

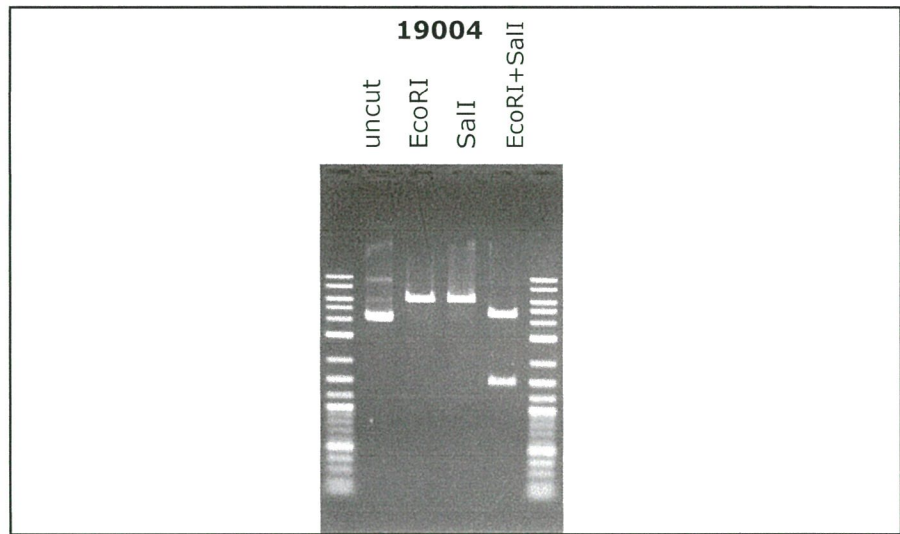
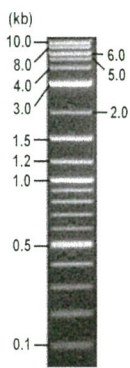


RIKEN DNA BANK

clone name : **pMXs-3xFLAG-KLF4**

- Clone ID : RDB _ 19004
- Lot : 19004 _ B1Ec
- DNA Concentration : 25 nanogram/microliter
- Volume : 40 microliter
- Form : DNA solution in TE buffer
- Host : NEB stable
- Culture : LB medium
- Antibiotics : 100 microgram/ml Ampicillin
- Purification : QIAGEN QIAprep Spin Miniprep kit
- Digestion by restriction enzyme

1 kb Plus DNA Ladder
(NEB#N3200L),
250 ng/well



Electrophoresis : 100 nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme	Expected size of fragment
EcoRI	6.1 kbp
SalI	6.1 kbp
EcoRI+SalI	4.6, 1.5 kbp
	kbp

● Confirmation of the insertion sequence

Please be sure to check our sequence analysis results before your request.

Sequence name	Primer ID	Primer name	Confirmed feature
Sequence - A	Pr0352	MMLV-pol_F	pol region,insert 5'(3xFLAG,hKLF4 5')
Sequence - B	Pr0365	pMXs-3LTRup_R2	insert 3'(hKLF4 3')
Sequence - C	Pr0745	gag-N_R	MMLV psi,5' LTR
Sequence - D	Pr0724	lacIpro-B_F	3' LTR
Sequence - E	-	-	-
Sequence - F	-	-	-
Sequence - G	-	-	-
Sequence - H	-	-	-

APPROVED BY :



