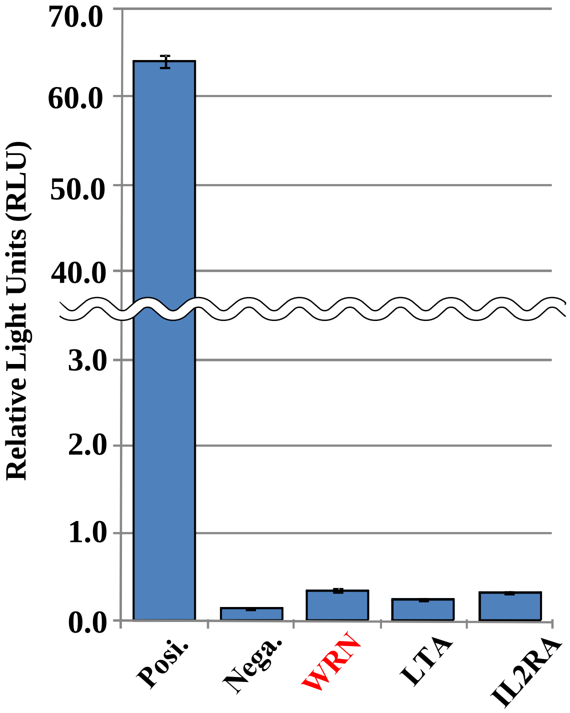
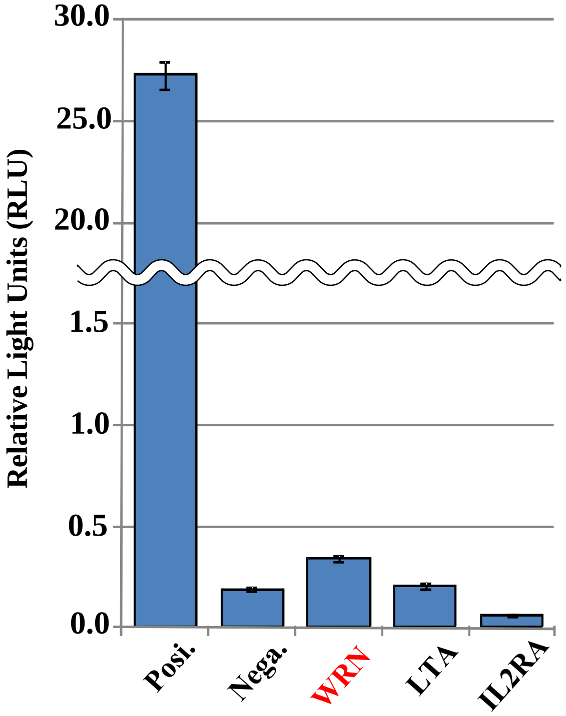
The Promoter Activities of Reporter Constructs

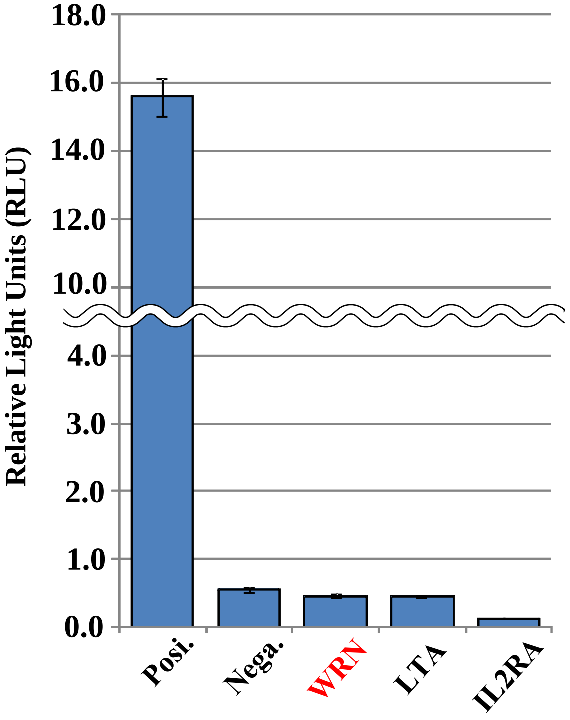
HeLa cells



HepG2 cells



Hep3B cells



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

WRN: pGL4-phWRN (RDB# 7569)
LTA: pGL4-phLTA (RDB# 7486)
IL2RA: pGL4-phIL2RA (RDB# 7525)

