

**RIKEN Clone ID : IRAK034M01**

Vector : pBluescriptR

Gene	SLC30A3	
Accession No.	BC028358.2	2096 bp
	<i>CDS</i>	1167 bp
		1..2096
		175..1341

● Plasmid DNA purification

Date : 130507

Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C over night

Date : 130509

Purification : QIAGEN Miniprep kit -> dH<sub>2</sub>O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 130509

DNA concentration (O.D.): 197 ng/ul

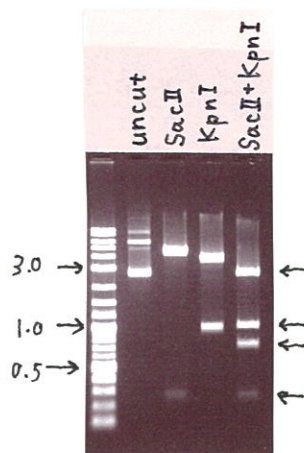
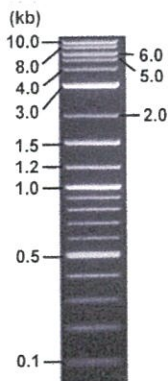
<Expected size of fragment from BC028358.2 >

DNA	0.2	ul
Enzyme (SacII + KpnI )	0.5 + 0.5	ul
Buffer L	1	ul
dH <sub>2</sub> O	7.8	ul
Total	10	ul

SacII	4762, 324 bp
KpnI	4010, 1076 bp
SacII + KpnI	2862bp (Vector) 1076, 824, 324 bp

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Confirmation of the insertion sequence

Date : 130510

Primer A	T7
Primer B	Reverse2
Primer C	-
List of Sequencing Primers	<a href="http://dna.brc.riken.jp/en/GNPclone3en.html">http://dna.brc.riken.jp/en/GNPclone3en.html</a>

