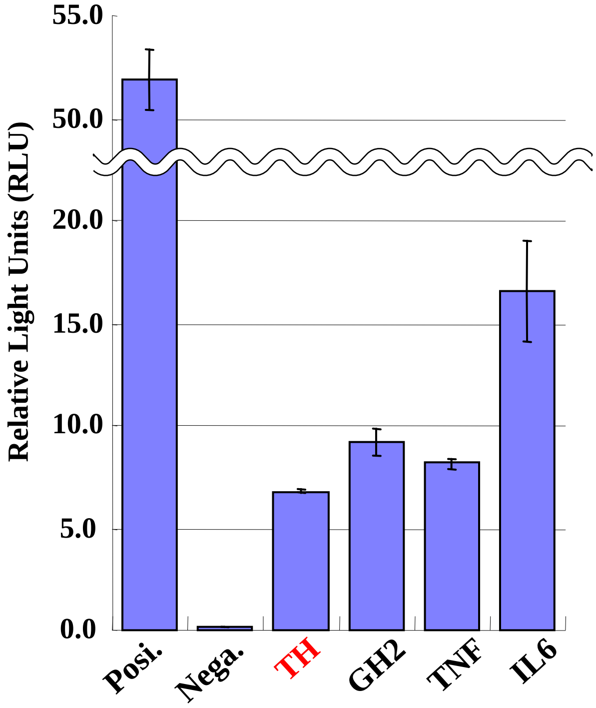
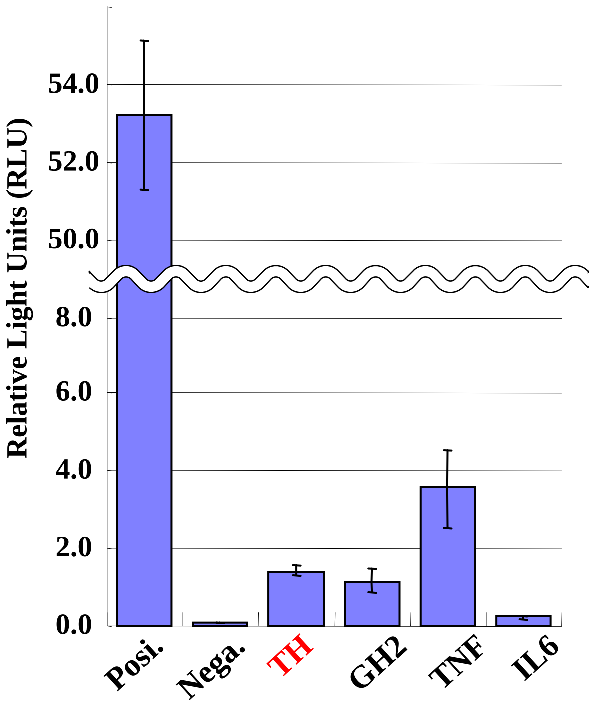
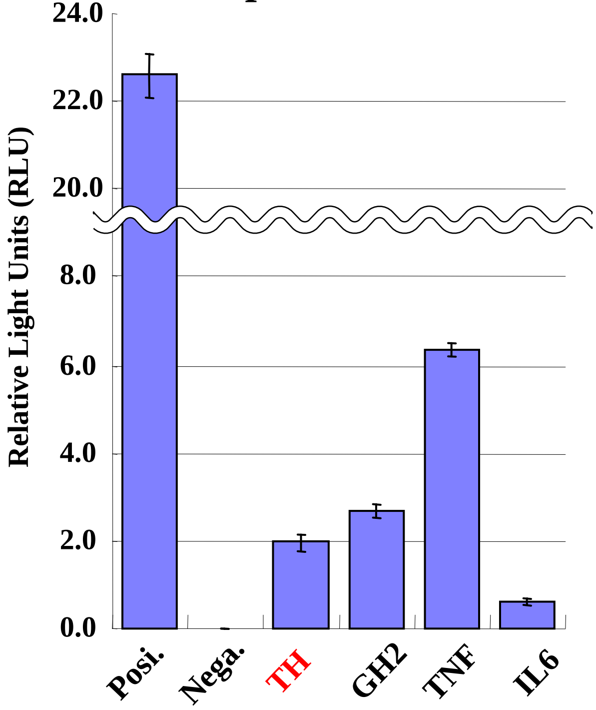
The Promoter Activities of Reporter Constructs


