

RIKEN clone ID: IRAK107C12

Vector : pCMV-SPORT6

Gene	SLC14A1	
Accession No.	BC050539.1	1708 bp
	<i>CDS</i>	1170 bp
		159..1328

● Plasmid DNA purification

Date : 100614 Culture : LB (100 ug/ml Ampicillin) 3 ml → 37°C O/N

Date : 100615 Purification : QIAGEN Miniprep kit → dH₂O 100 ul

● Digestion by restriction enzyme / Concentration calibration

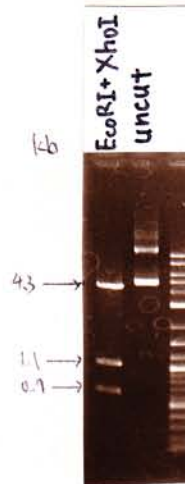
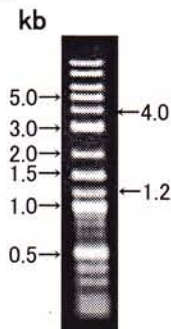
Date : 100615

DNA concentration (O.D.): 160.87 ng/ul

DNA	1 ul
Enzyme (EcoRI+XhoI)	0.5+0.5 ul
Buffer H	1 ul
dH ₂ O	7 ul
Total	10 ul

Erectrophoresis: 1% agarose gel, 1 × TAE Buffer

Marker: 2-Log DNA Ladder (NEB#N3200L)



