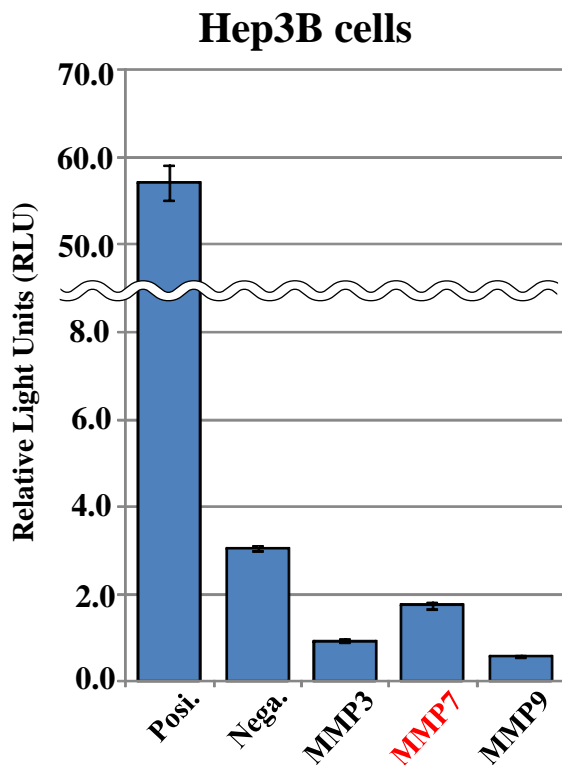
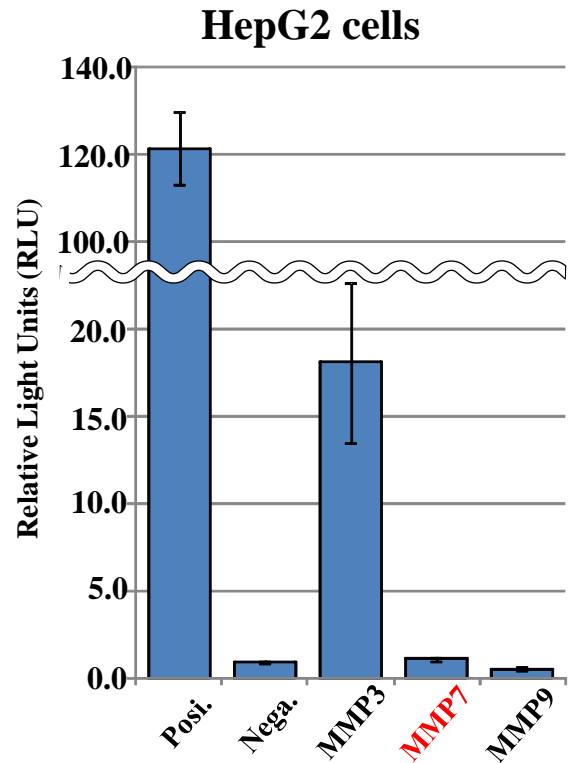
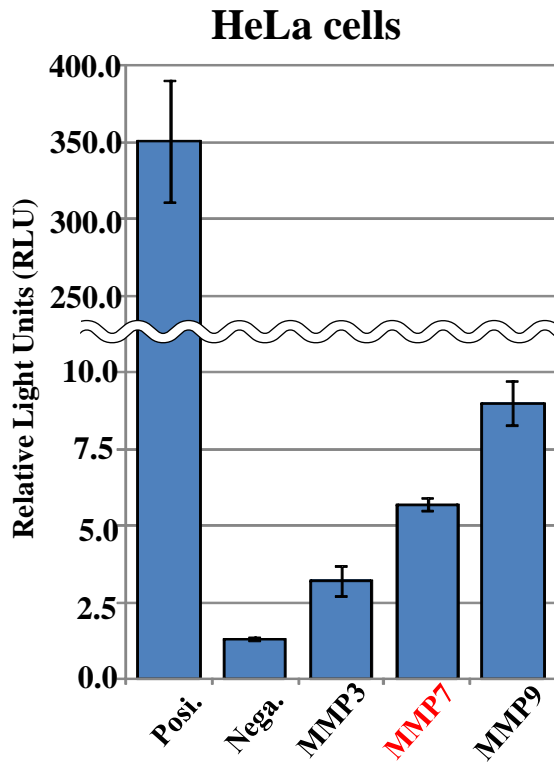


