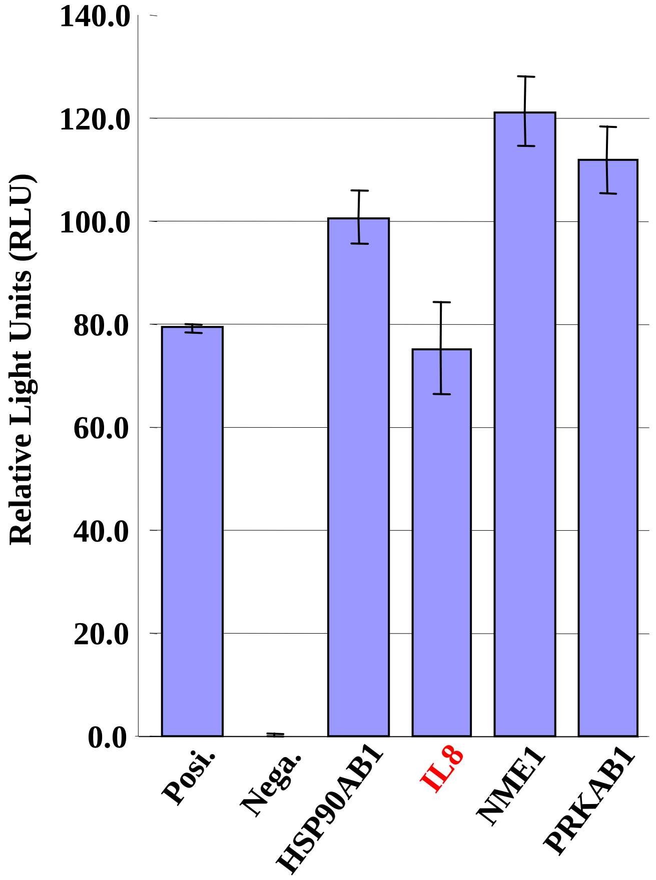
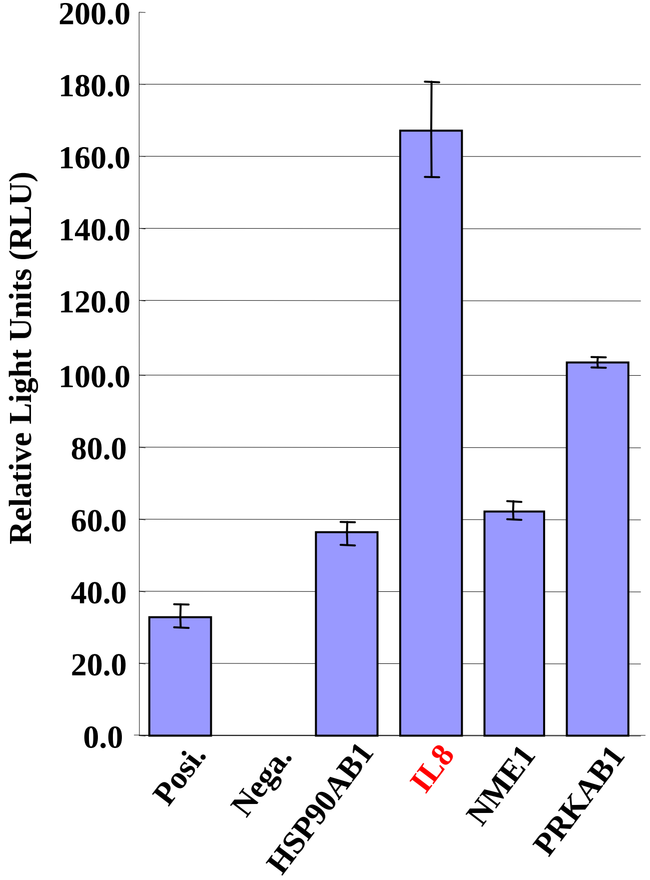
The Promoter Activities of Reporter Constructs