<Expected digestion pattern from BC050539.1>

4339, 672, 1079 bp

● Adjust plasmid DNA solution to 25 ng/ul ~preparation for shipping~

Date : 100617 Shipped : 25 ng/ul, 40 ul

Final concentration: 25 ng/ul

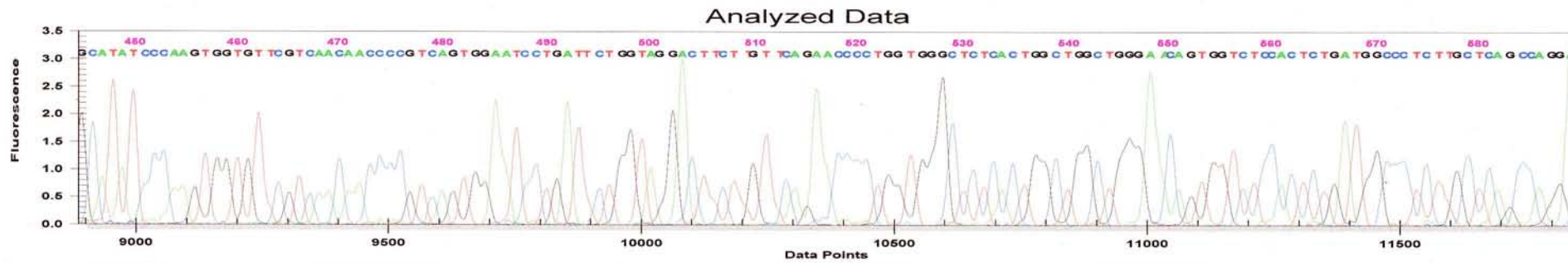
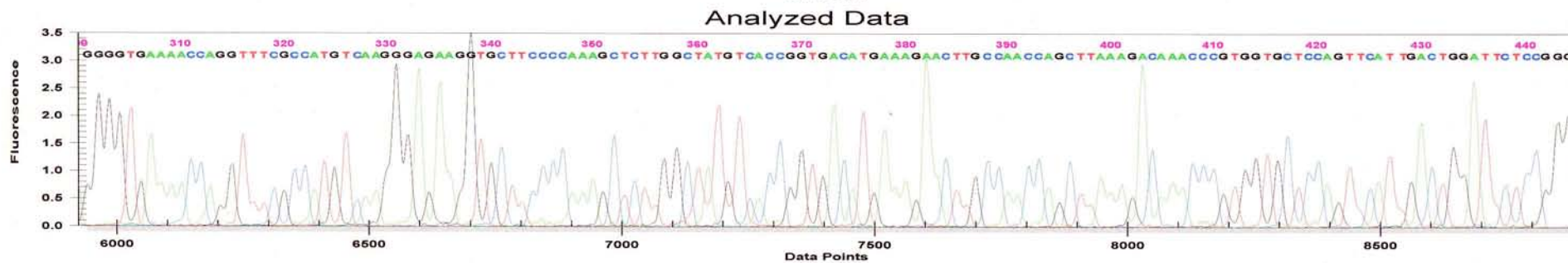
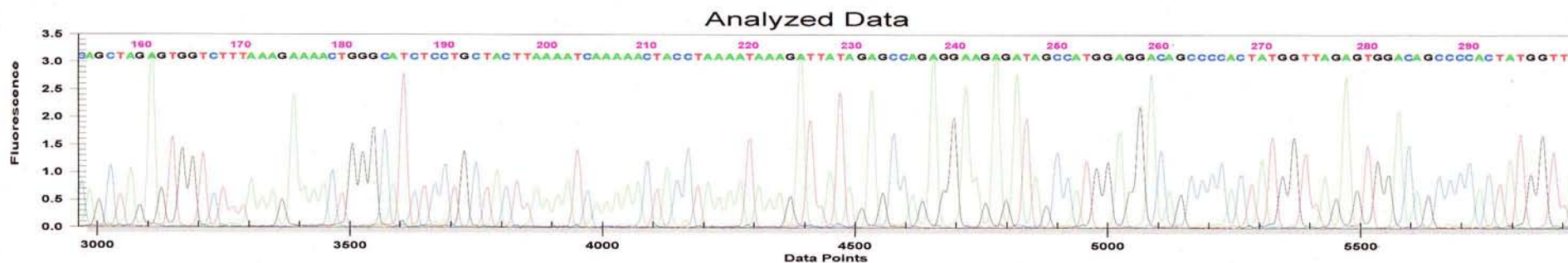
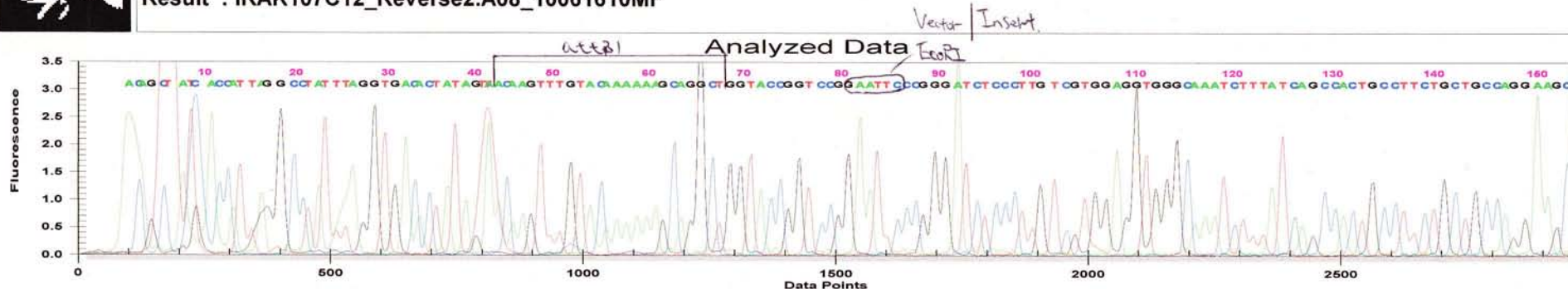
DNA (<u>160.87</u> ng/ul)	84	ul
10 × TE	54.1	ul
dH ₂ O	402.4	ul
Total	540.5	ul



Project : GNP
Sample : IRAK107C12_Reverse2.A08_10061610MF
Result : IRAK107C12_Reverse2.A08_10061610MF

System : CEQ System

Operator : 2.100616.furu
Instrument : CEQ System (Ver. 9.0.25)



