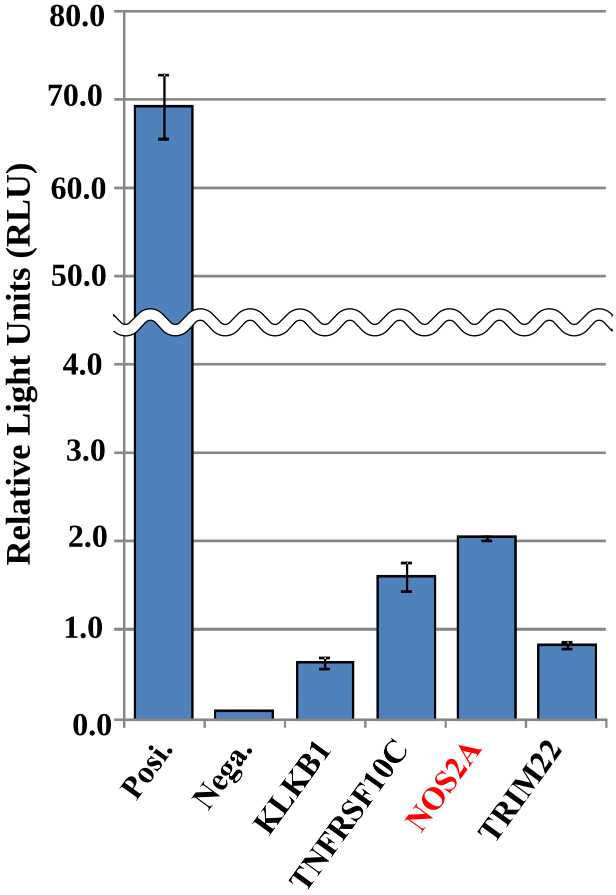
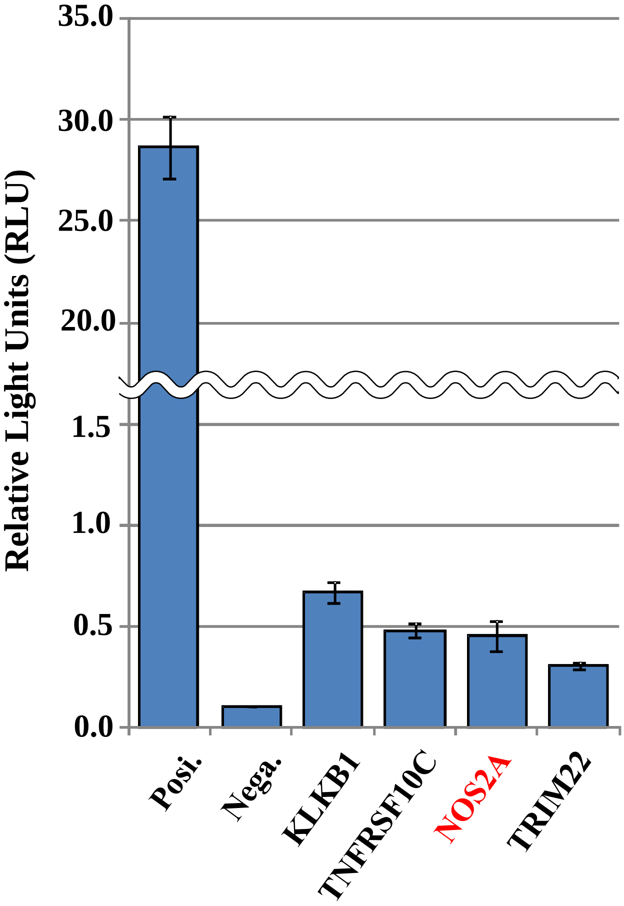
The Promoter Activities of Reporter Constructs