HeLa cells


HepG2 cells


Hep3B cells

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

TH: pGL4-phTH (RDB#7301)
GH2: pGL4-phGH2(RDB#7309)
TNF:pGL4-phTNF (RDB#7310)
IL6: pGL4-phIL6 (RDB#7313)

2009, DNA Bank, RIKEN BioResource Center

```
[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2009.06.25

1st Nucleotide Sequence
  File Name         : Reference Seq.GNU
  Sequence Size     : 5422

2nd Nucleotide Sequence
  File Name         : RDB7301F.fasta
  Sequence Size     : 531

  Unit Size to Compare = 1
  Pick up Location     = 1



[96.724% / 519 bp]     INT/OPT.Score : <    544/  1857 >

      1’                    GG CCTAACTGGC CGGTACCTGA G-CTCGCTAG CCTCGAGGAT
                            ** ********** ********** * ******** **********
      1″ GTGCCAGAAC ATGTCTCTGG CCTAACTGGC CGGTACCTGA GACTCGCTAG CCTCGAGGAT

     42’ -TCTGGCCAT CTCTGCTGAC CCCAGAGGGN ATGGGGAGGC CTCCCCTTCC ACCAGAAGGG
          ********* ********** ******* *  ********** ********** **********
     61″ GTCTGGCCAT CTCTGCTGAC CCCAGAGTG- ATGGGGAGGC CTCCCCTTCC ACCAGAAGGG

    101’ CCAGAAGCCA CCCT-GGGCA GNGGGCATCA CTCTCCCTGG GTGGGGCAGC GGCTGGGAGC
         ********** **** ***** *.**   *** ********** ********** **********
    120″ CCAGAAGCCA CCCTGGGGCA GGGGCAGTCA CTCTCCCTGG GTGGGGCAGC GGCTGGGAGC

    160’ AGGAGGTGCC AGNTGGGCGT GGGCTGGATG CGGG-TGCCT GCGGGGCGGA CATGGAACTT
         ********** ** ******* ********** **** ***** ********** **********
    180″ AGGAGGTGCC AG-TGGGCGT GGGCTGGATG CGGGTTGCCT GCGGGGCGGA CATGGAACTT

    219’ GGGGNGAGGC TCTAGGCTGG GGTTGTCCTC AAGGGAGTTC TCAGGTCACC CCAGGNGTCA
         **** ***** ********** ********** ********** ********** ***** ****
    239″ GGGG-GAGGC TCTAGGCTGG GGTTGTCCTC AAGGGAGTTC TCAGGTCACC CCAGG-GTCA
```

```
279' CCCTCAACCC GGGGCCTGGT GGGGTAGAGG AGAAACTGCA AAGGTCNTCT CCAAGGGGAA
     ********** ********** ********** ********** ****** *** **********
297″ CCCTCAACCC GGGGCCTGGT GGGGTAGAGG AGAAACTGCA AAGGTC-TCT CCAAGGGGAA

339' GGCATCAGGG CCCTCAGCAC TGAGGGACGT GCGTGCTNCT TTAAAGAAGG GGCCACAGGA
     ********** ********** ********** ******* ** ********** **********
356″ GGCATCAGGG CCCTCAGCAC TGAGGGACGT GCGTGCT-CT TTAAAGAAGG GGCCACAGGA

399' CCCCGAGGGA AGCCAGGAGC TAGCAGTGNG GCCATAGAGG GGCTGAGTGG GGTGGGTGGA
     ********** ********** ******** * ********** ********** **********
415″ CCCCGAGGGA AGCCAGGAGC TAGCAGTG-G GCCATAGAGG GGCTGAGTGG GGTGGGTGGA

459' AGCCGTCCCT GGCCCTGGTN CGCCCTGGCA ACCCTGGTGG GGACTGTGAT GCAGGAGGTG
     ********** *********  ********** ********** ********** *******