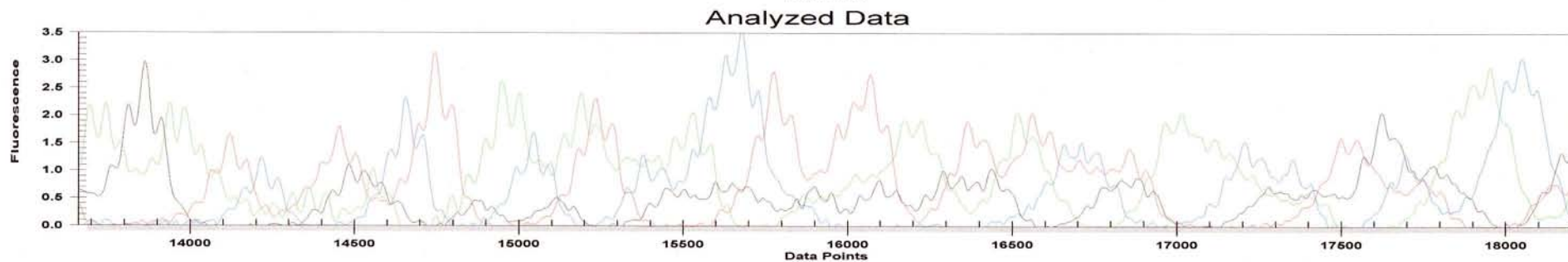
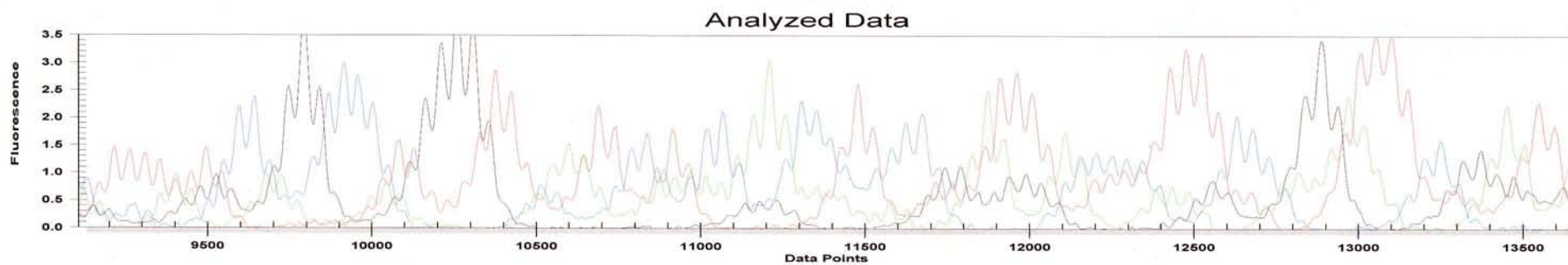
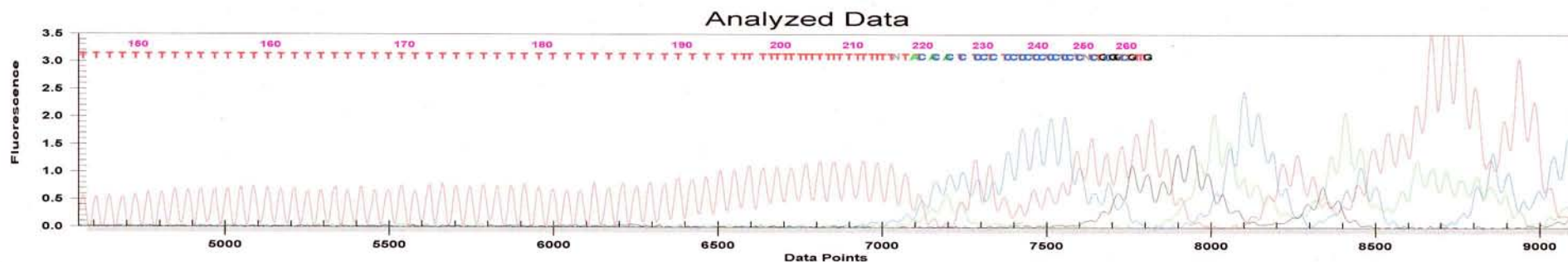
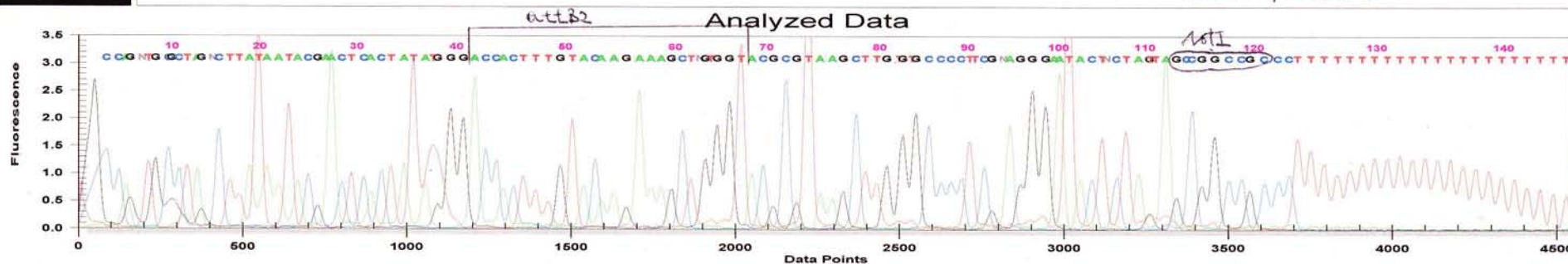


