



Posi.: pGL3 Control Vector
(SV40 promoter)

Nega.: Empty Vector

GADD45B: pGL4-ph GADD45B(RDB# 7529)

CYP1A1: pGL4-ph CYP1A1(RDB# 7541)

Sp1: pGL4-ph Sp1(RDB# 7531)

[GENETYX : Nucleotide Sequence Homology Data]

Date : 2009.10.29

1st Nucleotide Sequence

File Name : Reference Seq. GNU
Sequence Size : 5733

2nd Nucleotide Sequence

File Name : RDB7541F.fasta
Sequence Size : 787

Unit Size to Compare = 1
Pick up Location = 1

[96.456% / 790 bp] INT/OPT. Score : < 272/ 2824 >

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1'          GGCCTA ACTGGCCGGT ACCTGAGCTC GCTAGCCTCG AGGATGGATG
          *****
1'' CAGAACATTT CTCTGGCCTA ACTGGCCGGT ACCTGAGCTC GCTAGCCTCG AGGATGGATG

47' GCGCGTAACG ATGTTAGCTG GNGGCCAGGT TGAGCTAGGC ACGCAAATAC AACTTTTTTT
          ***** ** *****
61'' GCGCGTAACG ATGTTAGCTG GG-GCCAGGT TGAGCTAGGC ACGCAAATAC AACTTTTTTT

107' TTCCTGAAA CCCNTGTAAC AGGAAGGTTT CGGAGGGCGG GACAGCGTCG GAGGCAGGCA
          ***** *** *****
120'' TTCCTGAAA CCC-TGTAAC AGGAAGGTTT CGGAGGGCGG GACAGCGTCG GAGGCAGGCA

167' GCTANGGCCA TGCCAAATGG CACTGGGGCT TCGTGTCGTG CCACAGGCGT GGACCNGAAA
          **** *****
179'' GCTA-GGCCA TGCCAAATGG CACTGGGGCT TCGTGTCGTG CCACAGGCGT GGACC-GAAA

227' ATGCGGACAC ATGCAGGCTG CCTCTCCTCG CAGGCAGAAG CCACACNGCA GACCTAGACC
          *****
237'' ATGCGGACAC ATGCAGGCTG CCTCTCCTCG CAGGCAGAAG CCACAC-GCA GACCTAGACC
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287' CTTTGCACCG CATCCCCTTA TTCAATCGCG CACCCGCNCA CCCTTCGACA GTTCCTCTCC

 296'' CTTTGCACCG CATCCCCTTA TTCAATCGCG CACCCGC-CA CCCTTCGACA GTTCCTCTCC

 347' CTCCACCCCA ACCCCACGCC GCGCGGANG GCTGGCCCTT TAAGAGCCCC GCCCCGACTC

 355'' CTCCACCCCA ACCCCACGCC GCGCGGA-G GCTGGCCCTT TAAGAGCCCC GCCCCGACTC

 407' CCTCCCCCT CGCGTGACTN GCGAGCCCC GCGCCGGGCC GGGGAATGGG TCGGCTGGGT

 414'' CCTCCCCCT CGCGTGACT- GCGAGCCCC GCGCCGGGCC GGGGAATGGG TCGGCTGGGT

 467' GGCTGCGCGG NGCCTCCGGT CTTTCTCAG CAACGCCTGG GCACCGCGCC TCCGGGCCAG

 473'' GGCTGCGCGG -GCCTCCGGT CTTTCTCAG CAACGCCTGG GCACCGCGCC TCCGGGCCAG

 527' GNTGGGGCGG GGACGGGCCG CCTGACCTCT GCCCCCTAGA GGGATGTGCG CGNGCGCAGG
 * *****
 532'' G-TGGGGCGG GGACGGGCCG CCTGACCTCT GCCCCCTAGA GGGATGTGCG CG-GCGCAGG

