

RIKEN Clone ID : H3079G06

Lot# : 5723_B3Ku

Vector : pSPORT1

Gene	Irf3	
5' EST Sequence	H3079G06-5	443 bp
3' EST Sequence	H3079G06-3	640 bp

● **Plasmid DNA purification**

Date : 2023/11/30

Culture : LB (100 ug/ml Ampicillin) 5 mL -> 37°C O/N

Date : 2023/12/01

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● **Digestion by restriction enzyme/Concentration calibration**

Date : 2023/12/01

DNA concentration (O.D.): 192 ng/ul

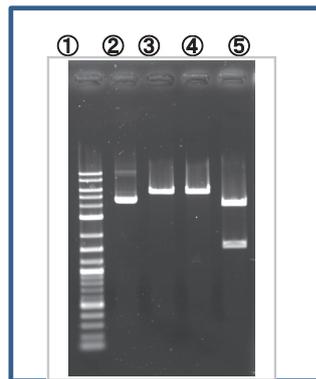
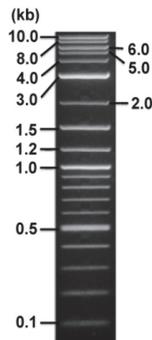
< Size of fragment expected from this clone >

DNA	<u>0.5</u> ul
Enzyme (SalI + NotI)	<u>0.5 + 0.5</u> ul
Buffer H	<u>1</u> ul
dH ₂ O	<u>7.5</u> ul
Total	<u>10</u> ul

SalI		size unidentified
NotI		size unidentified
SalI + NotI	<u>4.0 kb</u>	size unidentified

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



- ①:Marker
- ②:uncut
- ③:SalI
- ④:NotI
- ⑤:SalI + NotI

● **Adjust plasmid DNA solution to 25 ng/ul**

Date : 2023/12/12

DNA (<u>192</u> ng/ul)	<u>86</u> ul
10x TE	<u>66</u> ul
dH ₂ O	<u>508</u> ul
Total	<u>660</u> ul

● **Shipping**

Conc. : 25 ng/μl, Volume : 40 μl

Conc. : ng/μl, Volume : μl

APPROVED BY :



BLAST Results

[Questions/comments](#)

Blast 2 sequences

Job title: NM_016849:Mus musculus interferon regulatory...

RID [PUMC9T4W114](#) (Expires on 12-05 11:11 am)

Query ID [NM_016849.4](#)

Description Mus musculus interferon regulatory factor 3 (Irf3), transcript variant 1, mRNA

Molecule type nucleic acid

Query Length 2053

Subject ID 3 subjects

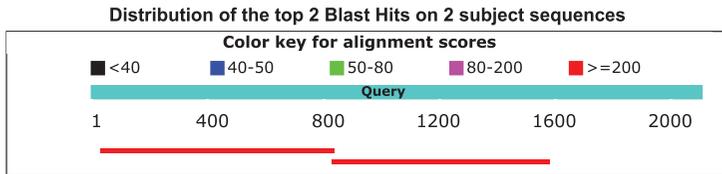
Description [See details](#)

Molecule type dna

Subject Length 1745

Program BLASTN 2.14.1+

Graphic Summary



Descriptions

Sequences producing significant alignments:

Description	Max Score	Total Score	Query Cover	E value	Per. Ident	Accession
primerA (Forward)	1467	1467	38%	0.0	99.87%	Query_97876
primerB (Reverse)	1371	1371	36%	0.0	100.00%	Query_97877

Alignments

primerA (Forward)

