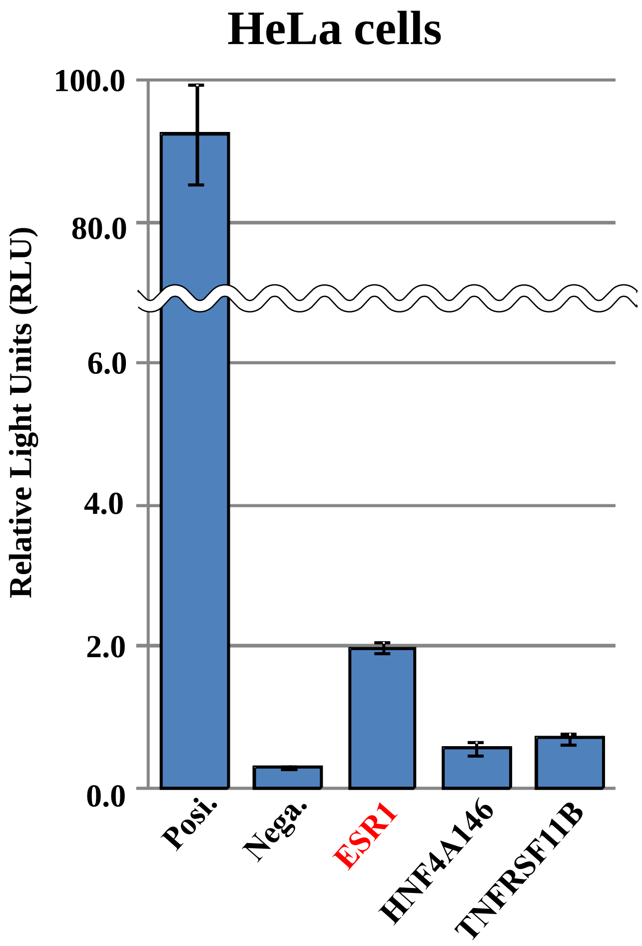
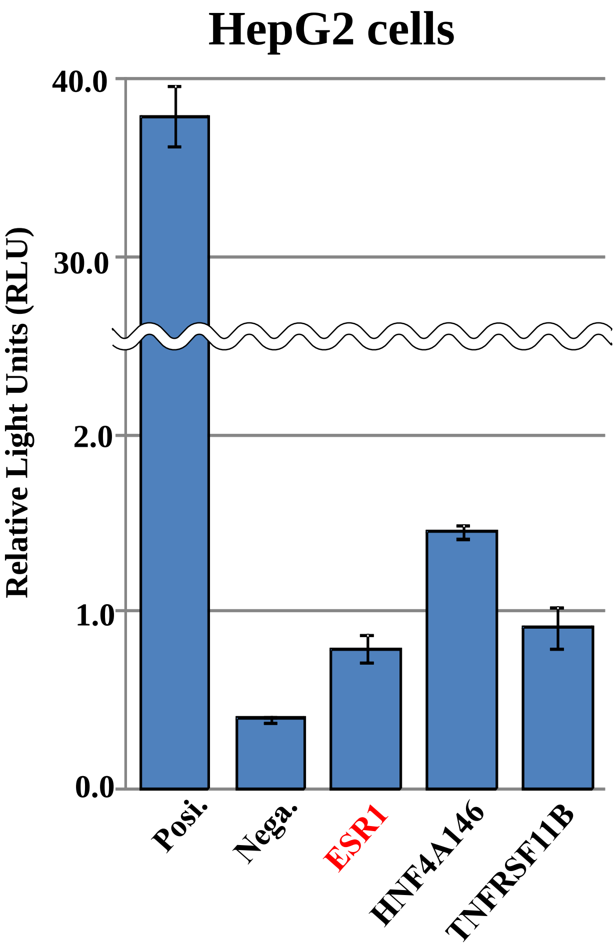
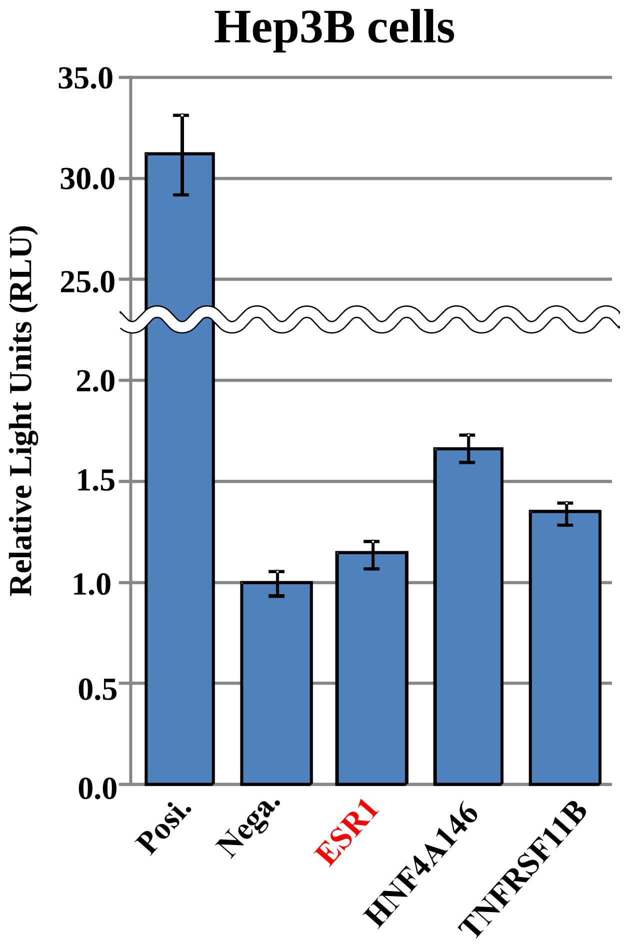
The Promoter Activities of Reporter Constructs


