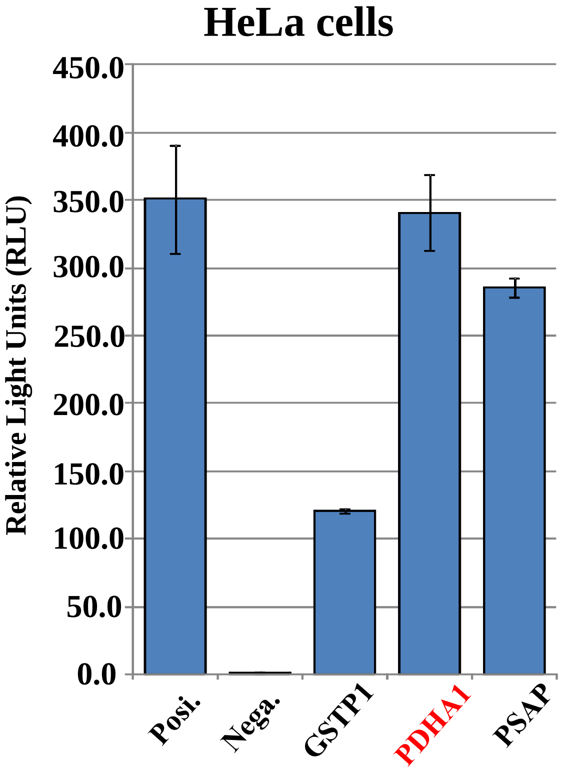
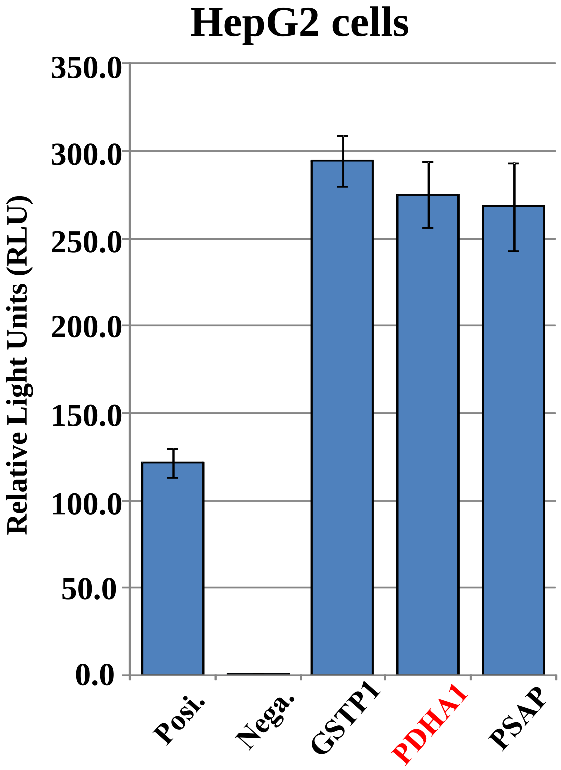
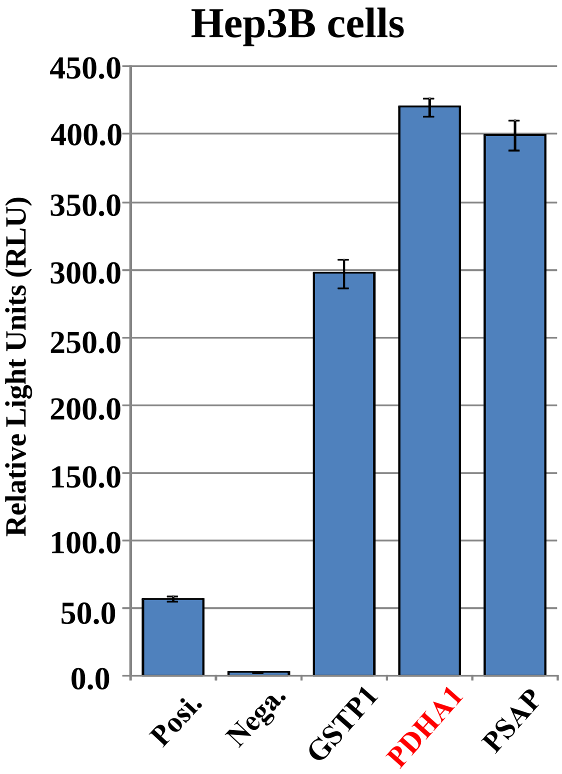
The Promoter Activities of Reporter Constructs







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

GSTP1: pGL4-phGSTP1 (RDB# 7477)
PDHA1: pGL4-phPDHA1 (RDB# 7514)
PSAP: pGL4-phPSAP (RDB# 7515)