Sequence ID: Query_97876 Length: 891 Number of Matches: 1 Range 1: 95 to 891

Score	Expect	Identities	Gaps	Strand	Frame
1467 bits(794)	0.0()	796/797(99%)	0/797(0%)	Plus/Plus	
Features:					
Query	32	AGTTAGGCCTGCTAAGCCGAAGTGGCGTCCGGGATTTCTTGACTTTATTCGTCAATGTT			91
Sbjct	95	AGTTAGGCCTGCTAAGCCGAAGTGGCGTCCGGGATTTCTTGACTTTATTCGTCAATGTT			154
Query	92	GAGAAAACTTTTATATCTCAAATATCGTTAGAAAAAGGAAGTCCACGGCTCGGAGGC			151
Sbjct	155	GAGAAAACTTTTATATCTCAAATATCGTTAGAAAAAGGAAGTCCACGGCTCGGAGGC			214
Query	152	TTAGCTGACAAAGAAGGGGTTGCGTGGCTGCGAGTCTCAGAACTACTGTTGGGAGCC			211
Sbjct	215	TTAGCTGACAAAGAAGGGGTTGCGTGGCTGCGAGTCTCAGAACTACTGTTGGGAGCC			274
CDS:interferon regul	1				
Query	212	CAAAACCACTGCTGGCACCCGCGCGCACGGGCGCCCAATTCCTCCCTGGTAGAGCA			271
Sbjct	275	CAAAACCACTGCTGGCACCCGCGCGCACGGGCGCCCAATTCCTCCCTGGTAGAGCA			334
CDS:interferon regul	2				
Query	272	EGAAACCCCGAAACCGGGATTTGCCCTGGCTGGTGTACAGCTGGACCTGGGGCAGCT			331
Sbjct	335	EGAAACCCCGAAACCGGGATTTGCCCTGGCTGGTGTACAGCTGGACCTGGGGCAGCT			394
CDS:interferon regul	22				
Query	332	EGVAVWLDESRTRFRIPWKHGGAAAGGCGTGGCTGGACGAGCGAAGGTTACAGATCCCGTGGAAAGCATGG			391
Sbjct	395	EGVAVWLDESRTRFRIPWKHGGAAAGGCGTGGCTGGACGAGCGAAGGTTACAGATCCCGTGGAAAGCATGG			454
CDS:interferon regul	42				
Query	392	LRRQDAQMADEFQGFQAWAESA CCTACGGCAGGACGACAGATGGCTGACTTTGGCATCTCCAGGCTGGGCAGAACCCAG			451
Sbjct	455	LRRQDAQMADEFQGFQAWAESA CCTACGGCAGGACGACAGATGGCTGACTTTGGCATCTCCAGGCTGGGCAGAACCCAG			514
CDS:interferon regul	62				
Query	452	GAYTPGKDKPDPVSTWKRNFRTGGTGGCTACACCCGGGAAGGATAAGCCGGACGTTCAACCTGGAAGAGGAATTCGG			511
Sbjct	515	GAYTPGKDKPDPVSTWKRNFRTGGTGGCTACACCCGGGAAGGATAAGCCGGACGTTCAACCTGGAAGAGGAATTCGG			574
CDS:interferon regul	82				
Query	512	SALNRRKEVLRRLAADNSKDPYGTACGCCGTGAACGGAAAGAGTGTGCGGTTAGCTGCTGACAATAGCAAGGACCCCTTA			571
Sbjct	575	SALNRRKEVLRRLAADNSKDPYGTACGCCGTGAACGGAAAGAGTGTGCGGTTAGCTGCTGACAATAGCAAGGACCCCTTA			634
CDS:interferon regul	102				
Query	572	DPHKVVYEFVTPGARDFVHLGTGACCCATATAAGTGTATGAGTTGTGACTCCAGGGGGCGGGACTTCGTACATCTGGG			631
Sbjct	635	DPHKVVYEFVTPGARDFVHLGTGACCCATATAAGTGTATGAGTTGTGACTCCAGGGGGCGGGACTTCGTACATCTGGG			694
CDS:interferon regul	122				
Query	632	ASPDNTNGKSSSLPHSQENLPLK TGCCTCCTGACACCAATGGCAAAAGCAGCCTGCCTCACTCCAGGAAAACCTACCGAA			691
Sbjct	695	ASPDNTNGKSSSLPHSQENLPLK TGCCTCCTGACACCAATGGCAAAAGCAGCCTGCCTCACTCCAGGAAAACCTACCGAA			754
CDS:interferon regul	142				
Query	692	LFDFGLILGLPLKDEGSSDLAIGTATTGATGGCCTGATCTGGGGCCCTCAAAGATGAGGGTCTCAGATCTGGCTAT			751
Sbjct	755	LFDFGLILGLPLKDEGSSDLAIGTATTGATGGCCTGATCTGGGGCCCTCAAAGATGAGGGTCTCAGATCTGGCTAT			814
CDS:interferon regul	162				
Query	752	VSDPSSQQLPSPVNNFLNPA TGTTCGTGATCCTTCAACAACCTGCCAAGCCCAATGTGAACAACCTCCTAAACCCCTGC			811
Sbjct	815	VSDPSSQQLPSPVNNFLNPA TGTTCGTGATCCTTCAACAACCTGCCAAGCCCAATGTGAACAACCTCCTAAACCCCTGC			874
CDS:interferon regul	182				
Query	812	ACCCCAAGAAAATCCAC			828