HeLa cells


HepG2 cells


Hep3B cells

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

ESR1: pGL4-phESR1(RDB# 7528)
HNF4A146: pGL4-phHNF4A 146(RDB# 7534)
TNFRSF11B: pGL4-phTNFRSF11B(RDB# 7533)

2010, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2009.10.29

1st Nucleotide Sequence
  File Name       : Reference Seq.GNU
  Sequence Size   : 5708

2nd Nucleotide Sequence
  File Name       : RDB7528F.fasta
  Sequence Size   : 757

  Unit Size to Compare = 1
  Pick up Location     = 1



[94.195% / 758 bp]     INT/OPT.Score : <    383/  2552 >

     1'               GGCCTAA CTGGCCGGTA CCTGAG-CTC GCTAGCCTCG AGGATTTGCT
                      ******* ********** ****** *** ***** *    **********
     1" CCGAACTTTC TCTGGCCTAA CTGGCCGGTA CCTGAGACTC GCTAGACCTC AGGATTTGCT

    47' GGCCATAAAG GGAAATATCT GCGATGCACC TAATGTGTTT TTANACCCTT TATTTGCTGA
        ********** ********** ********** ********** *** ****** **********
    61" GGCCATAAAG GGAAATATCT GCGATGCACC TAATGTGTTT TTA-ACCCTT TATTTGCTGA

   107' CAATCTATAG TCATTAATGC TAAACTCGAT TTTGNGCTTC AGCTACATTT GCATATTGTC
        ********** ********** ********** **** ***** ********** **********
   120" CAATCTATAG TCATTAATGC TAAACTCGAT TTTG-GCTTC AGCTACATTT GCATATTGTC

   167' CAACAATGGT CTATTTTTGT AAGAANTTAG ATAAAATGTA TACTTGATAT AAAATAGTCA
        ********** ********** ***** **** ********** ********** **********
   179" CAACAATGGT CTATTTTTGT AAGAA-TTAG ATAAAATGTA TACTTGATAT AAAATAGTCA