The Promoter Activities of Reporter Constructs



Posi.: pGL3 Control Vector
(SV40 promoter)

Nega.: Empty Vector

MMP3: pGL4-phMMP3 (RDB# 7535)

MMP7: pGL4-phMMP7 (RDB# 7536)

MMP9: pGL4-phMMP9 (RDB# 7537)

[GENETYX : Nucleotide Sequence Homology Data]

Date : 2009.11.06

1st Nucleotide Sequence

File Name : Reference Seq.gnu

Sequence Size : 5628

2nd Nucleotide Sequence

File Name : RDB7536F.fasta

Sequence Size : 780

Unit Size to Compare = 1

Pick up Location = 1

[99.348% / 767 bp] INT/OPT.Score : < 2884/ 2998 >

```
1'          GGCCT AACTGGCCGG TACCTGAGCT CGCTAGCCTC GAGGATTGTG
          *****
1" GCCGAAC TTT ACTCTGGCCT AACTGGCCGG TACCTGAGCT CGCTAGCCTC GAGGATTGTG

46' ACCGTACAGA ATCAAGACAT CTCTGTAAAG AGAGCAAATT TAATTAAGT ATCTGAAAAT
          *****
61" ACCGTACAGA ATCAAGACAT CTCTGTAAAG AGAGCAAATT TAATTAAGT ATCTGAAAAT

106' TTTACCTTTG CTGGCTCACA GTGCTCAATT ACCATGTAAT TGAAGTGATA TGTGATTAAT
          *****
121" TTTACCTTTG CTGGCTCACA GTGCTCAATT ACCATGTAAT TGAAGTGATA TGTGATTAAT

166' TAAATTTTTT AGCTCCAGCA TATTGGAGT GTTTCCCATG ATGTATTAGA GTCAAAAGCC
          *****
181" TAAATTTTTT AGCTCCAGCA TATTGGAGT GTTTCCCATG ATGTATTAGA GTCAAAAGCC

226' ATGGTGTTCT CCCAAGTAAT GTATAATATA ATAAAAGAGA CAGACCTATT ACAAATGAA
          *****
241" ATGGTGTTCT CCCAAGTAAT GTATAATATA ATAAAAGAGA CAGACCTATT ACAAATGAA

286' TAGGCAGTGC AGTGGGATAG AAAAAGCACT GAGCTACTAT CTGTGTGAGC TGGGAGAAGT
          *****
301" TAGGCAGTGC AGTGGGATAG AAAAAGCACT GAGCTACTAT CTGTGTGAGC TGGGAGAAGT

346' ATAATAAGTT AAATTATCAT CTTGGCCTCA CTTTCATTTT TGGTAAGAAT GGAGTCATTG
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*****
361" ATAATAAGTT AAATTATCAT CTTGGCCTCA CTTTCATTTT TGGTAAGAAT GGAGTCATTG

406' GGCTAGAATC TGTAGGTAAT GGATTCTTAC TGCTATACGT AGAATAACCA TTTTGTGTAC
*****
421" GGCTAGAATC TGTAGGTAAT GGATTCTTAC TGCTATACGT AGAATAACCA TTTTGTGTAC

466' TAAGGACCAA TGCAGCCCTA CCTGTAGCTG GGCAGCAGCC AGAGTCAGAG TGATTGGAAG
*****
481" TAAGGACCAA TGCAGCCCTA CCTGTAGCTG GGCAGCAGCC AGAGTCAGAG TGATTGGAAG

526' AAAAAAATTG GATCTCCAAG TTGAAGGTCT AGCCTTGAA GAATCTGTTA CTATAAATG
*****
541" AAAAAAATTG GATCTCCAAG TTGAAGGTCT AGCCTTGAA GAATCTGTTA CTATAAATG

586' AGAAGCAGAA TAAGTAAGCC AGATGAAGAG TTAACCCGT GCTTGTAGAT TTTTGTGGC
*****
601" AGAAGCAGAA TAAGTAAGCC AGATGAAGAG TTAACCCGT GCTTGTAGAT TTTTGTGGC

646' TTGGTATTTT TTTGTGTTA ATTCAAGAAG AATTAGAGGC AGTGTCCCC ATTAAGAAAA
* *****
661" TGGGTATTTT TTTGTGTTA ATTCAAGAAG AATTAGAGGC AGTGTCCCC ATTAAGAAAA

706' GACATAAACT GATTAAGG AGACCCAAAG AAGGGAATTA TCACTGCTCT GCTAAGGGAC
