

**RIKEN Clone ID : IRAK166008**

Vector : pCMV-SPORT6

Gene	ALDH7A1	
Accession No.	BC071712.1	1832 bp
	<i>CDS</i>	1536 bp
		1..1832
		71..1606

● Plasmid DNA purification

Date : 130527

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

Date : 130528

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

● Digestion by restriction enzyme/Concentration calibration

Date : 130528

DNA concentration (O.D.): 220 ng/ul

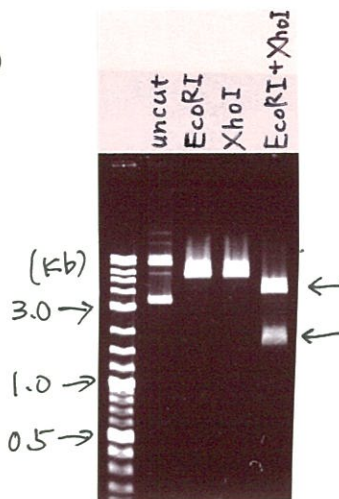
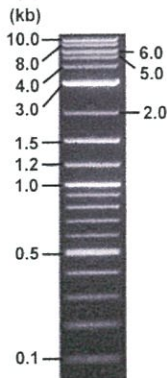
<Expected size of fragment from BC071712.1 >

DNA	0.2	ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5	ul
Buffer H		1 ul
dH <sub>2</sub> O	7.8	ul
Total		10 ul

EcoRI	6214 bp
XhoI	6214 bp
EcoRI + XhoI	4339bp (Vector) 1875 bp

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Confirmation of the insertion sequence

Date : 130531

Primer A	Reverse2
Primer B	M13
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 : 130603

DNA (220 ng/ul)	85.0	ul
10x TE	75.0	ul
dH <sub>2</sub> O	588.0	ul
Total	748.0	ul

APPROVED BY :

