** * ********** ********** ***** *.*. ********** ***** ***
651″ ATGATTCC-C GTTCTACAGA AGGAAACACT GAGAC-TNAN GAGGTCAGGA CCTTT-CAG-

698’ GGTCACAACT GCGTAACTAA GTTGCAGAGC TCAACCCAGT GGCACTTCCA NTCTCACACG
     ********** ********** * *.****** **********  ******
707″ GGTCACAACT GCGTAACTAA G-TNCAGAGC TCAACCCAGT -GCACTT
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1st Nucleotide Sequence

File Name : Reference Seq.gnu

Sequence Size : 5641

2nd Nucleotide Sequence

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  File Name          : RDB7518R.fasta (Complementary)
  Sequence Size      : 756

  Unit Size to Compare = 1
  Pick up Location     = 1

[94.531% / 768 bp]     INT/OPT.Score : <    427/  2672 >

   721’ GCAGAGCTCA ACCCA-GTGG CA-CTTCCAN TCTCACACGC AGCTGTCTGA TGGTCAAGAG
             * *** * *** ** * ** *.****. *********  ********** **********
     1″      GGTCA AACCACGTCG CANCNTCCAT TCTCACACG- AGCTGTCTGA TGGTCAAGAG

   779’ --CCCAACCA GTCCCCCGGT CGNTTTCTAC CGCACTAAAC CGCTGTGTCA AGCTGGAGCA
          ** ***** ******** * **.**    * ***.****** **********  ****  **.
    55″ CCCCAAACCA GTCCCCCGTT CGTTTCTACC CGCNCTAAAC CGCTGTGTCA GGCTGAGGCN

   837’ GCGGGCTCAG CAGNTGAAAA TGAAAGAACA GAAGGAGGTT ACAGAGAAGA GAA-CGGTCA
        ********.* *** ****** ********** ** ******* ********** *** ** **.
   115″ GCGGGCTCNG CAG-TGAAAA TGAAAGAACA GAGGGAGGTT ACAGAGAAGA GAACCGTTCN

   896’ CGGTANAATT CCGGAGAGGA -GGCAAGGAC GTACACACCG AGATACTTCC CGGTCACNCG
        ***** **** **********  ********* ********** ********** ******* **
   174″ CGGTA-AATT CCGGAGAGGA GGGCAAGGAC GTACACACCG AGATACTTCC CGGTCAC-CG

   955’ TTACTCAGCA CTTTGTGGGG TTCACGTGGC TGGGGGGGCC GGGGCGTGNG CGGCCCTTTT
        ********** ********** ********** ********** ******** * **********
   232″ TTACTCAGCA CTTTGTGGGG TTCACGTGGC TGGGGGGGCC GGGGCGTG-G CGGCCCTTTT

  1015’ CGAGGAATCC AGCCCTGCCT GGGCGGTCCC CATCTCGAGN CGTGGGCGTG TTCGATTCAG
        ********** ********** ********** *********  ********** **********
   291″ CGAGGAATCC AGCCCTGCCT GGGCGGTCCC CATCTCGAG- CGTGGGCGTG TTCGATTCAG

  1075’ GCCCGGCGGA CGCATCCCCA GGTGACCCGG NGAGGGACCT TGTGTCTCTG GGGGTGACTG
        ** ******* ********** **********  ********* ********** **********
   350″ GCTCGGCGGA CGCATCCCCA GGTGACCCGG -GAGGGACCT TGTGTCTCTG GGGGTGACTG

  1135’ TCCGTCTCCC CGCCTCCCAC CNGTCACGCG CAGTGCTGAT CCCCACTTCC AGCTGGAGTG
        ********** ********** * ******** ********** ********** **********
   409″ TCCGTCTCCC CGCCTCCCAC C-GTCACGCG CAGTGCTGAT CCCCACTTCC AGCTGGAGTG
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1195' CGAGCTGGGC TTNGGGGTTA CAGGAGCCGA AGCCCTGGAG CTCCGCCCCA CGCTTGCGCC
      ********** ** ******* ********** ********** ********** **********
 468″ CGAGCTGGGC TT-GGGGTTA CAGGAGCCGA AGCCCTGGAG CTCCGCCCCA CGCTTGCGCC

1255' AGCNCCCGCC CCGATCCCGG CTCGCAGGCT CCAGGGGCGG GGCGTGGCCG GGGCNGCAGC
      *** ****** ********** ********** ********** ********** **** *****
 527″ AGC-CCCGCC CCGATCCCGG CTCGCAGGCT CCAGGGGCGG GGCGTGGCCG GGGC-GCAGC

1315' GACGGGCGCG GAGGTCCGGC CGGGCGCGCG CGCCCCCGCC ACACGNCACG CCGGGCGTGC
      ********** ********** ********** ********** **** .**** **********
 585″ GACGGGCGCG GAGGTCCGGC CGGGCGCGCG CGCCCCCGCC ACACCGCACG CCGGGCGTGC

1375' CAGTTTATAA AGGGAGAGAG CAAGCAGCGA GTCTTGNAAG CTCTGTTTGG TGCTTTGGAT
      ********** ********** ********** ****** *** ********** **********
 645″ CAGTTTATAA AGGGAGAGAG CAAGCAGCGA GTCTTG-AAG CTCTGTTTGG TGCTTTGGAT

1435' CCATTTATCA AGATCTGGCC TCGGCGGCCA AGCTTGGCAA TCCGGTACTG TTGGTAAAGC
      ********** ********** ********** ********** ********** ***
 704″ CCATTTATCA AGATCTGGCC TCGGCGGCCA AGCTTGGCAA TCCGGTACTG TTG
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