● Adjustment of DNA concentration

Shipping amount : 40 ul

Concentration at the time of preparation of plasmid DNA : 25 ng/ul

Date : 130513

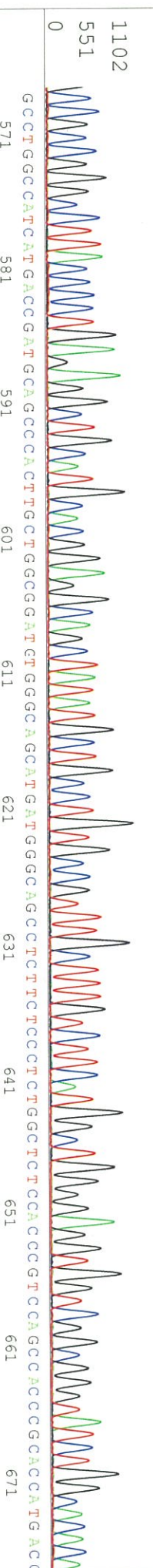
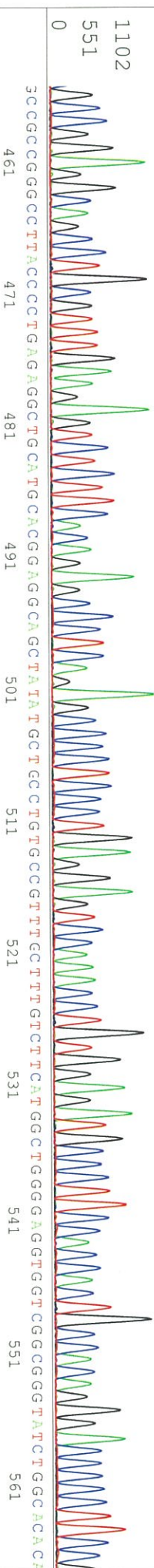
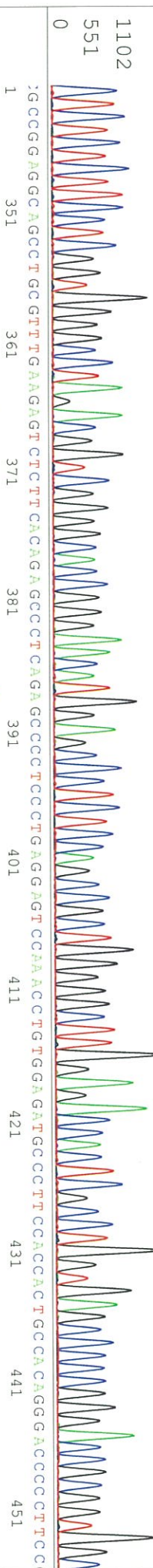
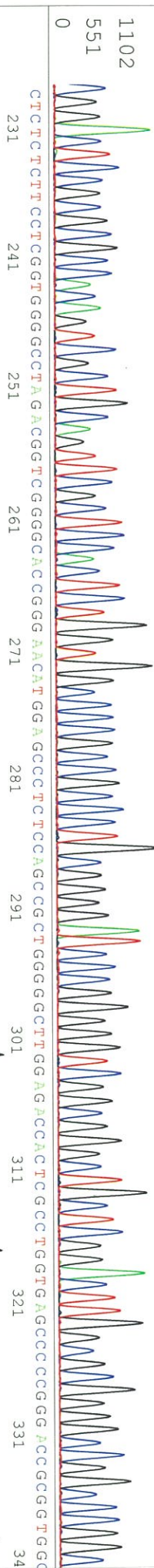
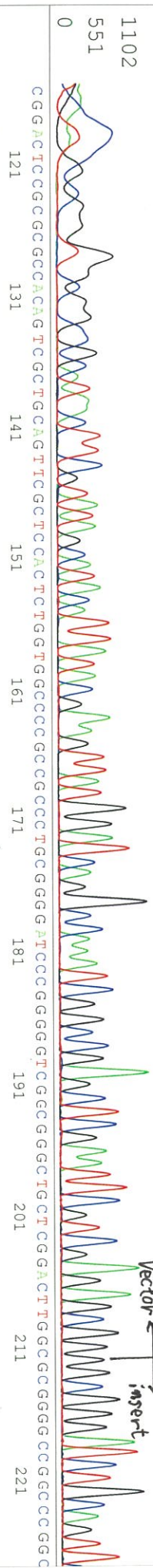
DNA ( <u>197</u> ng/ul)	85.0	ul
10x TE	67.0	ul
dH <sub>2</sub> O	517.8	ul
Total	669.8	ul



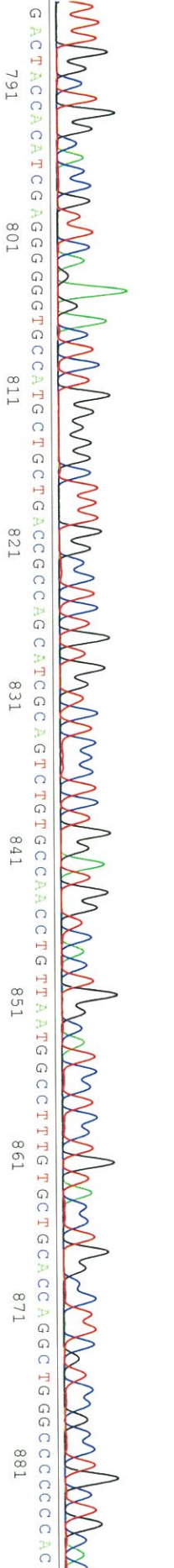
APPROVED BY :

