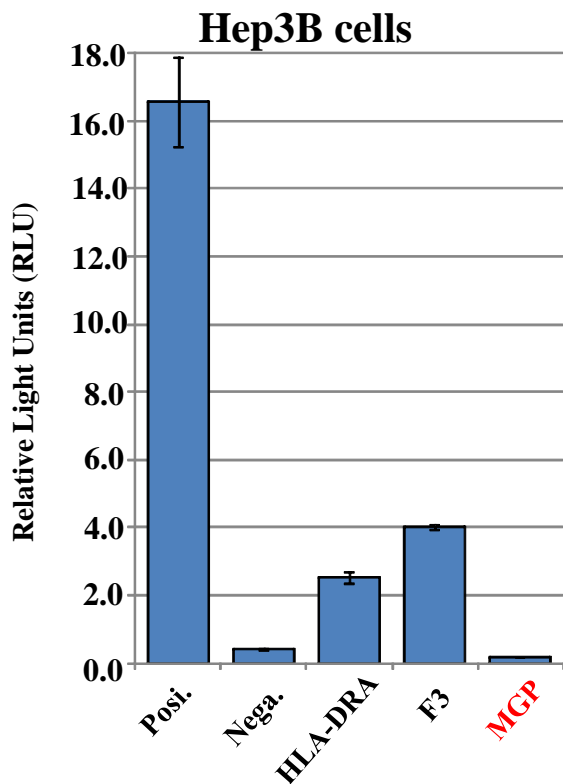
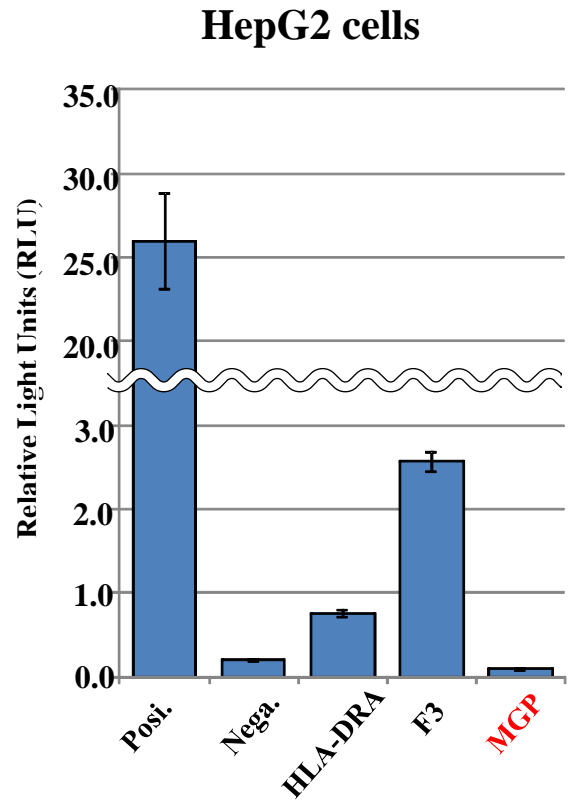
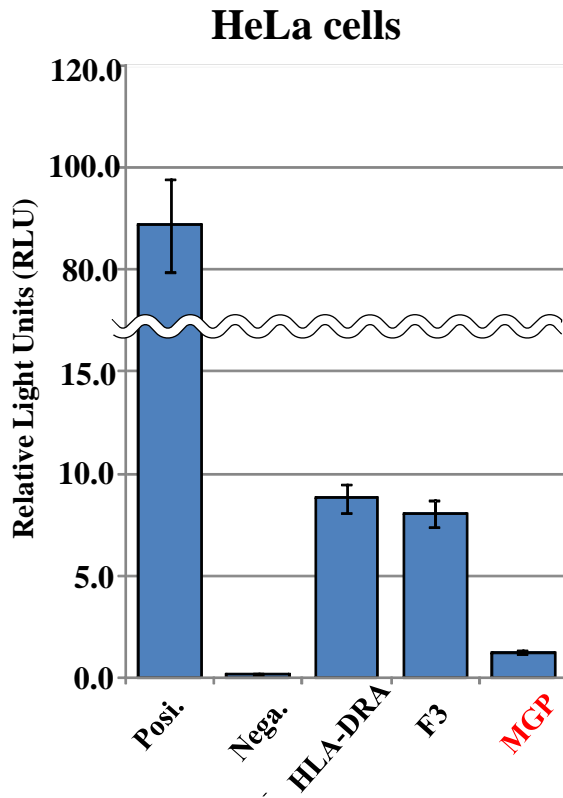