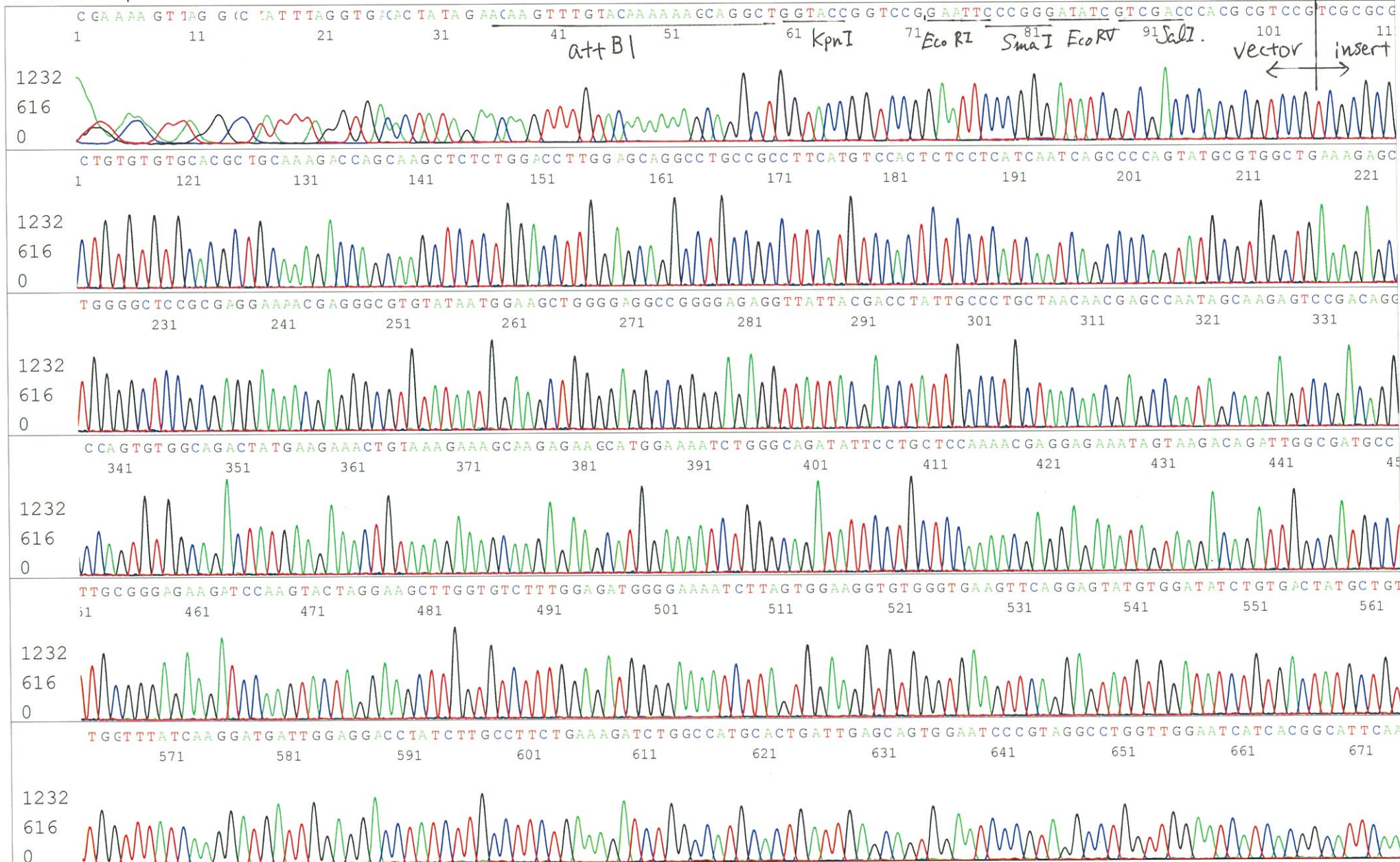


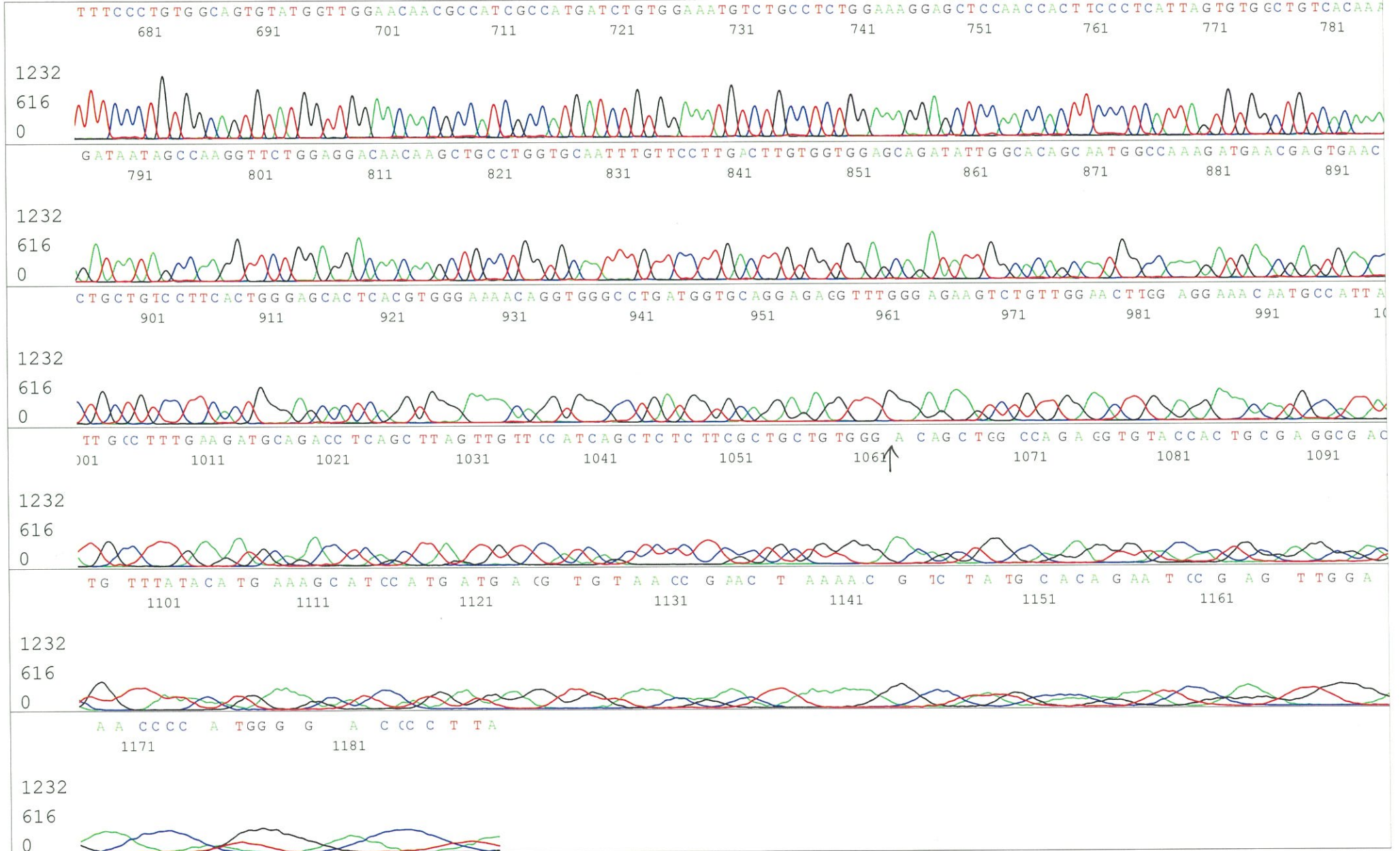
S/N G:274 A:184 T:141 C:1 Primer A : Reverse2