2010, DNA Bank, RIKEN BioResource Center

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[ GENETYX : Nucleotide Sequence Homology Data ]

Date : 2009.09.30

1st Nucleotide Sequence
  File Name         : Reference Seq.gnu
  Sequence Size     : 5697

2nd Nucleotide Sequence
  File Name         : RDB7514F.fasta
  Sequence Size     : 683

  Unit Size to Compare = 1
  Pick up Location     = 1



[99.849% / 664 bp]     INT/OPT.Score : <   2650/  2650 >

     1’                      G GCCTAACTGG CCGGTACCTG AGCTCGCTAG CCTCGAGGAT
                             * ********** ********** ********** **********
     1″ GGTGCCAGAA CATTTCTCTG GCCTAACTGG CCGGTACCTG AGCTCGCTAG CCTCGAGGAT

    42’ TGAGAGCTGG TCATGCTTTG AACTTCTGCT TTGAATACTT TCAGTGACAC TGGGAGAGAA
        ********** ********** ********** ********** ********** **********
    61″ TGAGAGCTGG TCATGCTTTG AACTTCTGCT TTGAATACTT TCAGTGACAC TGGGAGAGAA

   102’ TTATCTCATT GGACCATTGT CATTGTTAGA AAATTCATTG TTATGCTGAA ATGAAATGAT
        ********** ********** ********** ********** ********** **********
   121″ TTATCTCATT GGACCATTGT CATTGTTAGA AAATTCATTG TTATGCTGAA ATGAAATGAT

   162’ TTTATTCACA CACACACACA CACACACACA AAATAGCTCT TCCTCCTGGA ACATGACTGG
        ********** ********** ********** ********** ********** **********
   181″ TTTATTCACA CACACACACA CACACACACA AAATAGCTCT TCCTCCTGGA ACATGACTGG

   222’ CCTGAAAATG TGTGAAGACA TATCCAATCC TCTCTGGTTT TACTGTTCAT CCAATTTTCT
        ********** ********** ********** ********** ********** **********
   241″ CCTGAAAATG TGTGAAGACA TATCCAATCC TCTCTGGTTT TACTGTTCAT CCAATTTTCT
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282’ GTTCTCCTCC TGGCAGGAGG ATTATATTTC ACCTTGTGGA ACTCAGACAT GGTCGGGTAA
     ********** ********** ********** ********** ********** **********
301″ GTTCTCCTCC TGGCAGGAGG ATTATATTTC ACCTTGTGGA ACTCAGACAT GGTCGGGTAA

342’ CTAGCTCTGG TCCGTGAAAA TTGAGAGGAA GTGACATGTG TCACTTCTGG GCAGAAGCTT
     ********** ********** ********** ********** ********** **********
361″ CTAGCTCTGG TCCGTGAAAA TTGAGAGGAA GTGACATGTG TCACTTCTGG GCAGAAGCTT

402’ TGAGAGCCGG TTTAAATGAT CCCTTTTCTC TTCATCCATG AGACAAGCTA AGTTCCAGAG
     ********** ********** ********** ********** ********** **********
421″ TGAGAGCCGG TTTAAATGAT CCCTTTTCTC TTCATCCATG AGACAAGCTA AGTTCCAGAG

462’ AGAGGGTGCC ACGCTGTGAG GGACCTGTGT TACGAGTACG ATGGCTCGCG TCACTTCAAA
     ********** ********** ********** ********** ********** **********
481″ AGAGGGTGCC ACGCTGTGAG GGACCTGTGT TACGAGTACG ATGGCTCGCG TCACTTCAAA

522’ TTCTTGAAAT CACTGAAATT TGGAGGTCAG TTGTTACATC ATAACCCAGC CAATTCTAGT
     ********** ********** ********** ********** ********** * ********
541″ TTCTTGAAAT CACTGAAATT TGGAGGTCAG TTGTTACATC ATAACCCAGC CCATTCTAGT

582’ TAGCCTGTTT TCTTCCTAAC TTCTTTAATC GTTCTTCATA AGTCACAATC GCAGCCCCTC
     ********** ********** ********** ********** ********** **********
601″ TAGCCTGTTT TCTTCCTAAC TTCTTTAATC GTTCTTCATA AGTCACAATC GCAGCCCCTC

642’ ACCGTTCTGA CCACTGTCCC CTGGATTCCA CTCAGTTTAC TCATTATCCC CCTTAAAATG
     ********** ********** ***
661″ ACCGTTCTGA CCACTGTCCC CTG
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1st Nucleotide Sequence
  File Name        : Reference Seq.gnu
  Sequence Size    : 5697