 587' CAAGCTAGCC GGGGGTAGGG TGGGGCTCC GCGCCAGGTG CCCNCCTCCG TGGTCCCTGG

 590'' CAAGCTAGCC GGGGGTAGGG TGGGGCTCC GCGCCANGTG CCC-CCTCCG TGGTCCCTGG

 647' GCCCGAGTCT TTCCGTGGCC CCCC GCCGCC GGATNTTCTG TGCTCTGCCA ATCAAAGCAC

 649'' GCCCGAGTC- TTCCGTGG-C CCCC GCCGCC NGAT-TTCTG TGCTCTGCCA ATCAAAGCAC

 707' TAGCCACCCC GGGAGCCAAG AGGGANCCCT CAAGGGCCCG TGGGTCCTGG CTGGAGGGAC

 706'' TAGCCACCCC GGGAGCCAAG AGGGA-CCCT CAAGGGCCCG TGGGGTCTGG CT-GAAGGAC

 767' CGCGGTTGC AATCAGNCAC TAAGGCGATC CTAGAGGCTG CGAGGAGCCG CTAGTGAGCG
 *** *****
 764'' CGCCCGTTGC AA-CAGCACC TANGC

Date : 2009.11.13

1st Nucleotide Sequence

File Name : Reference Seq. GNU
Sequence Size : 5733

2nd Nucleotide Sequence

File Name : RDB7541R. fasta (Complementary)
Sequence Size : 772

Unit Size to Compare = 1
Pick up Location = 1

[97.074% / 786 bp] INT/OPT. Score : < 499/ 2834 >

781' AGNCACTAAG GCGATCCTAG AGGCTGCGAG GAGCCGCTAG TGAGCGCTCA GCGNAGCCTG

1" CCCTG

841' CCCC-TTCGC CATCCATTCC GATCCTTCAA TCAAGAGGCG CGAACNCTCA GCTAGTCGCC
**** ** * ***** ** ***** ***** ***** ***** *****

6" CCCCTTTGGC AATCCAATCC GATCCTTCAA TCAAGAGGCG CGAAC-CTCA GCTAGTCGCC

900' CGGGCTCTGG GGGACAGGTC CAGCCCCGCG GCGCCTNCTG GCCTTCCGGC CCCCGTGACC
***** * ***** ***** ***** * ***** *****

65" CGGGCTCT-G GGGACAGGTC CAGCCCCGCG- GCGCCT--CG GCCTTCCGGC CCCCGTGACC

960' TCAGGGCTGG GGTGCGAGCG CTTCTCANGC CGAGCCGGGA CTCAGTAACC CCGGGAAGGA
*** ***** ***** ** ***** ***** *****

121" TCA-GGCTGG GGTGCGAGCG CTTCTCA-CG CGAGCCGGGA CTCAGTAACC CCGGGAAGGA

1020' GGTCACCACG GGGCAGCCNC CGCCCCGCC TGCCGAGTCC TGGTAGGCTG TAGCGCTGGG
***** ***** * ***** ***** ***** *****

179" GGTCACCACG GGGCAGCC-C CGCCCCGCC TGCCGAGTCC TGGTAGGCTG TAGCGCTGGG

1080' GAGGCATCTN GCACGCCAG CGTTCCAGTG GGTGCAAAAA TGACGAAGAG GAGTCCCGC
***** ***** ***** ***** ***** *****



238" GAGGCATCT- GCACGCCAG CGTCCAGTG GGTGCAAAA TGACGAAGAG GAGTCCCCGC

 1140' NGCCCCAGGA TGGAGCTTCC CGTACCCTCT CTTGGGGCTG TCCTGGGACT TNCTCCCTCA

 297" -GCCCCAGGA TGGAGCTTCC CGTACCCTCT CTTGGGGCTG TCCTGGGACT T-CTCCCTCA

 1200' AGCCCCCTCC TCGGCTGGGT TCTGCACTGC CTTGGGACG CCNTTGGAAT TGGGACTTCC

 355" AGCCCCCTCC TCGGCTGGGT TCTGCACTGC CTTGGGACG CC-TTGAAT TGGGACTTCC

 1260' AGGTGTTCCC AGCCCTCACC CCTCTATGTA CAGNGCACCG AGATGTGTCC CATAGTGGGT

 414" AGGTGTTCCC AGCCCTCACC CCTCTATGTA CAG-GCACCG AGATGTGTCC CATAGTGGGT

 1320' TCTTGCCAC CCGACCCCC ACCCNCGCC GCCCTCCGCC ACCTTTCTCT CCAATCCCAG

 473" TCTTGCCAC CCGACCCCC ACCC-CCGCC GCCCTCCGCC ACCTTTCTCT CCAATCCCAG

 1380' AGAGACCAGC CCGGTNTCAG GCTGCTTCTC CCTCCATCTC AGCTCGCTCC AGGGAAGGAG

 532" AGAGACCAGC CCGGT-TCAG GCTGCTTCTC CCTCCATCTC AGCTCGCTCC AGGGAAGGAG

 1440' GCGTGGNCCA CACGTACAAG CCCGCCTATA AAGGTGGCAG TGCCTTACC CTCACCCNTG

 591" GCGTGG-CCA CACGTACAAG CCCGCCTATA AAGGTGGCAG TGCCTTACC CTCACCC-TG

 1500' AAGGTGACAG TTCCTTGAA CTTCCCTGA TCCATCAAGA TCTGGCCTCG GCGGCAAGC

 649" AAGGTGACAG TTCCTTGAA CTTCCCTGA TCCATCAAGA TCTGGCCTCG GCGGCAAGC

 1560' TTGCAATCC GGTACTGTTG GTAAAGCCAC CATGGAAGAT GCCAAAAACA TTAAGAAGGG

 709" TTGCAATCC GGTACTGTTG GTAAAGCCAC CATGGAAGAT GCCAAAAACA TTAAGAAGAG

 1620' CCCAGCGCCA TTCTACCCAC TCGAAGACGG GACCGCCGGC GAGCAGCTGC ACAAAGCCAT
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 769" CCAT