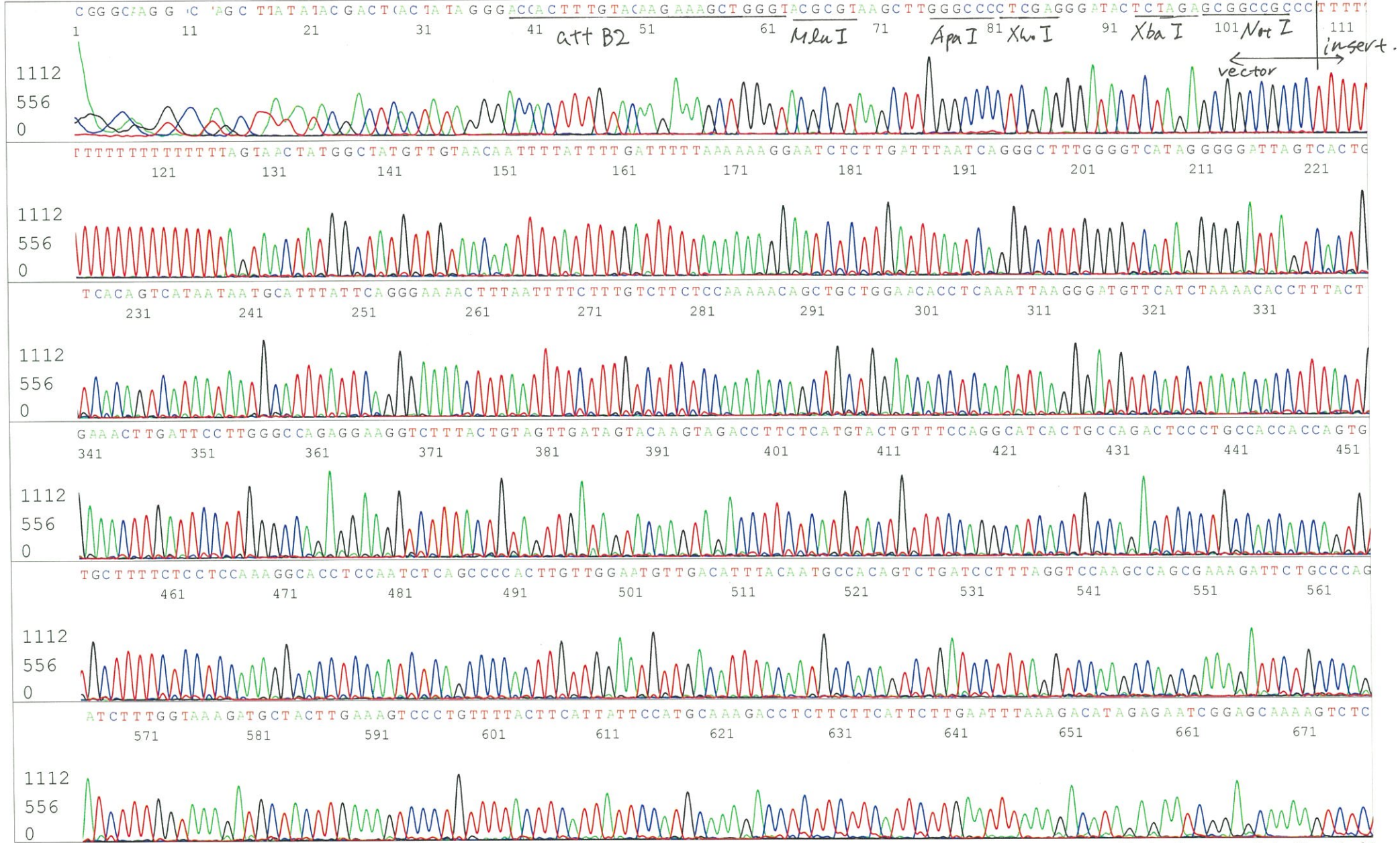
KB.bcp

KB 1.4.1.8 Cap:14

5' GCGGATAACAATTTACACAGG 3'







S/N G:90 A:60 T:73 C:70  
KB.bcp  
KB 1.4.1.8 Cap:17