Project : GNP
Sample : IRAK107C12_M13.B08_10061610MF
Result : IRAK107C12_M13.B08_10061610MF

System : CEQ System

Operator : 2.100616.furu
Instrument : CEQ System (Ver. 9.0.25)

Vector | Insert

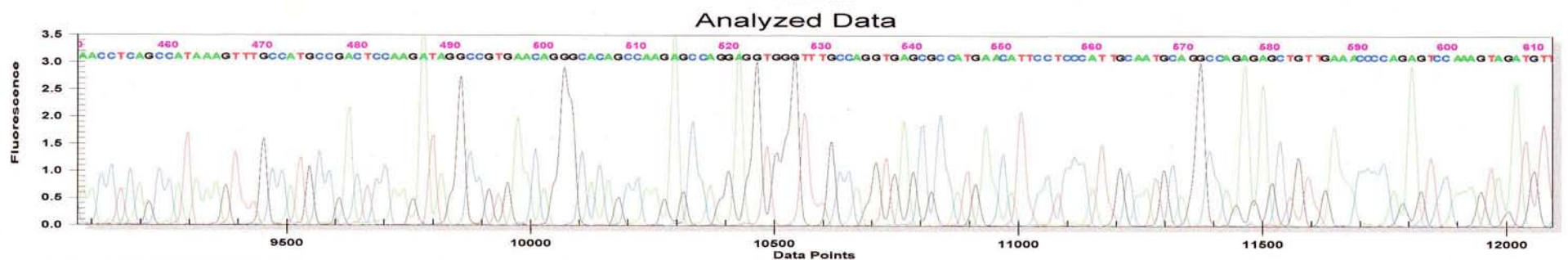
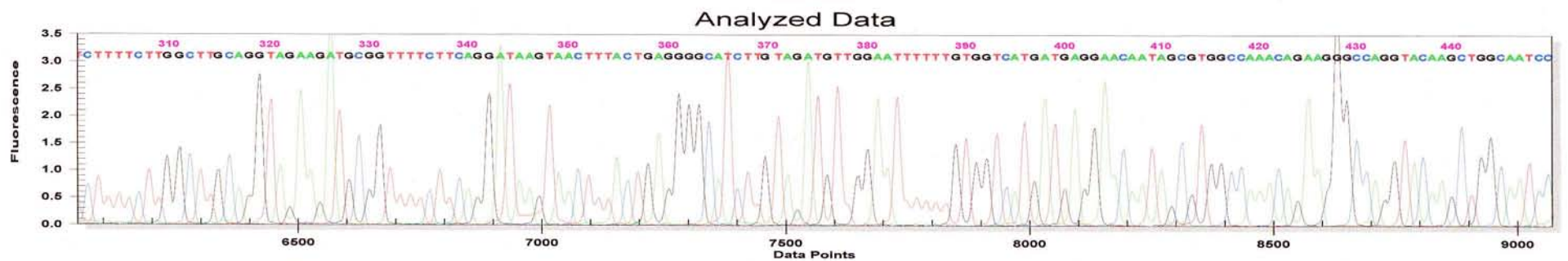
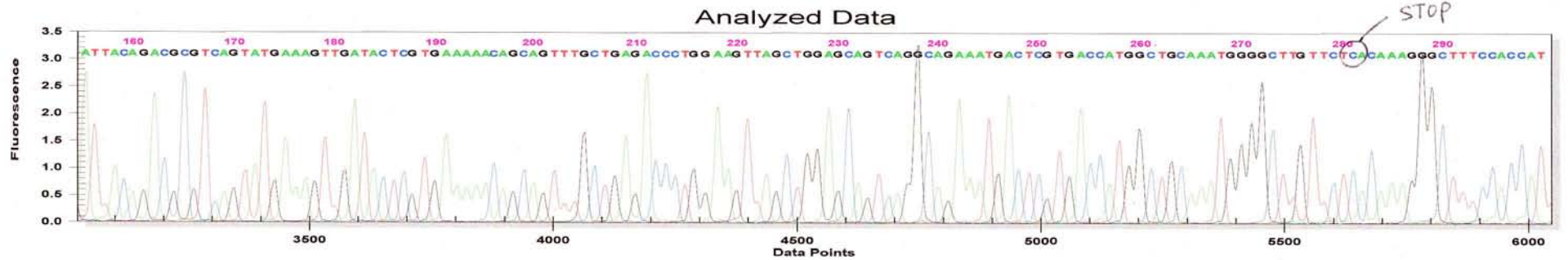
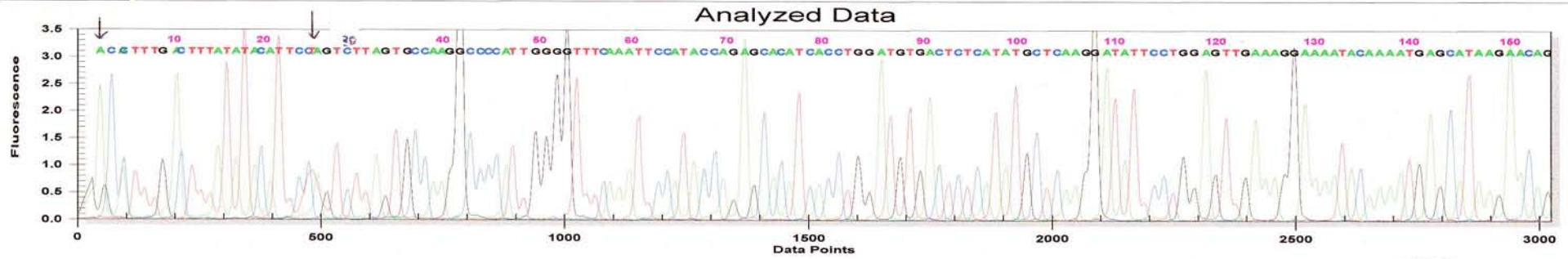




Project : GNP
Sample : IRAK107C12_GNP01.C08_10061610MF
Result : IRAK107C12_GNP01.C08_10061610MF

System : CEQ System

Operator : 2.100616.furu
Instrument : CEQ System (Ver. 9.0.25)



[GENETYX : Nucleotide Sequence Homology Data]

Date : 2010.06.16

1st Nucleotide Sequence
File Name : BC050539.1.gnu
Sequence Size : 1708

2nd Nucleotide Sequence
File Name : IRAK107C12_Reverse2.A08_10061610MF.fasta
Sequence Size : 780