Sbjct 875 ACCCCAAGAAAATCCAC 891

primerB (Reverse)

Sequence ID: Query_97877 Length: 850 Number of Matches: 1
Range 1: 109 to 850

Score	Expect	Identities	Gaps	Strand	Frame
1371 bits(742)	0.0()	742/742(100%)	0/742(0%)	Plus/Minus	
Features:					
CDS:interferon regul Query	187 829	L K Q L L A E E Q W E F E V T A F Y R G			888
Sbjct	850	TGAAGCAGCTGCTAGCTGAGGAACAATGGGAGTTCGAGGTGACCCGCTTCTACCGAGGGC			791
CDS:interferon regul Query	207 889	R Q V F Q Q T L F C P G G L R L V G S T			948
Sbjct	790	GCCAGGTCTTCCAGCAGACTCTTTGCCCGGGGGCCTGCCGGTGGTGGGAGCAGCAG			731
CDS:interferon regul Query	227 949	A D M T L P W Q P V T L P D P E G F L T			1008
Sbjct	730	CTGACATGACACTGCCCTGGCAGCCAGTCAACCTGCCCGATCCTGAGGGGTTTCTGACGG			671
CDS:interferon regul Query	247 1009	D K L V K E Y V G Q V L K G L G N G L A			1068
Sbjct	670	ACAAGCTTGTGAAGGAGTACGTGGGGCAGGTGCTCAAAGGGCTGGGCAATGGCTGGCAC			611
CDS:interferon regul Query	267 1069	L W Q A G Q C L W A Q R L G H S H A F W			1128
Sbjct	610	TGTGGCAGGCTGGGCAGTGCCTCTGGGCCAGCGCCTAGGCCACTCCCACGCCCTCTGGG			551
CDS:interferon regul Query	287 1129	A L G E E L L P D S G R G P D G E V H K			1188
Sbjct	550	CTCTGGGGAGGAGCTGCTCCAGACAGTGGGGAGGGCCTGATGGAGAGTCCACAAGG			491
CDS:interferon regul Query	307 1189	D K D G A V F D L R P F V A D L I A F M			1248
Sbjct	490	ACAAGGACGGAGCCGTGTTGACACTCAGGCCCTTCGTGGCAGATCTGATTGCCCTCATGG			431
CDS:interferon regul Query	327 1249	E G S G H S P R Y T L W F C M G E M W P			1308
Sbjct	430	AAGGAAGTGGACTCCCCACGCTACACTCTGGTTCTGCATGGGGAAATGTGGCCCC			371
CDS:interferon regul Query	347 1309	Q D Q P W V K R L V M V K V V P T C L K			1368
Sbjct	370	AGGACCAAGCCATGGGCAAGAGGCTTGTGATGGTCAAGGTTGTTCTTACATGCTTAAGG			311
CDS:interferon regul Query	367 1369	E L L E M A R E G G A S S L K T V D L H			1428
Sbjct	310	AGCTGTTAGAGATGGCCCGGAAGGGGAGCCTTCACTGAAAACCGTGGACTTGCACA			251
CDS:interferon regul Query	387 1429	I S N S Q P I S L T S D Q Y K A Y L Q D			1488
Sbjct	250	TCTCCAACAGCCAGCCTATCTCCCTACCTCTGACCAGTACAAGGCCACTCCAGGACT			191
CDS:interferon regul Query	407 1489	L V E D M D F Q A T G N I			1548
Sbjct	190	TGGTGGAGGACATGGACTTCCAGGCCACTGGAATAATCTGAGCCCCACTCAGCTGCTACC			131
Query	1549	AATAAAGCAGTTTATGCCGCCA 1570			
Sbjct	130	AATAAAGCAGTTTATGCCGCCA 109			



