



Posi.: pGL3 Control Vector
(SV40 promoter)

Nega.: Empty Vector

PENK: pGL4-phPENK (RDB#7293)

TG: pGL4-phTG (RDB#7304)

AQP3: pGL4-phAQP3 (RDB#7311)

HPGD: pGL4-phHPGD (RDB#7457)

[GENETYX : Nucleotide Sequence Homology Data]

Date : 2009.07.09

1st Nucleotide Sequence

File Name : Reference Seq.prj
Sequence Size : 5493

2nd Nucleotide Sequence

File Name : RDB7457F.prj
Sequence Size : 244

Unit Size to Compare = 1
Pick up Location = 1

[96.774% / 248 bp] INT/OPT.Score : < 307/ 882 >

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1' GGCCTAACTG GCCGGTACCT GAGCTCGCTA GCCTCGAGGA TCTCCCATTT CCCCCAAGTA
                                     ***** *****
1"                                     CTCCCATTT CCCCCAAGTA

61' TT--TAGATT TTNTTTTTTC TTTAAGAAAA TAAATGCCAG CTGGGCATAG TGGTCATGC
   ** ***** ** ***** ***** ***** ***** ***** *****
20" TTGTTAGATT TT-TTTTTTC TTTAAGAAAA TAAATTCCAG CTGGGCATAG TGGTCATGC

119' CTGNTAATCT TAGCACTCTT TGGGAGTCCA AGGTGGGAGG GTCGCTTGAG CCCTNGGAGA
   *** ***** ***** ***** ***** ***** ***** *****
79" CTG-TAATCT TAGCACTCTT TGGGAGTCCA AGGTGGGAGG GTCGCTTGAG CCCT-GGAGA

179' TTGAGGTTGC AGCGAGCTGG GATTATGCCA CTGCATTCTA GCCAANACAG ACAGAGCGAG
   ***** ***** ***** ***** ***** ***** ***** *****
137" TTGAGGTTGC AGCGAGCTGG GATTATGCCA CTGCATTCTA GCCAA-ACAG ACAGAGCGAG

239' ATCTTGTCTC AAGATTAATAA AAAAAAAAAA AAAAAANAAA GCCAACCACT TACGTTTACA
   ***** ***** ***** ***** ***** ***** ***** *****
196" ATCTTGTCTC AAGATTAATAA AAAAAAAAAA AAAAAA-AAA GCCAACCACT
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1st Nucleotide Sequence

File Name : Reference Seq.prj
Sequence Size : 5493

2nd Nucleotide Sequence

File Name : RDB7457R.prj (Complementary)
Sequence Size : 400

Unit Size to Compare = 1
Pick up Location = 1

[98.030% / 406 bp] INT/OPT.Score : < 236/ 1509 >

841' TGTTTTG TTC CGGAGTCGGG GCCGGGAGGG AGTGCAGGAG GAGGGANTCC AAGCTTCCAA
1" .*** *****
GATCC AAGCTTCCAA

901' GCCTCTGCTC CGCTCTCCTT CTATCCAGTT GGTCTTTNAG GGCAC TGAAG GAAACTCTTC

16" GCCTCTGCTC CGCTCTCCTT CTATCCAGTT GGTCTTT-AG GGCAC TGAAG GAAACTCTTC

961' TTCAGAAATA ACCTTTTAAC TTTTCTTCNT GTCAGCTGCC TGCCAATCAC GGAGCCAGAG

75" TTCAGAAATA ACCTTTTAAC TTTTCTTC-T GTCAGCTGCC TGCCAATCAC GGAGCCAGAG

1021' GCTGAGGGGA GGCTTTGAGN CCGGTCTGCG AGTCCGGAAG GCAAAGATCG CGAAGCTTGG

134" GCTGAGGGGA GGCTTTGAG- CCGGTCTGCG AGTCCGGAAG GCAAAGATCG CGAAGCTTGG

1081' CGCTCCAGAA NCGCTCAGGG GGCAGGTGAC ACAGTCGTGG GTTCCCCGGC GGGCGCTGGC

193" CGCTCCAGAA -CGCTCAGGG GGCAGGTGAC ACAGTCGTGG GTTCCCCGGC GGGCGCTGGC



1141' TNTGACAGTT TCCTCCCGC CCACTGGCAG GGGAGCGCC CGCCGGGCTG CANGCGCGC
* ***** ***** ***** ***** ***** ** *****
252" T-TGACAGTT TCCTCCCGC CCACTGGCAG GGGAGCGCC CGCCGGGCTG CA-CGCGCGC

1201' GCGCGCAGGG GGGCATAAAA GCCGCGGCCG CGCGGAGACG CGGNAGCTCG CCCACCGCC
***** ***** ***** ***** ** ***** *****
310" GCGCGCAGGG GGGCATAAAA GCCGCGGCCG CGCGGAGACG CGG-AGCTCG CCCACCGCC

1261' GCCCAGCAG TGGCTGCACC ATGCACGTGA ACATCAAGAT CTGGCCTCGG CGGCCAAGCT
***** ***** ***** **
369" GCCCAGCAG TGGCTGCACC ATGCACGTGA AC