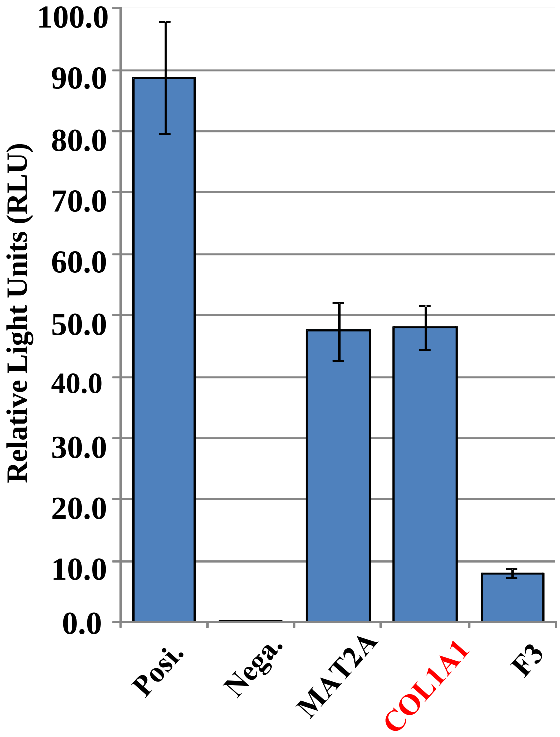
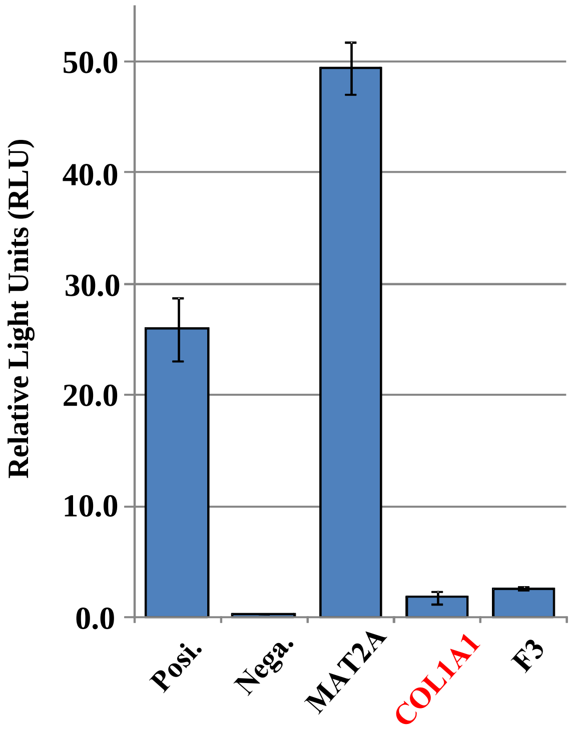
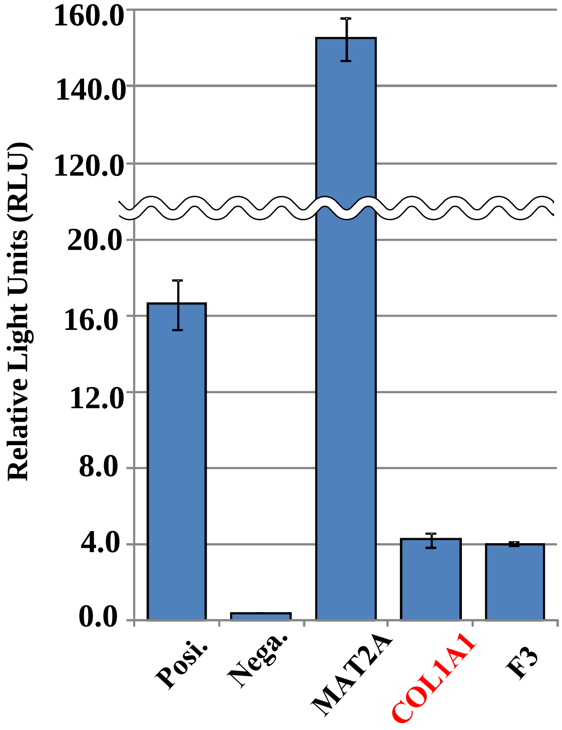
# The Promoter Activities of Reporter Constructs