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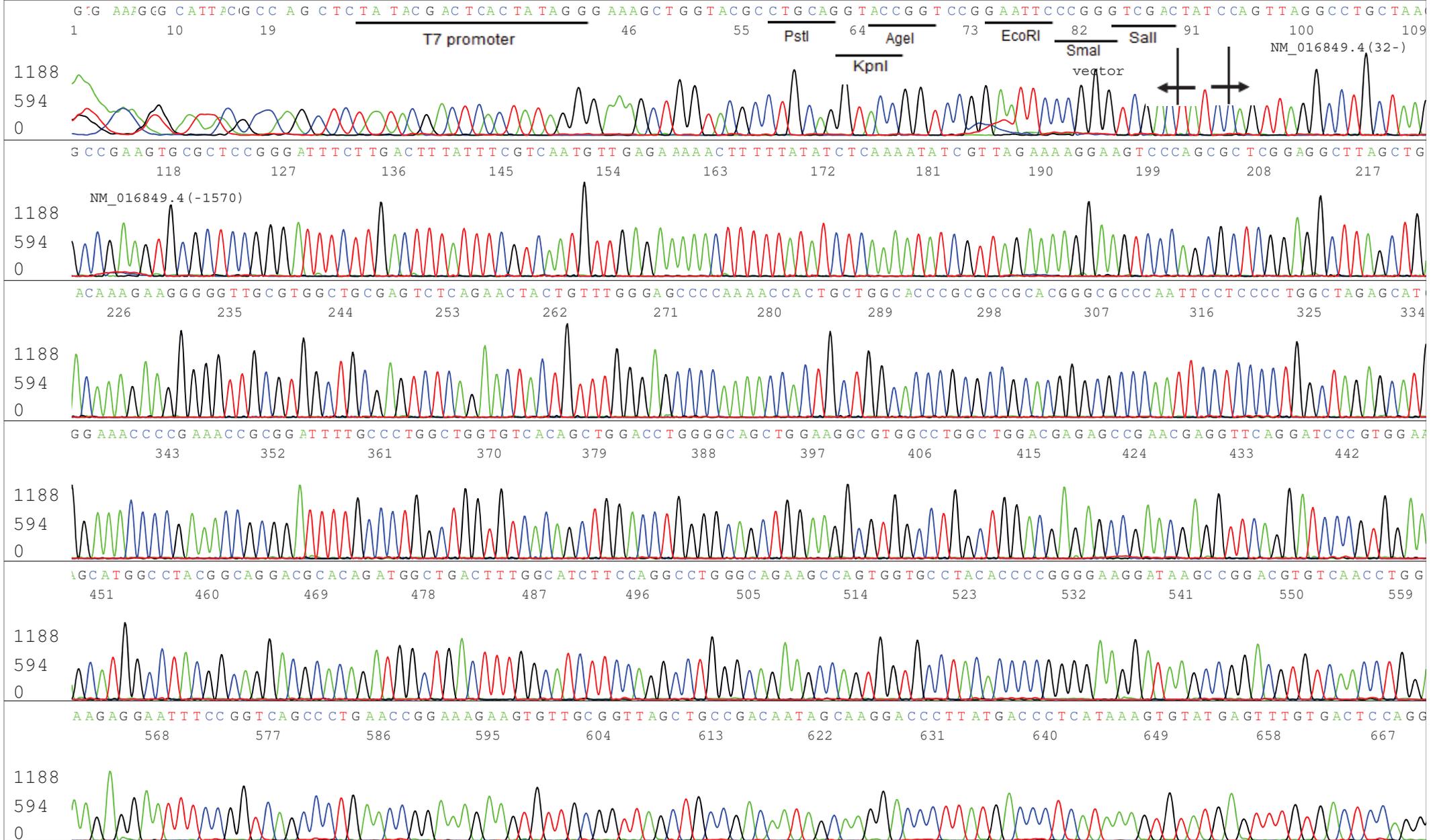
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