<http://dna.brc.riken.jp/index.html>

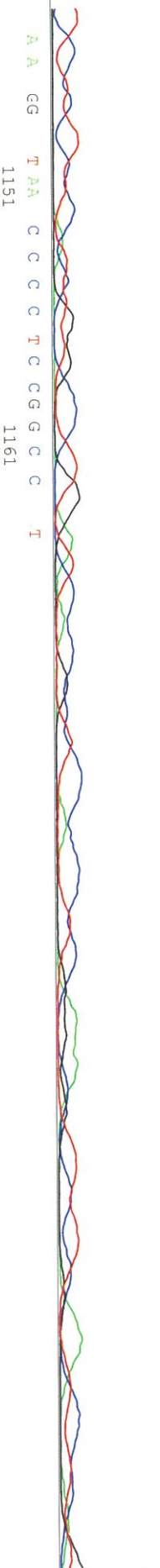
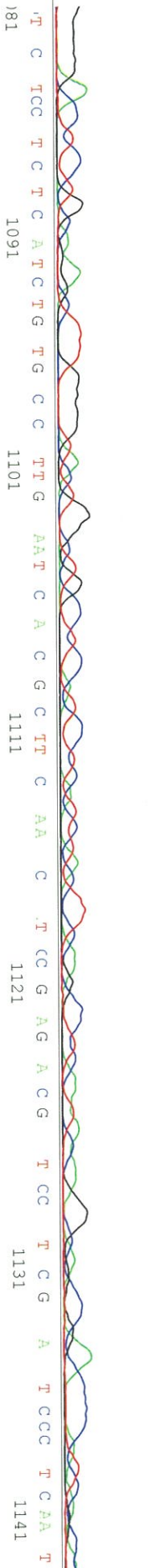
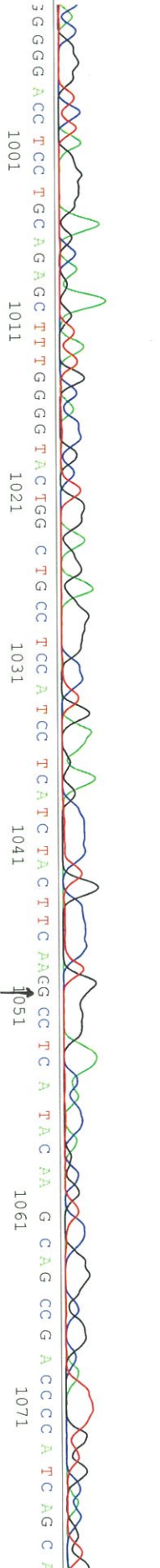
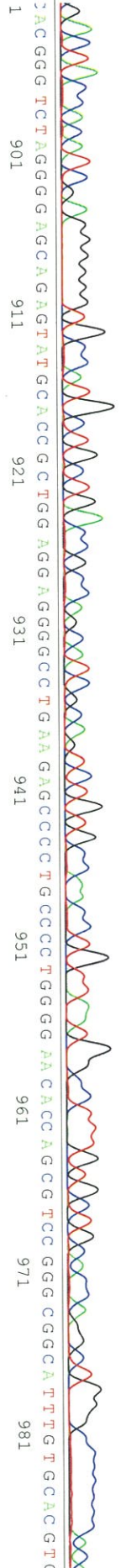
TGA AATCG CGCG GGGGCCCATTTACTTCGTATA GCATTCA TTTATCGAAGTTT G GAT CAG GCCAATTCGGCCGAGCTCGAATTCTCGTAGAGCGGGGGATCTCGAGTT



T T T G G C T G G C A C C C G T T C A G A G A C T C T G G G G G C T T T G G C C T C T G T G G T C C C T C T G G A T G T C A C T G G C A T C C T C C T G T A C C T G G C C T T C G T C C G C C T G C T G C A G C



G A C T A C C A C A T C G A G G G G G T G C C A T G C T G C T G A C C C C A G C A T C C G C A G T C T G T G C C A A C C T G T T A A T G C C T T T G T G C A C C A G G C T G G G C C C C C C C A C A G C



S/N G:274 A:139 T:192 C:33  
KB.bcp  
KB 1.4.1.8 Cap.4  
Primer B : Reverse2

5' GCGGATTAACAATTTCACACAGG 3'

Version 5.4 HiSQV Bases: 1000

Plate Name: 20130510\_DNAbank\_GNP

CATG (C G ATTCGCCA GCTCGAATTAACTTCACTAAAAGGAAACAAAAGCTGTACCGGGGCCCCCTCGAAGGFTCAAGCCCTTATGGCCGGATCCA GCGCTGGAGAG

*KpnI* *ApaI*

*BamHI*