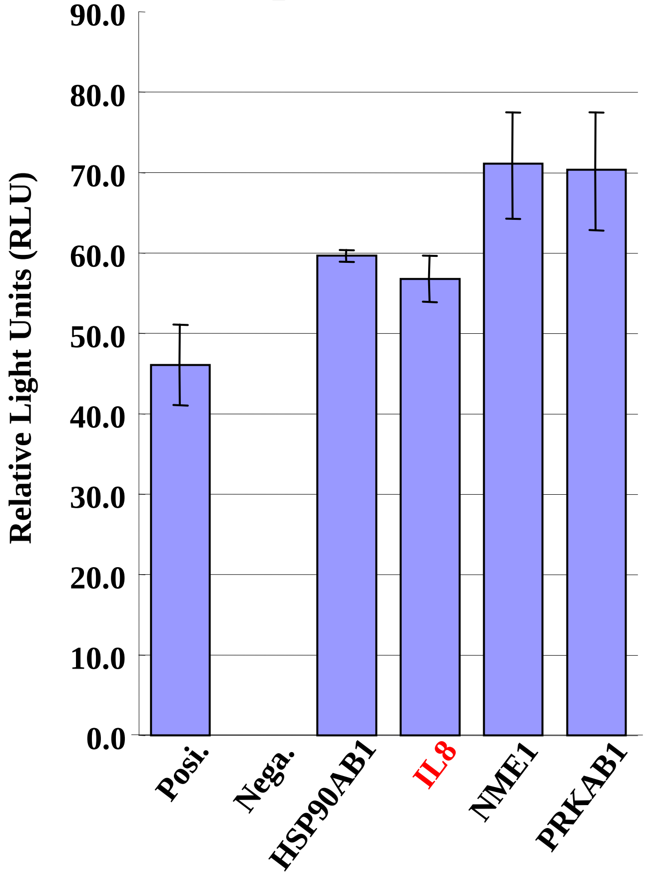
HeLa cells



HepG2 cells



Hep3B cells



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

HSP90AB1: pGL4-phHSP90AB1 (RDB# 7321)
IL8: pGL4-phIL8 (RDB# 7322)
NME1: pGL4-phNME1 (RDB# 7326)
PRKAB1: pGL4-phPRKAB1 (RDB#7328)

2009, 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     : 5505

2nd Nucleotide Sequence
  File Name         : RDB7322F.fasta
  Sequence Size     : 658

  Unit Size to Compare = 1
  Pick up Location     = 1



[99.687% / 639 bp]     INT/OPT.Score : <   2398/  2534 >

     1’                    GG CCTAACTGGC CGGTACCTGA GCTCGCTAGC CTCGAGGATA
                           ** ********** ********** ********** **********
     1″ GTGCCAGAAC ATTTCTCTGG CCTAACTGGC CGGTACCTGA GCTCGCTAGC CTCGAGGATA

    43’ CCCTTCCTTG GTGCTCTTTA TCTACAGAAT CCAAGACCTT TCAAGAAAGG TCTTGGATTC
        ********** ********** ********** ********** ********** **********
    61″ CCCTTCCTTG GTGCTCTTTA TCTACAGAAT CCAAGACCTT TCAAGAAAGG TCTTGGATTC

   103’ TTTTCTTCAG GACACTAGGA CATAAAGCCA CCTTTTTATG ATTTGTTGAA ATTTCTCACT
        ********** ********** ********** ********** ********** **********
   121″ TTTTCTTCAG GACACTAGGA CATAAAGCCA CCTTTTTATG ATTTGTTGAA ATTTCTCACT

   163’ CCATCCCTTT TGCTAGTGAT CATGGGTCCT CAGAGGTCAG ACTTGGTGTC CTTGGATAAA
        ********** ********** ********** ********** ********** **********
   181″ CCATCCCTTT TGCTAGTGAT CATGGGTCCT CAGAGGTCAG ACTTGGTGTC CTTGGATAAA

   223’ GAGCATGAAG CAACAGTGGC TGAACCAGAG TTGGAACCCA GATGCTCTTT CCACTAAGCA
        ********** ********** ********** ********** ********** **********
   241″ GAGCATGAAG CAACAGTGGC TGAACCAGAG TTGGAACCCA GATGCTCTTT CCACTAAGCA
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283’ TACAACTTTC CATTAGATAA CACCTCCCTC CCACCCCAAC CAAGCAGCTC CAGTGCACCA
     ********** ********** ********** ********** ********** **********
301″ TACAACTTTC CATTAGATAA CACCTCCCTC CCACCCCAAC CAAGCAGCTC CAGTGCACCA

343’ CTTTCTGGAG CATAAACATA CCTTAACTTT ACAACTTGAG TGGCCTTGAA TACTGTTCCT
     ********** ********** ********** ********** ********** **********
361″ CTTTCTGGAG CATAAACATA CCTTAACTTT ACAACTTGAG TGGCCTTGAA TACTGTTCCT

403’ ATCTGGAATG TGCTGTTCTC TTTCATCTTC CTCTATTGAA GCCCTCCTAT TCCTCAATGC
     ********** ********** ********** ********** ********** **********
421″ ATCTGGAATG TGCTGTTCTC TTTCATCTTC CTCTATTGAA GCCCTCCTAT TCCTCAATGC

463’ CTTGCTCCAA CTGCCTTTGG AAGATTCTGC TCTTATGCCT CCACTGGAAT TAATGTCTTA
     ********** ********** ********** ********** **********  *********
481″ CTTGCTCCAA CTGCCTTTGG AAGATTCTGC TCTTATGCCT CCACTGGAAT AAATGTCTTA

523’ GTACCACTTG TCTATTCTGC TATATAGTCA GTCCTTACAT TGCTTTCTTC TTCTGATAGA
     ********** ********** ********** ********** ********** **********
541″ GTACCACTTG TCTATTCTGC TATATAGTCA GTCCTTACAT TGCTTTCTTC TTCTGATAGA