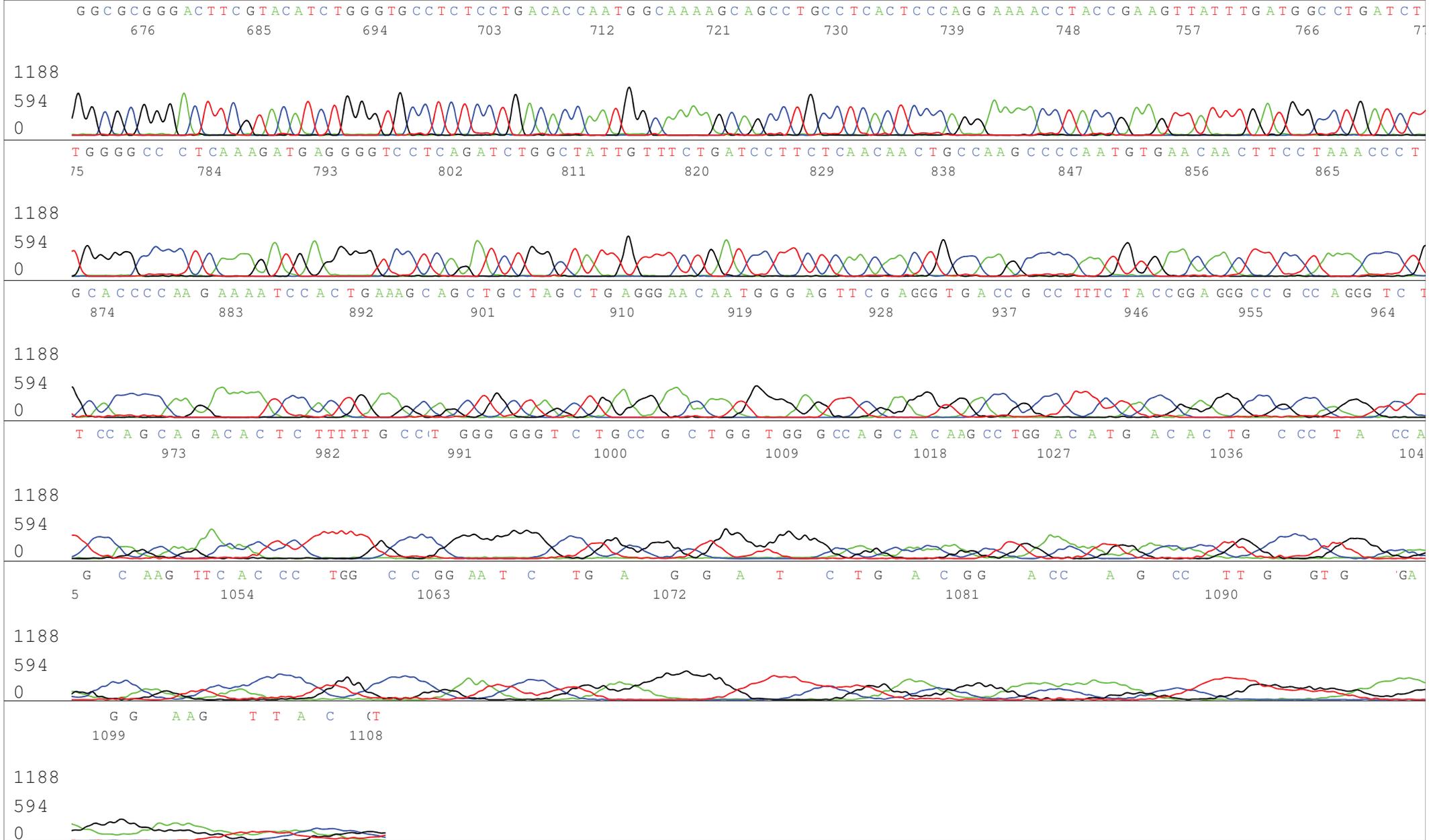
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S/N G:73 A:117 T:76 C:126
KB.bcp
KB 1.4.1.8 Cap:1