S/N G:119 A:100 T:64 C:107

D07716A1_B1Ec_4_MMLV-pol_F

May 25, 2021 03:08PM, JST

KB.bcp

KB_3500_POP7_BDTV3.mob

May 25, 2021 03:35PM, JST

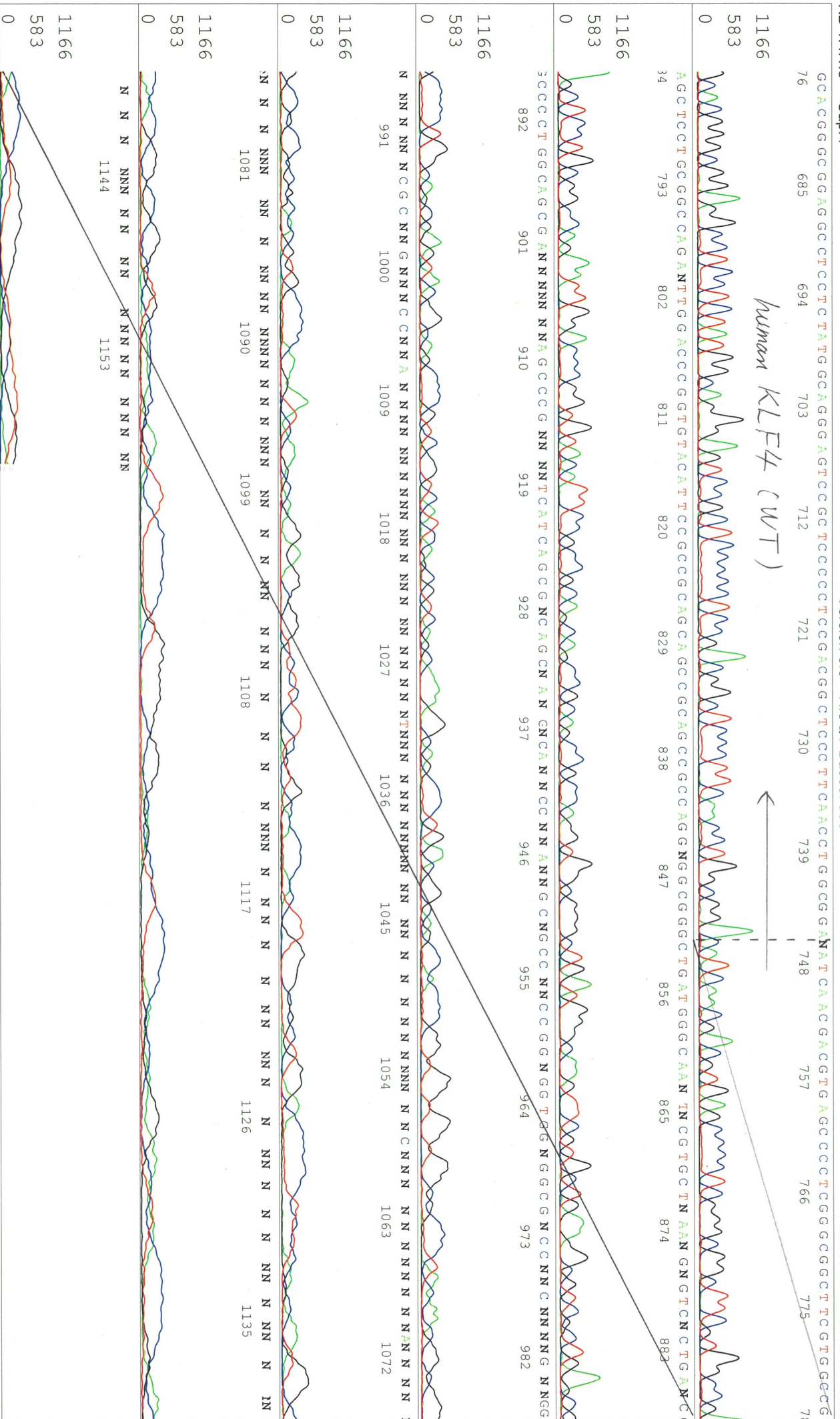
KB 1.4.1.8 Cap:4

Pts 1441 to 13486 Pk1 Loc: 1418

Spacing: 11.98 Pts/Panel1350

Version 6.0 HISQV Bases: 936

Plate Name: 20210525 kitaku

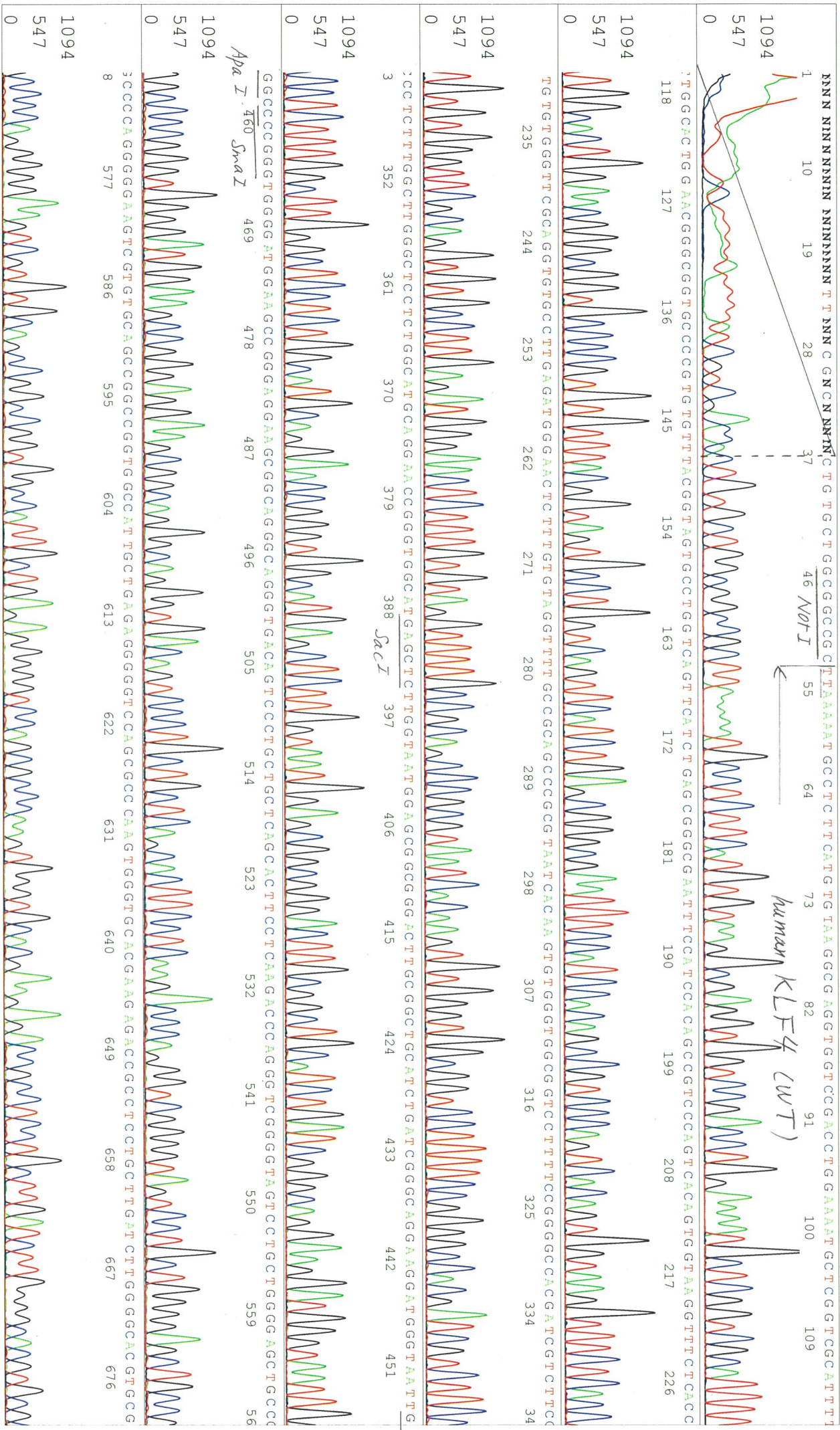


SN G:131 A:66 T:58 C:7 primer name B : pMXs-3LTRup_R2

KB.bbp

KB 1.4.1.8 Cap:1

5-TGGGGCTTTTCATTCGCCCC-3'



S/N G:131 A:66 T:58 C:75

D07716A1_B1Ec_4_pMXs-3LTRup_R2

KB_3500_POP7_BDTV3.mob

May 25, 2021 03:08PM, JST

KB.bcp

Pts 1457 to 13612 Pk1 Loc: 1434

May 25, 2021 03:35PM, JST

KB 1.4.1.8 Cap.1

Version 6.0 HISQV Bases: 938

Spacing: 12.12 Pts/Panel1350

CGGGGGCCCGCGTTGTAGGGCCCAACCAACACCGGGTGGCTGGCTCAAGGGCTGCTTGGCTGACCGTAGACCGAGCGGGCTGCCGCTCA
685 694 703 712 721 730 739 748 757 766 775 784

GCGACGCCCTTCAGCACGAACCTGCCCATCAGCCCGCCAGCCCTGGCGGCTGGCGGCTGCTGCGCGGAGNTGTACACCGGNCNATTCCTGGCCGCCAGGANCTCGGC
793 802 811 820 829 838 847 856 865 874 883 892

human KLF4 (WT)



AANNCGCCCNANGGGCTCACGTCNCTGANGTCCCGCCNGNTNANNGNCCNNNNNANAGGGGANCCNNNTCCCNGCCNTNNNNAANNNTNCGNCCGANN
901 910 919 928 937 946 955 964 973 982 991