2nd Nucleotide Sequence
  File Name        : RDB7514R.fasta (Complementary)
  Sequence Size    : 716
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Unit Size to Compare = 1
Pick up Location     = 1



[99.582% / 717 bp]     INT/OPT.Score : <   2742/  2830 >

 841' CTGAGCCACG CTGTTAACTC GCAGTGAGCC TGTGAACCAA TAACTAGAGA AAAAAGATTT
                             ******* **** *** * ********** ******* **
   1″                       GGTGAGCC TGTG-ACCCA TAACTAGAGA AAAAAGA-TT

 901' TTCCCATTGT CCTCTCGACA TATATTGGGA AACAAATTTT TTGATCCGCG TTCAAGTAGA
      ********** ********** ********** ********** ********** **********
  37″ TTCCCATTGT CCTCTCGACA TATATTGGGA AACAAATTTT TTGATCCGCG TTCAAGTAGA

 961' CAGGGCAGAA CTGTCCAACT GCTACGTGAT CTTTTAAAGA CAAAGTTAGT GGCAGACCAT
      ********** ********** ********** ********** ********** **********
  97″ CAGGGCAGAA CTGTCCAACT GCTACGTGAT CTTTTAAAGA CAAAGTTAGT GGCAGACCAT

1021' TTACAGAAAC CAGATGTTCT GTCTTTTGGC TCTGAGCATG CTGCTAATCT TCATCATCTA
      ********** ********** ********** ********** ********** **********
 157″ TTACAGAAAC CAGATGTTCT GTCTTTTGGC TCTGAGCATG CTGCTAATCT TCATCATCTA

1081' GTGTACTGAA CGAGATGTAC TGAACGAGGG CTGCAGAGCT GCAGCACCGG CAGGAGTAGG
      ********** ********** ********** ********** ********** **********
 217″ GTGTACTGAA CGAGATGTAC TGAACGAGGG CTGCAGAGCT GCAGCACCGG CAGGAGTAGG

1141' CGCTCGGTAG GACGGGGCCT GCACAACCTC CCCGGTAGTC AGCAGAGCGG AATCTAGGAA
      ********** ********** ********** ********** ********** **********
 277″ CGCTCGGTAG GACGGGGCCT GCACAACCTC CCCGGTAGTC AGCAGAGCGG AATCTAGGAA

1201' GGCTCCTTTC CCGCGGCGCC CTGGAGGCGG GGGCCCCACC TTCCCACGCA GGCGCTATCA
      ********** ********** ********** ********** ********** **********
 337″ GGCTCCTTTC CCGCGGCGCC CTGGAGGCGG GGGCCCCACC TTCCCACGCA GGCGCTATCA

1261' AGCCCCGCCT CCTCACCCGC CCGCGGCGTG GCGTCGGAAA GAGCCCTCAG CCCCTCCCTC
      ********** ********** ********** ********** ********** **********
 397″ AGCCCCGCCT CCTCACCCGC CCGCGGCGTG GCGTCGGAAA GAGCCCTCAG CCCCTCCCTC
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1321’ TCTGGCGCTG ATACCCAATG GGCAGCCTCA GGCCTTTAGC GGGGGCGGGG CACCCCCTGG
      ********** ********** ********** ********** ********** **********
 457″ TCTGGCGCTG ATACCCAATG GGCAGCCTCA GGCCTTTAGC GGGGGCGGGG CACCCCCTGG

1381’ ACGCCGTTCT GGTTGGCCCG CGGCCCGGCG CAGCGCATGA CGTTATTACG ACTCTGTCAC
      ********** ********** ********** ********** ********** **********
 517″ ACGCCGTTCT GGTTGGCCCG CGGCCCGGCG CAGCGCATGA CGTTATTACG ACTCTGTCAC

1441’ GCCGCGGTGC GACTGAGGCG TGGCGTCTGC TGGGGCACCT GAAGGAGACT TGGGGGATCA
      ********** ********** ********** ********** ********** **********
 577″ GCCGCGGTGC GACTGAGGCG TGGCGTCTGC TGGGGCACCT GAAGGAGACT TGGGGGATCA

1501’ AGATCTGGCC TCGGCGGCCA AGCTTGGCAA TCCGGTACTG TTGGTAAAGC CACCATGGAA
      ********** ********** ********** ********** ********** **********
 637″ AGATCTGGCC TCGGCGGCCA AGCTTGGCAA TCCGGTACTG TTGGTAAAGC CACCATGGAA

1561’ GATGCCAAAA ACATTAAGAA GGGCCCAGCG CCATTCTACC CACTCGAAGA CGGGACCGCC
      ********** **********
 697″ GATGCCAAAA ACATTAAGAA
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