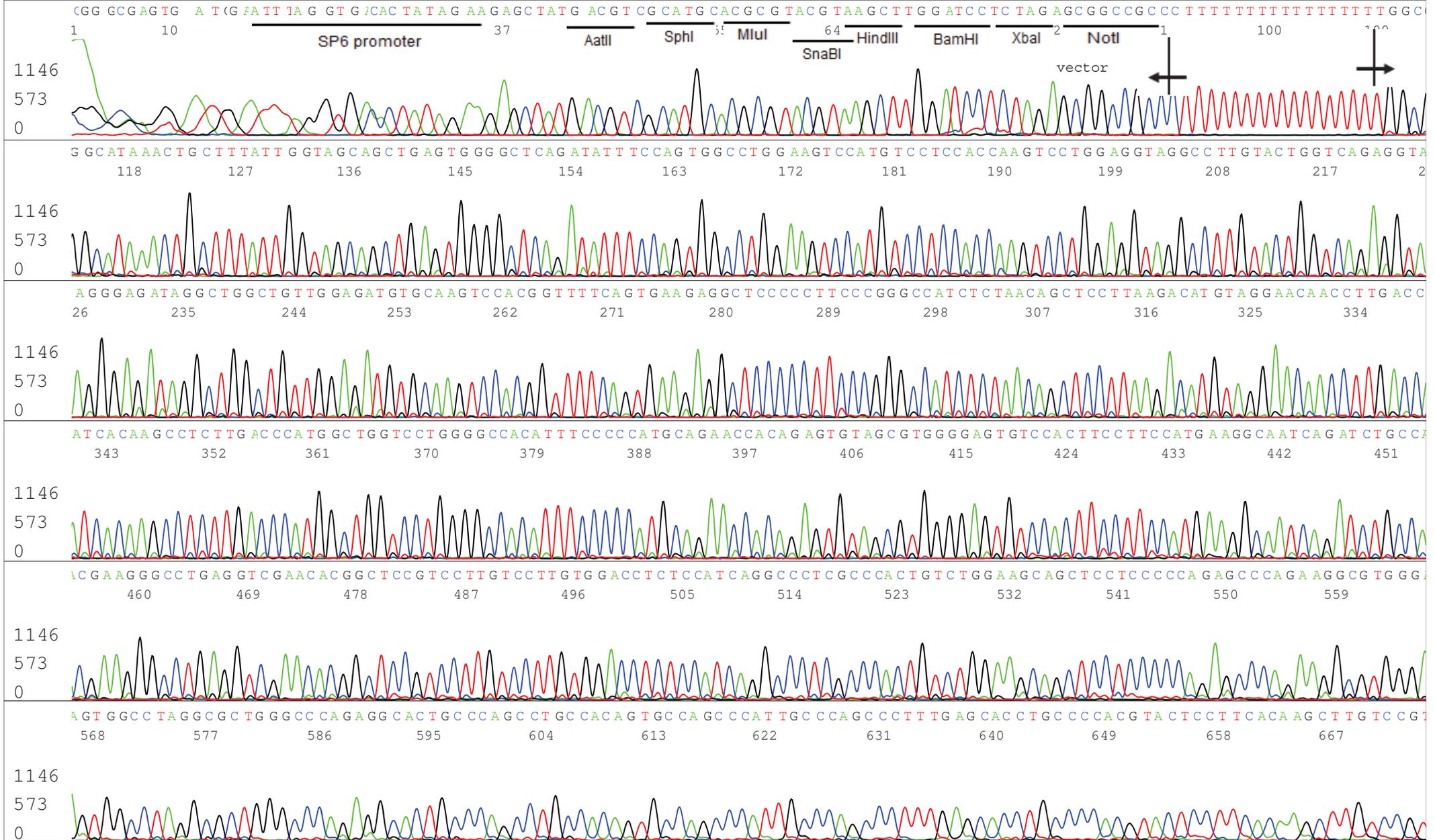


Primer B : M13

5' GTTTTCCAGTACGACGTTGTA 3'

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5723_H3079G06_B3Ku_M13(-40)
KB_3500_POP7_BDTv3.mob
Pts 1545 to 12951 Pk1 Loc:1522
Version 6.0 HiSQV Bases: 841

Inst Model/Name 3500/3500 Instrument
Dec 01,2023 03:20PM, JST
Dec 01,2023 03:51PM, JST
Spacing:11.52 Pts/Panel1350
Plate Name: 20231201_GNP



S/N G:48 A:67 T:58 C:88
KB.bcp
KB 1.4.1.8 Cap:2