Unit Size to Compare = 6
Pick up Location No. = 1

[681 / 693 bp] INT/OPT.Score : < 2464/ 2650 >

1' CTCCCTTG TCGTGGAGGT GGSCAAATCT
61" GCAGGCTGGT ACCGGTCCGG AATTCOCGGG ATCTCCCTTG TCGTGGAGGT GGSCAAATCT
29' TTATCAGCCA CTGCCCTCTG CTGCCAGGAA GCCAGCTAGA GTGGTCTTTA AAGAAAACCTG
121" TTATCAGCCA CTGCCCTCTG CTGCCAGGAA GCCAGCTAGA GTGGTCTTTA AAGAAAACCTG
89' GGCATCTCCT GCTACTTAAA ATCAAAAACCT ACCTAAAATA AAGATTATAG AGCCAGAGGA
181" GGCATCTCCT GCTACTTAAA ATCAAAAACCT ACCTAAAATA AAGATTATAG AGCCAGAGGA
149' AGAGATAGCC ATGGAGGACA GCCCCACTAT GGTAGAGTG GACAGCCCCA CTATGGTTAG
241" AGAGATAGCC ATGGAGGACA GCCCCACTAT GGTAGAGTG GACAGCCCCA CTATGGTTAG
209' GGGTGA AAC CAGGTTTCGC CATGTCAAGG GAGAAGGTGC TTCCCAAAAG CTCTTGCTTA
301" GGGTGA AAC CAGGTTTCGC CATGTCAAGG GAGAAGGTGC TTCCCAAAAG CTCTTGCTTA
269' TGTCACCGGT GACATGAAAG AACTTGCCAA CCAGCTTAAA GACAAACCCG TGGTGTCTCA
361" TGTCACCGGT GACATGAAAG AACTTGCCAA CCAGCTTAAA GACAAACCCG TGGTGTCTCA
329' GTTCATTGAC TGGATTCTCC GGGGCATATC CCAAGTGGTG TTCGTCAACA ACCCCGTCAG
421" GTTCATTGAC TGGATTCTCC GGGGCATATC CCAAGTGGTG TTCGTCAACA ACCCCGTCAG
389' TGGAAATCCTG ATTCTGGTAG GACTTCTTGT TCAGAACCCC TGGTGGGCTC TCACTGGCTG
481" TGGAAATCCTG ATTCTGGTAG GACTTCTTGT TCAGAACCCC TGGTGGGCTC TCACTGGCTG
449' GCTGGGAACA GTGGTCTCCA CTCTGATGGC CCTCTTGCTC AGCCAGGACA GGTCATTAAT
541" GCTGGGAACA GTGGTCTCCA CTCTGATGGC CCTCTTGCTC AGCCAGGACA GGTCATTAAT
509' AGCATCTGGG CTCTATGGCT ACAATGCCAC CCTGGTGGGA GTACTCATGG CTGTCTTTTC
601" AGCATCTGGG CTCTATGGCT ACAATGCCAC CCTGGTGGGA GTACTCATGG CTGTCTTTTC
569' GGACAAGGGA GACTATTTCT GGTGGCTGTT ACTCCCTGTA TGTGCTATGT CCATGACTTG
661" GGACAAGGGA GACTATTTCT GGTGGCTGTT ACTCCCTGTA TGTGCTATGT -CATGACTTG
629' CCCAATTTTC TCAAGTGCAI TGAATTCCTG GCTCAGCAA TGGGACCTCC CCGTCTTCAC
720" CCCAA-TTTC TCAAGTGCAI TGAATTCCTG GCTCAGCAA TGGGAACT-C CCGTCTTCAC
689' CCTCCCTTTC AACATGGCGT TGTCAATGTA CCTTTCAGCC ACAGGACATT ACAAATCCGTT
776" CCTCC

1st Nucleotide Sequence
File Name : BC050539.1.gnu
Sequence Size : 1708

2nd Nucleotide Sequence
File Name : IRAK107C12_GNP01.C08_10061610MF.fasta (Complementary)
Sequence Size : 725