583’ CCAAACTCTT TAAGGAC-AA GTACCTAGTC TTATCTATTT CTAGATCCCC CACATTACTC
     ********** ******* ** ********** ********** ********** *******
601″ CCAAACTCTT TAAGGACAAA GTACCTAGTC TTATCTATTT CTAGATCCCC CACATTAA




1st Nucleotide Sequence
  File Name          : Reference Seq.gnu
  Sequence Size      : 5505

2nd Nucleotide Sequence
  File Name          : RDB7322R.fasta (Complementary)
  Sequence Size      : 684

  Unit Size to Compare = 1
  Pick up Location     = 1
```

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[99.122% / 683 bp]     INT/OPT.Score : <   2278/  2656 >

  661’ GTTTGTGGAA CTGATTTCTA TGTGAAGCAC ATGTGCCCCT TCACTCTGTT AACATGCATT
                                                        *  **********
    1″                                                       TTA AACATGCATT

  721’ AG-AAAACTA AATCTTTTGA AAA-GTTGTA GTATGCCCCC TAAGAGCAGT AACAGTTCCT
       ** ******* ********** *** ****** ********** ********** **********
   14″ AGAAAAACTA AATCTTTTGA AAAGGTTGTA GTATGCCCCC TAAGAGCAGT AACAGTTCCT

  779’ AGAAACTCTC TAAAATGCTT AG-AAAAAGA TTTATTTTAA ATTACCT-CC CCAATAAAAT
       ********** ********** ** ******* ********** ******* ** **********
   74″ AGAAACTCTC TAAAATGCTT AGAAAAAAGA TTTATTTTAA ATTACCTCCC CCAATAAAAT

  837’ GATTGGCTGG CTTATCTTCA CCATCATGAT AGCATCTGTA ATTAACTGAA AAAAAATAAT
       ********** ********** ********** ********** ********** **********
  134″ GATTGGCTGG CTTATCTTCA CCATCATGAT AGCATCTGTA ATTAACTGAA AAAAAATAAT

  897’ TATGCCATTA AAAGAAAATC ATCCATGATC TTGTTCTAAC ACCTGCCACT CTAGTACTAT
       ********** ********** ********** ********** ********** **********
  194″ TATGCCATTA AAAGAAAATC ATCCATGATC TTGTTCTAAC ACCTGCCACT CTAGTACTAT

  957’ ATCTGTCACA TGGTACTATG ATAAAGTTAT CTAGAAATAA AAAAGCATAC AATTGATAAT
       ********** ********** ********** ********** ********** * ********
  254″ ATCTGTCACA TGGTACTATG ATAAAGTTAT CTAGAAATAA AAAAGCATAC ATTTGATAAT

 1017’ TCACCAAATT GTGGAGCTTC AGTATTTTAA ATGTATATTA AAATTAAATT ATTTTAAAGA
       ********** ********** ********** ********** ********** **********
  314″ TCACCAAATT GTGGAGCTTC AGTATTTTAA ATGTATATTA AAATTAAATT ATTTTAAAGA

 1077’ TCAAAGAAAA CTTTCGTCAT ACTCCGTATT TGATAAGGAA CAAATAGGAA GTGTGATGAC
       ********** ********** ********** ********** ********** **********
  374″ TCAAAGAAAA CTTTCGTCAT ACTCCGTATT TGATAAGGAA CAAATAGGAA GTGTGATGAC

 1137’ TCAGGTTTGC CCTGAGGGGA TGGGCCATCA GTTGCAAATC GTGGAATTTC CTCTGACATA
       ********** ********** ********** ********** ********** **********
  434″ TCAGGTTTGC CCTGAGGGGA TGGGCCATCA GTTGCAAATC GTGGAATTTC CTCTGACATA
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1197’ ATGAAAAGAT GAGGGTGCAT AAGTTCTCTA GTAGGGTGAT GATATAAAAA GCCACCGGAG
      ********** ********** ********** ********** ********** **********
 494″ ATGAAAAGAT GAGGGTGCAT AAGTTCTCTA GTAGGGTGAT GATATAAAAA GCCACCGGAG

1257’ CACTCCATAA GGCACAAACT TTCAGAGACA GCAGAGCACA CAAGCTTCAT CAAGATCTGG
      ********** ********** ********** ********** ********** **********
 554″ CACTCCATAA GGCACAAACT TTCAGAGACA GCAGAGCACA CAAGCTTCAT CAAGATCTGG

1317’ CCTCGGCGGC CAAGCTTGGC AATCCGGTAC TGTTGGTAAA GCCACCATGG AAGATGCCAA
      ********** ********** ********** ********** ********** **********
 614″ CCTCGGCGGC CAAGCTTGGC AATCCGGTAC TGTTGGTAAA GCCACCATGG AAGATGCCAA

1377’ AAACATTAAG AAGGGCCCAG CGCCATTCTA CCCACTCGAA GACGGGACCG CCGGCGAGCA
      ********** *
 674″ AAACATTAAG A
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