*****
721" GACATAAACT GATT-AAAGG AGACCC-AAG AAGGGAA-TA TCACTGCTCT GCT-AGGGAC

766' GTGGAAGGTG AGGGGACACA GCACAGTTGT ATATAGAGTG GCCACTAATC CAGCCACACA
**
777" GTTT

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Date : 2009.11.16

1st Nucleotide Sequence

File Name : Reference Seq. gnu



Sequence Size : 5628

2nd Nucleotide Sequence

File Name : RDB7536R.fasta (Complementary)

Sequence Size : 733

Unit Size to Compare = 1

Pick up Location = 1

[99.727% / 733 bp] INT/OPT. Score : < 2920/ 2920 >

721' AAAGGAGACC CAAAGAAGGG AATTATCACT GCTCTGCTAA GGGACGTGGA AGGTGAGGGG

* *****

1"

GGGAGGGG

781' ACACAGCACA GTTGTATATA GAGTGGCCAC TAATCCAGCC ACACAGCAGC ATTTCCATCT

9" ACACAGCACA GTTGTATATA GAGTGGCCAC TAATCCAGCC ACACAGCAGC ATTTCCATCT

841' GCCTCCTGCC ATCTTTCCCC TGTATGGAGA ACCACAGGAT TTTGGTGATG TTCTATTCT

69" GCCTCCTGCC ATCTTTCCCC TGTATGGAGA ACCACAGGAT TTTGGTGATG TTCTATTCT

901' TGACTTTGGT GACGGTTACA GTATTTGCTT AATTATTATT TCATTATTTA CATGTTTTGT

129" TGACTTTGGT GACGGTTACA GTATTTGCTT AATTATTATT TCATTATTTA CATGTTTTGT

961' GCACTTTTCC AAACCTTTTA ATGTGTAAGA ATATATGGTA CCATGTATTT AAGAATACAT

189" GCACTTTTCC AAACCTTTTA ATGTGTAAGA ATATATGGTA CCATGTATTT AAGAATACAT

1021' GGTACCATAT AATAAGAATA TATATTTAAG AATATATATT ATTCTTTAAG AATATATGGT

249" GGTACCATAT AATAAGAATA TATATTTAAG AATATATATT ATTCTTTAAG AATATATGGT

1081' ACCATAATGT CCTGAATGAT ACCTATGAGA GCAGTCATTT GACTTTGGCA AAAAAATGAG

309" ACCATAATGT CCTGAATGAT ACCTATGAGA GCAGTCATTT GACTTTGGCA AAAAAATGAG

1141' GTTTCTCATG GAGTCAATTT ATGCAGCAGA CAGAAAAAAA AATCCTTTGA AAGACAAATA



369" GTTCTCATG GAGTCAATTT ATGCAGCAGA CAGAAAAAAA AATCCTTTGA AAGACAAATA

1201' CATTGTGTGC TTCCTGCCAA TAACGATGTA AACTTCCTC GTTTTAGTTA ATGAAAAATA

429" CATTGTGTGC TTCCTGCCAA TAACGATGTA AACTTCCTC GTTTTAGTTA ATGAAAAATA

1261' ACACATACTT TCAAAGTTCT GTAGACTCTA AAAAGAAAGA AAACACTCAA ATGAGTCACC

489" ACACATACTT TCAAAGTTCT GTAGACTCTA AAAAGAAAGA AAACACTCAA ATGAGTCACC

1321' TATTTCCACA TTCGAGGCTG AGAAGCTATA TAAATTTCTG CAGTCACTAG CAGAAAACAC

549" TATTTCCACA TTCGAGGCTG AGAAGCTATA TAAATTTCTG CAGTCACTAG CAGAAAACAC

1381' CAAATCAACC ATAGGTCCAA GAACAATTGT CTCTGGACGG CAGCTATATC AAGATCTGGC

609" CAAATCAACC ATAGGTCCAA GAACAATTGT CTCTGGACGG CAGCTATATC AAGATCTGGC

1441' CTCGGCGGCC AAGCTTGGCA ATCCGGTACT GTTGGTAAAG CCACCATGGA AGATGCCAAA

669" CTCGGCGGCC AAGCTTGGCA ATCCGGTACT GTTGGTAAAG CCACCATGGA AGATGCCAAA

1501' AACATTAAGA AGGGCCAGC GCCATTCTAC CCACTCGAAG ACGGGACCGC CGGGGAGCAG

729" AACAT