Unit Size to Compare = 6
Pick up Location No. = 1

[723 / 729 bp] INT/OPT.Score : < 2452/ 2820 >

841' TGGGAGTTGG TCAGATCTAT GGCTGTGATA ATCCATGGAC AGGGGGCATT TTCCTGGGAG
1" GGAC AGGGGGCATT TTCCT-GGAG
901' CCATCCTACT CTCCTCCCCA CTCATGTGCC TGCATGCTGC CATAGGATCA TTGCTGGGCA
24" CCATCCTACT CTCCT-CCCA CTCATGTGCC TGCATGCTGC CATA-GATCA TTGCT-GGCA
961' TAGCAGCGGG ACTCACTCTT TCAGCCCCAT TTGAGAACAT CTACTTTGGA CTCTGGGGTT
81" TAGCAGC-GG ACTCAGTCTT TCAGCCCCAT TTGAGAACAT CTACTTTGGA CTCTGGGGTT
1021' TCAACAGCTC TCTGGCCTGC ATTGCAATGG GAGGAATGTT CATGGCGCTC ACCTGGCAAA
140" TCAACAGCTC TCTGGCCTGC ATTGCAATGG GAGGAATGTT CATGGCGCTC ACCTGGCAAA
1081' CCCACCTCCT GGCTCTTGGC TGTGCCCTGT TCACGGCCTA TCTTGGAGTC GGCATGGCAA
200" CCCACCTCCT GGCTCTTGGC TGTGCCCTGT TCACGGCCTA TCTTGGAGTC GGCATGGCAA
1141' ACITTTATGGC TGAGGTTGGA TTGCCAGCTT GTACCTGGCC CTCTGTTTG GGCACGCTAT
260" ACITTTATGGC TGAGGTTGGA TTGCCAGCTT GTACCTGGCC CTCTGTTTG GGCACGCTAT
1201' TGTTCCTCAT CATGACCACA AAAAATTCGA ACATCTACAA GATGCCCTC AGTAAAGTTA
320" TGTTCCTCAT CATGACCACA AAAAATTCGA ACATCTACAA GATGCCCTC AGTAAAGTTA
1261' CTTATCCTGA AGAAAACCGC ATCTTCTACC TGCAAGCCAA GAAAAGATG GTGGAAAGCC
380" CTTATCCTGA AGAAAACCGC ATCTTCTACC TGCAAGCCAA GAAAAGATG GTGGAAAGCC
1321' CTTTGTGAGA ACAAGCCCCA TTTGCAGCCA TGGTCAGGAG TCATTTCTGC CTGACTGCTC
440" CTTTGTGAGA ACAAGCCCCA TTTGCAGCCA TGGTCAGGAG TCATTTCTGC CTGACTGCTC
1381' CAGCTAACTT CCAGGGTCTC AGCAAATGC TGTTTTTCAC GAGTATCAAC TTTCACTAGT
500" CAGCTAACTT CCAGGGTCTC AGCAAATGC TGTTTTTCAC GAGTATCAAC TTTCACTAGT
1441' ACGCGTCTGT AATCTGTCTT TATGCTCATT TTGTATTTTC CTTTCAACTC CAGGAATATC
560" ACGCGTCTGT AATCTGTCTT TATGCTCATT TTGTATTTTC CTTTCAACTC CAGGAATATC
1501' CTTGAGCATA TGAGAGTCAC ATCCAGGTGA TGTGCTCTGG TATGGAATTT GAAACCCCAA
620" CTTGAGCATA TGAGAGTCAC ATCCAGGTGA TGTGCTCTGG TATGGAATTT GAAACCCCAA
1561' TGGGGCCTTG GCACCTAAGC T-GGAATGTA TATAAAGTCA AAGTGTCTCA ACAGAAGGAG
680" TGGGGCCTTG GCACCTAAGC TAGGAATGTA TATAAAGTCA AAGTGT