   227' AAAATGTAAC TCTTAGNTAA CAGTAAGCTT GGCATTTAGA TAGACCATGA ACACTTCGTC
        ********** ****** *** ********** ********** ********** **********
   238" AAAATGTAAC TCTTAG-TAA CAGTAAGCTT GGCATTTAGA TAGACCATGA ACACTTCGTC
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287' AGATACTNCT GTTGGGTGTT TGGGATAGCA ATTAAAACAA AGTATTGATA GTTGTATCNA
     ******* ** ********** ********** ********** ********** ******** *
297″ AGATACT-CT GTTGGGTGTT TGGGATAGCA ATTAAAACAA AGTATTGATA GTTGTATC-A

347' GAGTCTATTA GGCTGCAGCA AAGGAAGTTT ATTCAAAAGT ATAAACTATN CCAAGATTAT
     ********** ********** ********** ********** *********  **********
355″ GAGTCTATTA GGCTGCAGCA AAGGAAGTTT ATTCAAAAGT ATAAACTAT- CCAAGATTAT

407' AGACGCATGA TATACTTCAC CTATTTTTTG TCTCCTTAAT -NATGTATAT ATATATATAT
     ********** ********** ********** **********  . * ***** **********
414″ AGACGCATGA TATACTTCAC CTATTTTTTG TCTCCTTAAT ATGTATATAT ATATATATAT

466' ATATATATAT ATACACATAT ATGTGTGTGT GTNATGTGCG TGTGCATGTT TAACTTTTAA
     ********** ********** ********** ** ******* *********. **********
474″ ATATATATAT ATACACATAT ATGTGTGTGT GT-ATGTGCG TGTGCATGTN TAACTTTTAA

526' TTCAGTTAAA AACTTTTTTC TATNTTGTTT TTCATCTGGA TATTTGATTC TGCATATCCT
     ********** ********** *** .***.* ********** ********** **********
533″ TTCAGTTAAA AACTTTTTTC TAT-NTGTNT TTCATCTGGA TATTTGATTC TGCATATCCT

586' AGCCCAAGTG AACCNGAGAA GATCGAGTTG TAGGACTAAA GGATAGACAT GCAGAAATGC
     ********** **** ***** ********** **********  ********* **********
592″ AGCCCAAGTG AACC-GAGAA GATCGAGTTG TAGGACTAAA CGATAGACAT GCAGAAATGC

646' ATTTTNAAAA ATCTGTTAGC TGGACCAGAC CGACAATGTA ACATAATTGC CAAAGCNTTT
     *****  *** ********** **** ****  *********  ****** *** * ****  **
651″ ATTTT--AAA ATCTGTTAGC TGGA-CAGA- CGACAATGT- ACATAA-TGC C-AAGC--TT

706' GGTTCGTGAC CTGAGGTTAT GTTTGGTATG AAAAGGTCAC ATTTTATNAT TCAGTTTTCT
     ** ******  ****** *** **** *****  ***.***    ** ***.*  *
702″ GGGTCGTGA- CTGAGG-TAT GTTT-GTATG -AAANGTCCA TTTATATCAG TTTCTGAGTT
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1st Nucleotide Sequence

File Name : Reference Seq.GNU

Sequence Size : 5708

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2nd Nucleotide Sequence
  File Name        : RDB7528R.fasta (Complementary)
  Sequence Size    : 747

  Unit Size to Compare = 1
  Pick up Location     = 1



[96.615% / 768 bp]     INT/OPT.Score : <    468/  2710 >

  781' TAACCAACCT GTGGAAGGCA TGANACACCC ATGTGCGCCC TAACCAAAGG TTTTTCTGAA
                                             **** * *** ****  ****** .*
    1″                                  GGCCC T-ACC-AAGG GTTTTCT-NA

  841' TCATCCTTCA CATGNAGAAT TCCTAATGGG ACCAAGTACA GTACTGTGGT CCAACATAAA
       ****** *** **** ** ** ******* ** *** ****** ******* ** **********
   23″ TCATCC-TCA CATG-AG-AT TCCTAAT-GG ACC-AGTACA GTACTGT-GT CCAACATAAA