2010, 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     : 5562

2nd Nucleotide Sequence
  File Name         : RDB7569F.fasta
  Sequence Size     : 642

  Unit Size to Compare = 1
  Pick up Location     = 1



[99.679% / 623 bp]     INT/OPT.Score : <    2480/   2480 >

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

     43’ TGTTCTTGGC CCAAACTGTG GCCAAAATAA CCTATCATGC CAGTCCCCCG CATCATGGTT
         ********** ********** ********** ********** ********** **********
     61″ TGTTCTTGGC CCAAACTGTG GCCAAAATAA CCTATCATGC CAGTCCCCCG CATCATGGTT

    103’ TGTCTAATCC GTAGGAAGCG ACCCCGCTGA TTTTCCTTTA GGTCTAGGTA ATATTTCCTA
         ********** ********** ********** ********** ********** **********
    121″ TGTCTAATCC GTAGGAAGCG ACCCCGCTGA TTTTCCTTTA GGTCTAGGTA ATATTTCCTA

    163’ TTGTCCCTCT CGATATAGTC TGTTTTCAGG ACACTGTGAG GATGCTCTTC GGACCCCACC
         ********** ********** ********** ********** ********** **********
    181″ TTGTCCCTCT CGATATAGTC TGTTTTCAGG ACACTGTGAG GATGCTCTTC GGACCCCACC

    223’ GAGACTGGTG GGGAGGGTGC CGAGTGCTTC TGCCTCCTTC TGGAGCCTTG CTCTTTGCTG
         ********** ********** ********** ********** ********** **********
    241″ GAGACTGGTG GGGAGGGTGC CGAGTGCTTC TGCCTCCTTC TGGAGCCTTG CTCTTTGCTG
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283’ TGGCCATGCT CTTGCCGGTG GCCTTTCAGG CCCAGGTGGG CATAGTGCTC GATGAAGTCC
     ********** ********** ********** ********** ********** **********
301″ TGGCCATGCT CTTGCCGGTG GCCTTTCAGG CCCAGGTGGG CATAGTGCTC GATGAAGTCC

343’ CCTAGACAGT CCTTCAGCTC CGCTGCCACA GACAGGGAGA GGGTCAGTTT ACTCTTTCTG
     ********** ********** ********** ********** ********** **********
361″ CCTAGACAGT CCTTCAGCTC CGCTGCCACA GACAGGGAGA GGGTCAGTTT ACTCTTTCTG

403’ ATGTTGTCCT GCCGGCCTCT CCCTATCCAG ACTTCGGCTA TCTTTAGGAA GCGGCCCCGG
     ********** ********** ********** ********** ********** **********
421″ ATGTTGTCCT GCCGGCCTCT CCCTATCCAG ACTTCGGCTA TCTTTAGGAA GCGGCCCCGG

463’ GAGCTTTGCT TCACGTCTAG GTAAAACCTC TTTTTCTGGA TGTCCACTCG TTTGGAGGCC
     ********** ********** ********** ********** ********** **********
481″ GAGCTTTGCT TCACGTCTAG GTAAAACCTC TTTTTCTGGA TGTCCACTCG TTTGGAGGCC

523’ AGCTCCTGGA TTTCGGCTGC GCCCCCGGCC TGATTAGGGG TGGCTGAGGC CGCGTAGTGG
     ********** ********** ********** ****  **** ********** **********
541″ AGCTCCTGGA TTTCGGCTGC GCCCCCGGCC TGATCCGGGG TGGCTGAGGC CGCGTAGTGG