474″ AGCCGTCCCT GGCCCTGGT- CGCCCTGGCA ACCCTGGTGG GGACTGTGAT GCAGGAGTG




1st Nucleotide Sequence
  File Name         : Reference Seq.GNU
  Sequence Size     : 5422

2nd Nucleotide Sequence
  File Name         : RDB7301R.fasta (Complementary)
  Sequence Size     : 549

  Unit Size to Compare = 1
  Pick up Location     = 1



[96.057% / 558 bp]     INT/OPT.Score : <    396/  1898 >

721' ACACGGCCTG GANATCTTCT GGAGAAGCAA ACAAATTGCC TCCTGACATC TGAGGCTGGA
                                             ** ********** **********
  1″                                         CC TCCTGACATC TGAGGCTGGA
```

```
 781' GGCNTGGATT CCCCGTCTTG GGGCTTTCTG GGTCGGTCTG CCACGAGGTT CTGGNTGTTC
      *** ****** ********** ********** ********** ********** **** *****
  23″ GGC-TGGATT CCCCGTCTTG GGGCTTTCTG GGTCGGTCTG CCACGAGGTT CTGG-TGTTC

 841' ATTAAAAGTG TGCCCCTGGG CTGCCAGAAA GCCCCTCCCT GTGTGNCTCT CTTGAGGGCT
      ********** ********** ********** ********** ***** **** **********
  81″ ATTAAAAGTG TGCCCCTGGG CTGCCAGAAA GCCCCTCCCT GTGTG-CTCT CTTGAGGGCT

 901' GTGGGGCCAA GGGGACCCTG GCTGTCTCAG CCCCCCNGCA GAGCACGAGC CCCTGGTCCC
      ********** ********** ********** ****** *** ********** **********
 140″ GTGGGGCCAA GGGGACCCTG GCTGTCTCAG CCCCCC-GCA GAGCACGAGC CCCTGGTCCC

 961' CGCAAGCCCG CGGGCTGAGG ATGATTCNAG ACAGGGCTGG GGAGTGAAGG CAATTAGATT
      ********** ********** ******* ** ********** ********** **********
 199″ CGCAAGCCCG CGGGCTGAGG ATGATTC-AG ACAGGGCTGG GGAGTGAAGG CAATTAGATT

1021' CCACGGACGA GCCCTTTCNT CCTGCGCCTC CCTCCTTCCT CACCCACCCC CGCCTCCATC
      ********** ******** * ********** ********** ********** **********
 258″ CCACGGACGA GCCCTTTC-T CCTGCGCCTC CCTCCTTCCT CACCCACCCC CGCCTCCATC

1081' AGGCACAGCN AGGCAGGGGT GGGGGA-TGT AAGGAGGGGA AGGTGGGGGA CCCAGAGGGG
      *********  ********** ****** *** ********** ********** **********
 317″ AGGCACAGC- AGGCAGGGGT GGGGGACTGT AAGGAGGGGA AGGTGGGGGA CCCAGAGGGG

1140' GNCTTTGACG TCAGCTCAGC TT--ATAAGA GGCTGCTGGG CCAGGGCTGT GGAGNACGGA
      * ******** ********** **  ****** ********** ********** **** *****
 376″ G-CTTTGACG TCAGCTCAGC TTACATAAGA GGCTGCTGGG CCAGGGCTGT GGAG-ACGGA

1198' GCCCGG-ACC TCCACACTGA G-CCATATCA AG-ATCTGGC CTCGGCGGCC AAGCTTGGCA
      ****** *** ********** * ******** ** ******* ********** **********
 434″ GCCCGGCACC TCCACACTGA GCCCATATCA AGAATCTGGC CTCGGCGGCC AAGCTTGGCA

1255' -ATCCGGT-A CTGTTGGTAA AGCCA-CCAT GGAA-GATG- CCAAA-AACA TTAAGAAGGG
       ******* * ********** ***** **** **** ****  ***** **** **** *
 494″ CATCCGGTAA CTGTTGGTAA AGCCACCCAT GGAACGATGC CCAAACAACA TTAAAA
```