  901' CACACNAAGT CAGGCTGAGA GAATCTCAGA AGGTTGTGGA AGGGTCTATC TACTTTNGGG
       ***.*  *** ********** ********** ********** ********** ****** ***
   77″ CACNC--AGT CAGGCTGAGA GAATCTCAGA AGGTTGTGGA AGGGTCTATC TACTTT-GGG

  961' AGCATTTTGC AGAGGAAGAA ACTGAGGTCC TGGCAGGTTG CATTCTCNCT GATGGCAAAA
       ********** ********** ********** ********** ******* ** **********
  134″ AGCATTTTGC AGAGGAAGAA ACTGAGGTCC TGGCAGGTTG CATTCTC-CT GATGGCAAAA

 1021' TGCAGCTCTT CCTATATGTA TACCCTGAAT CTCCGCCCNC CTTCCCCTCA GATGCCCCCT
       ********** ********** ********** ******** * ********** **********
  193″ TGCAGCTCTT CCTATATGTA TACCCTGAAT CTCCGCCC-C CTTCCCCTCA GATGCCCCCT

 1081' GTCAGTTCCC CCAGCTGCTA AATATAGCTN GTCTGTGGCT GGCTGCGTAT GCAACCGCAC
       ********** ********** *********  ********** ********** **********
  252″ GTCAGTTCCC CCAGCTGCTA AATATAGCT- GTCTGTGGCT GGCTGCGTAT GCAACCGCAC

 1141' ACCCCATTCT ATCTGCCCTA NTCTCGGTTA CAGTGTAGTC CTCCCCAGGG TCATCCTATG
       ********** **********  ********* ********** ********** **********
  311″ ACCCCATTCT ATCTGCCCTA -TCTCGGTTA CAGTGTAGTC CTCCCCAGGG TCATCCTATG
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1201’ TACACACTAC GNTATTTCTA GCCAACGAGG AGGGGGAATC AAACAGAAAG AGAGACAAAC
      ********** * ******** ********** ********** ********** **********
 370″ TACACACTAC G-TATTTCTA GCCAACGAGG AGGGGGAATC AAACAGAAAG AGAGACAAAC

1261’ AGNAGATATA TCGGAGTCTG GCACGGGGCA CATAAGGCAG CACATTAGAG AAANGCCGGC
      ** ******* * ******** ********** ********** ********** *** ******
 429″ AG-AGATATA TTGGAGTCTG GCACGGGGCA CATAAGGCAG CACATTAGAG AAA-GCCGGC

1321’ CCCTGGATCC GTCTTTCGCG TTTATTTTAA GCCCAGTCTT CCCTNGGGCC ACCTTTAGCA
      ********** ********** ********** ********** **** ***** **********
 487″ CCCTGGATCC GTCTTTCGCG TTTATTTTAA GCCCAGTCTT CCCT-GGGCC ACCTTTAGCA

1381’ GATCCTCGTG CGCCCCCGCC CCCTGGCCGT GAAACNTCAG CCTCTATCCA GCAGCGACGA
      ********** ********** ********** ***** **** ********** **********
 546″ GATCCTCGTG CGCCCCCGCC CCCTGGCCGT GAAAC-TCAG CCTCTATCCA GCAGCGACGA

1441’ CAAGTAAAGT AAAGTTCAGG GAAGCTNGCT CTTTGGGATC GCTCCAAATC GAGTTGTGCC
      ********** ********** ****** *** ********** ********** **********
 605″ CAAGTAAAGT AAAGTTCAGG GAAGCT-GCT CTTTGGGATC GCTCCAAATC GAGTTGTGCC

1501’ TGGAGTGATC AAGATCTGGC CTCGGCGGCC AAGCTTGGCA ATCCGGTACT GTTGGTAAAG
      ********** ********** ********** ********** ********** **********
 664″ TGGAGTGATC AAGATCTGGC CTCGGCGGCC AAGCTTGGCA ATCCGGTACT GTTGGTAAAG

1561’ CCACCATGGA AGATGCCAAA AACATTAAGA AGGGCCCAGC GCCATTCTAC CCACTCGAAG
      ********** ********** ****
 724″ CCACCATGGA AGATGCCAAA AACA
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