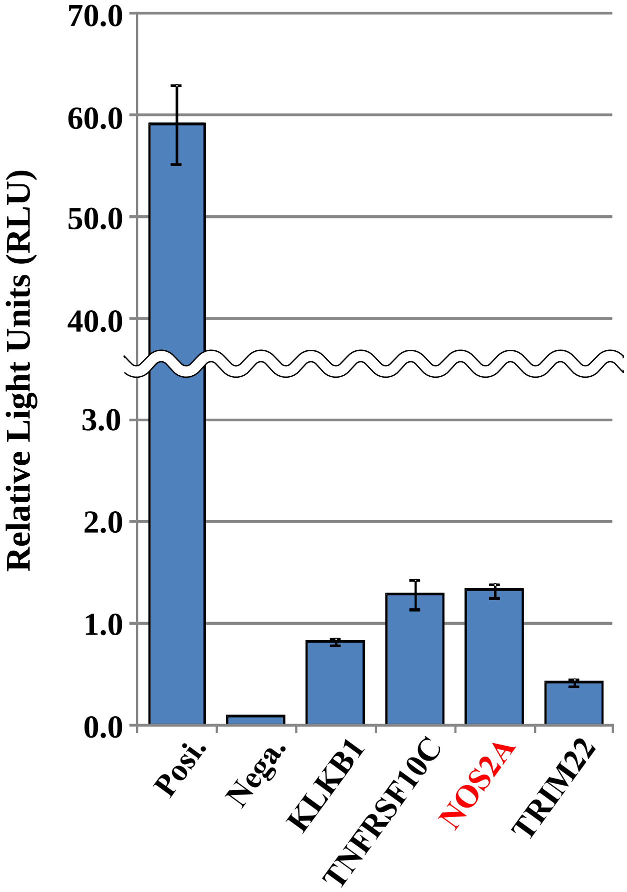
HeLa cells



HepG2 cells



Hep3B cells



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

KLKB1: pGL4-phKLKB1 (RDB# 7373)
TNFRSF10C: pGL4-ph TNFRSF10C (RDB# 7375)
NOS2A: pGL4-phNOS2A (RDB# 7377)
TRIM22: pGL4-phTRIM22 (RDB#7382)

20010 DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.03.02

1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5546

2nd Nucleotide Sequence
  File Name        : RDB7377F.fasta
  Sequence Size    : 461

  Unit Size to Compare = 1
  Pick up Location     = 1



[99.544% / 439 bp]     INT/OPT.Score : <   1536/  1734 >

     1'                        GGCCTAACT GGCCGGTACC TGAGCTCGCT AGCCTCGAGG
                               ********* ********** ********** **********
     1″ AGGTGCCAGA ACATTTTCTC TGGCCTAACT GGCCGGTACC TGAGCTCGCT AGCCTCGAGG

    40' ATCGGTGAGA TCAA-GGGTG ACTTTTTTTC CCTTTGCTTC TCAACTTCTC CCTAATGTAG
        ********** **** ***** ********** ********** ********** **********
    61″ ATCGGTGAGA TCAAGGGGTG ACTTTTTTTC CCTTTGCTTC TCAACTTCTC CCTAATGTAG

    99' TTGTTATTTT ACTTTTATGA TGGAAAAATG CATATGTATG GGAATACTGT ATTTCAGGCA
        ********** ********** ********** ********** ********** **********
   121″ TTGTTATTTT ACTTTTATGA TGGAAAAATG CATATGTATG GGAATACTGT ATTTCAGGCA

   159' TTATAAGGAA TGAAATTATA GGCCGGGCAT GGTGGCTAAC CCTTGTAATC CTAGCACTTT
        ********** ********** **********  ********* ********** **********
   181″ TTATAAGGAA TGAAATTATA GGCCGGGCAT TGTGGCTAAC CCTTGTAATC CTAGCACTTT

   219' GAGAGGCTGA AGTGGGCAGA TCACTTGAGC TTCAGAGTTC GAGACCAGCA TGGACAACAT
        ********** ********** ********** ********** ********** **********
   241″ GAGAGGCTGA AGTGGGCAGA TCACTTGAGC TTCAGAGTTC GAGACCAGCA TGGACAACAT
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   279’ GGTGAAACCC AGTCTCTACC AAAAACACAA AAATATTAGC TGGGTGTGGT GGTGCATGCC
        ********** ********** ********** ********** ********** **********
   301″ GGTGAAACCC AGTCTCTACC AAAAACACAA AAATATTAGC TGGGTGTGGT GGTGCATGCC

   339’ TGTAGTCCCA GCTACTCAGG AGGCTGAGGT GGGAGGATCG CTTGAGCCTG GGAGGCAGAA
        ********** ********** ********** ********** ********** **********
   361″ TGTAGTCCCA GCTACTCAGG AGGCTGAGGT GGGAGGATCG CTTGAGCCTG GGAGGCAGAA

   399’ GTTGCAATGA GCAGAGATCG TGCCACTCCG CTCCAGTCTT GGTGACAGAA TGAGACTCCA
        ********** ********** ********** **********
   421″ GTTGCAATGA GCAGAGATCG TGCCACTCCG CTCCAGTCTT T




1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5546

2nd Nucleotide Sequence
  File Name        : RDB7377R.fasta (Complementary)
  Sequence Size    : 795

  Unit Size to Compare = 1
  Pick up Location     = 1



[98.363% / 794 bp]     INT/OPT.Score : <   1878/  3062 >

   601’ AAGGATGAGG TGTTAGTAAG ACCAACATCT CAGAGGCCTC TC-TGTGCCA ATAGCCTTCC
                                         **.*.***  ** ******* **********
     1″                               TC AAGNGNCCTT TCGTGTGCCA ATAGCCTTCC