# The Promoter Activities of Reporter Constructs



**Posi.:** pGL3 Control Vector  
(SV40 promoter)

**Nega.:** Empty Vector

**HLA-DRA:** pGL4-phHLA-DRA(RDB# 7389)

**F3:** pGL4-phF3 (RDB# 7458)

**MGP:** pGL4-phMGP (RDB# 7394)

[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2010.01.25

1st Nucleotide Sequence

File Name : Reference Seq.gnu  
Sequence Size : 5559

2nd Nucleotide Sequence

File Name : RDB7394F.fasta  
Sequence Size : 701

Unit Size to Compare = 1  
Pick up Location = 1

[66.165% / 665 bp] INT/OPT.Score : < 428/ 960 >

```
1'          GGCCTA ACTGGCCG-G TACCTGAG-C TCGCTAG-CC
          ***** ***** * ***** * * **** **
1'' GGTGCCACGA ACATGTCTCT ACTAGGCCTA ACTGGCCGTG TACCTGAGAC TGTCTAGACC

34' TCG-AGGAT- CAG--CCCTA T-TGCTG--T TC-CAG-CT- CAAG-AGTCA GANGGTC-CC
   *** ***** *** ***** * ***** * * *** ** ***** ***** *. * * **
61'' TCGTAGGATA CAGACCCCTA TCTGCTGTAT GCTCAGACTA CAAGTAGTCA GAGGTACTCC

82' GAAG-CTGTA G-CTCTTCTA CAAT-CTGCT GCTCTGTGAC TTCAAGTNCT GTTGTCTGCA
   **** ***** * ***** ***** ***** ***** ***** * *****
121'' GAAGACTGTA GACTCTTCTA CAATCCTGCT GCTCTGTGAC TTCAAGTCTG TTCGTCTGCA

139' AAGAAAATA TTGGGTT-CC CAAGCAAGAG AGGCACATCN TGGTAGGACA GATTTTGTGA
   ***** ***** ** **** ***** ***** ***** ***** *****
181'' AAGAAAATA TTGGGTTCCC CAAGAAAGAG AGGCACATC- TGGTCTGACA GATTTTGTGA

198' TTGCAAAGA AGGGGGAAAA AAAGAAAGAA NAGAAAAGAC CTCTCTATAC AAGATAACCA
   ***** ** ***** * ***** ** ***** ***** ***** * *****
240'' TTGCAAACGA AGGGGGACCA AAAGAGCGAA -AGAAAAGAC CTCTCTATAC ACGATAACCA
```



258' GAGG-CATCA AACTGAAATC CTNCCTGTGG AAAATAAGCT AGTA-CTTCT -GGGCCTGAT  
 \*\*\*\* \*\* \* .\*\*\*\*\* \*\*\*\*\* \*\* \* \*\*\*\*\* \*\*\*\*\*  
 299" GAGGACATCC CACTGAAGAT CCTCCTGTGG AAAATAAGCT AGCAGCTTCT GGGGCCTGAT  
  
 315' GGTGTAGTGA AAACCNTG-T G-CTTG--AG GAT-AC-ATT ---ACAGTGA AAGAGCAAAG  
 \*\*\*\*\* \*\* \* . \*\* \* \* \*\*\*\*\* \* \*\* \* \*\* \* \*\* \* \*\* \* \*\* \*  
 359" GGTGTAGTGA AAAGCCTGCT GACTTGCAGG GATAACAATT ACCACGGTGA AACAGTAAGA  
  
 366' TGAATAGTAA GTAGCNTATT ACTTACCTCC TTAGGGAGGT GTGTTGTTTG TCT--GTACA  
 \*\* \*\* \* \* . \*\* \* \*\* \* \*\* \* \* \* \* \*\* \* \*\* \*  
 419" CAAAAAGGTG GAAATTTA-- AGTTAAAAGG CTATGCACTA ATTCTCACCC TCTAACCCCA  
  
 424' TCCCCAC--- -NAGCAC-CT AGCACAGTAC CTTGCATC-T CACCTGCCAC TACTAAAAA  
 \* \*\* \* \* . \* . \* \* \*\* \* \*\* \* \*\* \* \*\* \* \* \* \* \*\* \* \*\* \*  
 477" TACCCATCTA AGGGNGCACG GGCTCGGTGC TTTAGGTCAT GGCTCGTCGA TCACCAATAC  
  
 479' GTCTNATCAA GTTAGTTA-A TTATCGAGA- CAACGCCCTC AGAAATGAGA GAACAGTNAC  
 \* . \* \*\* \* \* \* \*\* \* \*\* \* \*\* \* \* \* \*\* \* \*\* \* \*\* \* \*\* \*  
 537" CACACACCAA CAAGCCACCC TCCTCAAGAC CACCAGGTA AGCACCTCTG GACCAATAAC  
  
 537' CCTCTTATCC TTGCTGCAC- --TTTCCAGC ACTGATACGC TGCCTAAAAG ANGGACTAGG  
 \* \* \* \* \*\* \* \*\* \* .\*\*\*\*\* \* \* . \* . \*  
 597" TAACAACCAC CTCGTACACA ANCCTCCCAA NCTGAACAAA CAAATGANTT ACTGNAATTG  
  
 594' GCACAGGTTT GAATTAATGT CACAAAACCTG GATGGGCAAG TTNACAACGG TGTGATTAA  
 \* \* \*\* \* \*\* \* . \* \* \* \* \* \*  
 657" GAATAGGTTT -AACANGTTT TAAACACCTT TTAACGTNAC CGCAA

1st Nucleotide Sequence

File Name : Reference Seq. gnu  
 Sequence Size : 5559

2nd Nucleotide Sequence

File Name : RDB7394R. fasta (Complementary)  
 Sequence Size : 475





1422' AGATGCC-AA AACATTAAG AAGGGCCAG CGCCATTCTA CCCACTCGAA GACGGGACCG

\*\*\*\*\* \*\* \*\*\*\*\* \* \* \* \*

453" AGATGCCAAA AACATAATG ATG