583’ GGGTAGTGGG AGTGCTGGGC CTGGGGATAG AGTCTACTCT TGCTTAGGCC AGAGCCCCCT
     ********** ********** ********** ********** *
601″ GGGTAGTGGG AGTGCTGGGC CTGGGGATAG AGTCTACTCT TT
```

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1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5562

2nd Nucleotide Sequence
  File Name        : RDB7569R.fasta (Complementary)
  Sequence Size    : 538

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

```
[94.403% / 536 bp]     INT/OPT.Score : <   1628/  1950 >

  901’ CCCGCATCCC TCCGCCGCCC CCGGGGCCGC -TCCCGCACG CCGCCGCCGC CCGTCCCGCG
                 *. .*. ** ****. *.*.  *** *.*.* * **.    * * ****.* *
    1″            CCNTNCNGCC CCGGNCCNGN TTCCAGNANG CAGCNCGGCC CAGTCCNGGG

  960’ CTCCGCGGCC CCAGGTCTCC AGCCGGCGGG CACTC-ACAT CATCTCT-GC C-ATCACCGC
       .***  **** ******.*** ********** ***** **** ******* ** * ********
   51″ NTCCCGGGCC CCAGGTNTCC AGCCGGCGGG CACTCAACAT CATCTCTGGC CAATCACCGC

 1017’ CGCCGCCGAT GCCCTTCAC- GACCACCGCC GCCGCCACCG CCAGCTCTCG GCCCCTCTGC
       ********** *********  ********** ********** ********** **********
  111″ CGCCGCCGAT GCCCTTCACG GACCACCGCC GCCGCCACCG CCAGCTCTCG GCCCCTCTGC

 1076’ TGCAGCCGCC GCAGCCGCCG CCCCCCGCCT CCTCCCCCGC CGCCGCCGCT CGCACTGCCC
       ********** ********** ********** ********** ********** **********
  171″ TGCAGCCGCC GCAGCCGCCG CCCCCCGCCT CCTCCCCCGC CGCCGCCGCT CGCACTGCCC

 1136’ CCCGCCGGAG CAGCCGGGCA GGGGCATCGC CCGCGGCGCC CACCGCAGCC GCCCCTCCTG
       ********** ********** ********** ********** ********** **********
  231″ CCCGCCGGAG CAGCCGGGCA GGGGCATCGC CCGCGGCGCC CACCGCAGCC GCCCCTCCTG

 1196’ CGGCCGCTGC GGGGGCCGCC GCCTGACTTC GGACACCGGC CCCGCACCCG CCAGGAGGGG
       ********** ********** ********** ********** ********** **********
  291″ CGGCCGCTGC GGGGGCCGCC GCCTGACTTC GGACACCGGC CCCGCACCCG CCAGGAGGGG

 1256’ AGGGAAGGGG AGGCGGGGAG AGCGACGGCG GGGGGCGGGC GGTGGACCCC GCCTCCCCCG
       ********** ********** ********** ********** ********** **********
  351″ AGGGAAGGGG AGGCGGGGAG AGCGACGGCG GGGGGCGGGC GGTGGACCCC GCCTCCCCCG

 1316’ GCACAGCCTG CTGAGGGGAA GAGGGGGTCT CCGCTCTTCC TCAGTGATCA AGATCTGGCC
       ********** ********** ********** ********** ********** **********
  411″ GCACAGCCTG CTGAGGGGAA GAGGGGGTCT CCGCTCTTCC TCAGTGATCA AGATCTGGCC

 1376’ TCGGCGGCCA AGCTTGGCAA TCCGGTACTG TTGGTAAAGC CACCATGGAA GATGCCAAAA
       ********** ********** ********** ********** ********** **********
  471″ TCGGCGGCCA AGCTTGGCAA TCCGGTACTG TTGGTAAAGC CACCATGGAA GATGCCAAAA
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1436' ACATTAAGAA GGGCCCAGCG CCATTCTACC CACTCGAAGA CGGGACCGCC GGCGAGCAGC
      *******
 531″ ACATTAAT
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