HeLa cells


HepG2 cells


Hep3B cells

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

**MAT2A: pGL4-phMAT2A (RDB# 7393)**
**COL1A1: pGL4-phCOL1A1 (RDB# 7459)**
**F3: pGL4-phF3 (RDB# 7458)**

2010, DNA Bank, RIKEN BioResource Center

```
[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2009.07.13

1st Nucleotide Sequence
  File Name          : Reference Seq.gnu
  Sequence Size      : 5502

2nd Nucleotide Sequence
  File Name          : RDB7459F.prj
  Sequence Size      : 400

  Unit Size to Compare = 1
  Pick up Location     = 1



[100.000% / 400 bp]     INT/OPT.Score : <   1600/   1600 >

     1’ GGCCTAACTG GCCGGTACCT GAGCTCGCTA GCCTCGAGGA TCAGTGGGAA GTAGCCCCTA
                                                   ********* **********
     1″                                            CAGTGGGAA GTAGCCCCTA

    61’ AAACAAAGTC AATCATCCTC TGCAGCCCAT CCCACACCCC CAAAGGAAAG TTTCACCCAG
        ********** ********** ********** ********** ********** **********
    20″ AAACAAAGTC AATCATCCTC TGCAGCCCAT CCCACACCCC CAAAGGAAAG TTTCACCCAG

   121’ ACACCCAAAA TATCCCATAC ATCCCCAACA CTGAGTCCAG GTACAACTGG AGAAGGGGCT
        ********** ********** ********** ********** ********** **********
    80″ ACACCCAAAA TATCCCATAC ATCCCCAACA CTGAGTCCAG GTACAACTGG AGAAGGGGCT

   181’ TTATGCAGCT CCCAGAAAGA CACCCCTTTA GCTAAGTGCC CTCCCTCCAC CCAGGTTCTC
        ********** ********** ********** ********** ********** **********
   140″ TTATGCAGCT CCCAGAAAGA CACCCCTTTA GCTAAGTGCC CTCCCTCCAC CCAGGTTCTC

   241’ TCTGGTTTGA CTGTGCTGGG AAGGAGGGTC TCTAAGCAGC CCCTGGCCAC AGCCATGGCA
        ********** ********** ********** ********** ********** **********
   200″ TCTGGTTTGA CTGTGCTGGG AAGGAGGGTC TCTAAGCAGC CCCTGGCCAC AGCCATGGCA
```

```
    301’ AACAAAACTC TTCTCTAAGT CACCAATGAT CACAGGCCTC CCACTAAAAA TACTTCCCAA
         ********** ********** ********** ********** ********** **********
    260″ AACAAAACTC TTCTCTAAGT CACCAATGAT CACAGGCCTC CCACTAAAAA TACTTCCCAA

    361’ CTCTGGGGTG GAAGAGTTTG GGGGATGAAT TTTTAGGGGA TTGCAAGCCC CAATCCCCAC
         ********** ********** ********** ********** ********** **********
    320″ CTCTGGGGTG GAAGAGTTTG GGGGATGAAT TTTTAGGGGA TTGCAAGCCC CAATCCCCAC

    421’ CTCTGTGTCC CTAGAATCCC CCACCCCTAC CTTGGCTGCT CCATCACCCA ACCACCAAAG
         ********** ********** *
    380″ CTCTGTGTCC CTAGAATCCC C




1st Nucleotide Sequence
  File Name         : Reference Seq.gnu
  Sequence Size     : 5502

2nd Nucleotide Sequence
  File Name         : RDB7459R.prj (Complementary)
  Sequence Size     : 187

  Unit Size to Compare = 1
  Pick up Location     = 1



[100.000% / 185 bp]     INT/OPT.Score : <    740/    740 >

   1081’ GCAGAGCTGC GAAGAGGGGA GATGTGGGGT GGACTCCCTT CCCTCCTCCT CCCCCTCTCC
                                              **** ********** **********
      1″                                    ATCCTT CCCTCCTCCT CCCCCTCTCC

   1141’ ATTCCAACTC CCAAATTGGG GGCCGGGCCA GGCAGCTCTG ATTGGCTGGG GCACGGGCGG
         ********** ********** ********** ********** ********** **********
     27″ ATTCCAACTC CCAAATTGGG GGCCGGGCCA GGCAGCTCTG ATTGGCTGGG GCACGGGCGG
```

```
1201’ CCGGCTCCCC CTCTCCGAGG GGCAGGGTTC CTCCCTGCTC TCCATCAGGA CAGTATAAAA
      ********** ********** ********** ********** ********** **********
  87″ CCGGCTCCCC CTCTCCGAGG GGCAGGGTTC CTCCCTGCTC TCCATCAGGA CAGTATAAAA

1261’ GGGGCCCGGG CCAGTCGTCG GAGCAGACGG GAGTTTCTCC TATCAAGATC TGGCCTCGGC
      ********** ********** ********** ********** *
 147″ GGGGCCCGGG CCAGTCGTCG GAGCAGACGG GAGTTTCTCC T
```