   660’ TTCCTTTCCC TT-CCAAAAA CCTCAAGTGA CTAGTTCAGA GGCCTGTCTG GAATAATGGC
        ********** ** ******  ********** ********** ********** **********
    33″ TTCCTTTCCC TTCCCAAAAC CCTCAAGTGA CTAGTTCAGA GGCCTGTCTG GAATAATGGC
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 719' ATCATCTAAT ATCACTGGCC TTCTGGAACC TGGGCATTTT CCAGTGTGTT CCATACTGTC
      ********** ********** ********** ********** ********** * ********
  93″ ATCATCTAAT ATCACTGGCC TTCTGGAACC TGGGCATTTT CCAGTGTGTT CAATACTGTC

 779' AATATTCCCC CAGCTTCCTG GACTCCTGTC ACAAGCTGGA AAAGTGAGAG GATGGACAGG
      ********** **********  ********* ********** ********** **********
 153″ AATATTCCCC CAGCTTCCTG AACTCCTGTC ACAAGCTGGA AAAGTGAGAG GATGGACAGG

 839' GATTAACCAG AGAGCTCCCT GCTGAGGAAA AAATCTCCCA GATGCTGAAA GTGAGGCCAT
      ********** ********** ********** ********** ********** **********
 213″ GATTAACCAG AGAGCTCCCT GCTGAGGAAA AAATCTCCCA GATGCTGAAA GTGAGGCCAT

 899' GTGGCTTGGC CAAATAAAAC CTGGCTCCGT GGTGCCTCTA TCTTAGCAGC CACCCTGCTG
      ********** ********** ********** *********  ********** **********
 273″ GTGGCTTGGC CAAATAAAAC CTGGCTCCGT GGTGCCTCTG TCTTAGCAGC CACCCTGCTG

 959' ATGAACTGCC ACCTTGGACT TGGGACCAGA AAGAGGTGGG TTGGGTGAAG AGGCACCACA
      ********** ********** ********** ********** ********** **********
 333″ ATGAACTGCC ACCTTGGACT TGGGACCAGA AAGAGGTGGG TTGGGTGAAG AGGCACCACA

1019' CAGAGTGATG TAACAGCAAG ATCAGGTCAC CCACAGGCCC TGGCAGTCAC AGTCATAAAT
      ********** ********** ********** ********** ********** **********
 393″ CAGAGTGATG TAACAGCAAG ATCAGGTCAC CCACAGGCCC TGGCAGTCAC AGTCATAAAT

1079' TAGCTAACTG TACACAAGCT GGGGACACTC CCTTTGGAAA CCAAAAAAAA AAAAAAAAAA
      ********** ********** ********** ********** **  ****** **********
 453″ TAGCTAACTG TACACAAGCT GGGGACACTC CCTTTGGAAA CC--AAAAAA AAAAAAAAAA

1139' AAGAGACCTT TATGCAAAAA CAACTCTCTG GATGGCATGG GGTGAGTATA AATACTTCTT
      ********** ********** ********** ********** ********** **********
 511″ AAGAGACCTT TATGCAAAAA CAACTCTCTG GATGGCATGG GGTGAGTATA AATACTTCTT

1199' GGCTGCCAGT GTGTTCATAA CTTTGTAGCG AGTCGAAAAC TGAGGCTCCG GCCGCAGAGA
      ********** ********** ********** ********** ********** *** ******
 571″ GGCTGCCAGT GTGTTCATAA CTTTGTAGCG AGTCGAAAAC TGAGGCTCCG GCCCCAGAGA

1259' ACTCAGCCTC ATTCCTGCTT TAAAATCTCT CGGCCACCTT TGATGAGGGG ACTGGGCAGT
      ********** ********** ********** ********** ********** **********
 631″ ACTCAGCCTC ATTCCTGCTT TAAAATCTCT CGGCCACCTT TGATGAGGGG ACTGGGCAGT
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```
1319' TCTAGACAGT CCCGAAGTTC TCAAGGCATC AAGATCTGGC CTCGGCGGCC AAGCTTGGCA
      ********** ********** ********** ********** ********** **********
 691″ TCTAGACAGT CCCGAAGTTC TCAAGGCATC AAGATCTGGC CTCGGCGGCC AAGCTTGGCA

1379' ATCCGGTACT GTTGGTAAAG CCAC-CATGG AAGATGCCAA AAACATTAAG AAGGGCCCAG
      ********** ********** **** ***** ********** *****
 751″ ATCCGGTACT GTTGGTAAAG CCACNCATGG AAGATGCCAA AAACA
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