NNNCCGNNCCNCCNCCNNGNNN
1000 1009 1018 1027 1036 1045 1054 1063 1072 1081

NN
090 1099 1108 1117 1126 1135 1144 1153

NN
1162 1171



S/N G:259 A:200 T:159 C primer name *D*: lacIpro-B_F
KB.bcp
KB 1.4:1.8 Cap:7 5'-CCGCCCTTGAGTGAAGCTGATA-3'

D07716A1_B1Ec_4_lacIpro-B_F
KB_3500_POP7_BDTV3.mob
Pis 1462 to 13692 PK1 Loc:1439
Version 6.0 HISQV Bases: 951

May 25,2021 03:08PM, JST
May 25,2021 03:35PM, JST
Spacing: 12.1 Pis/Panel1350
Plate Name: 20210525 kitaku

1188 594 0
NNNNNNNN NNN NNN N IN NGNNN CG NN TNN GT G AGCG AGG AAGCG GAGG GAGCC GAGG GAN CGCCCAATACG CAAACCG CCTCT CCCCCG CGCG TTGGCCG ATTCA TTAAT GCAAC TATG GCGCA T

1188 594 0
TTAATG TAAATAC TTAAG AAAAAAAAAAACC AATTAATTTTGATACATG CTGCA TGTGA AAGA CCCCCTGACGGGTAGTCAATCACTCA GAGGAGACC TCCCAAG AACAGC

1188 594 0
GAGACCACAAGTCCGGATGCAACTGCAAGAGGTTTAT TGATACACGCGGTACC CCGGCACTCAAGTCAATCGGAGACTGGCCGCCCGAGT GAGGGTTGTGGCTCTTTTAT

1188 594 0
GAGCTCGGGAGCAGAAAGCCGCGGAAACAGAAAGCCGAAAGCAGCACTGATTTAGTTC AATAAAGGCACAGGGTTCATTTCAAGTCTGGGCA CCGCTGAAACATCTGATGG

1188 594 0
TTCTCTAGAAACTGCTGAGGGCTGGACCGCATCTGGGACCACTCTGTTCTTGGCCCTGAGCCGGGCA GGAAC TGC TTACCAAGATATCTGTTTGGCCCA TATTCAGCTGT

1188 594 0
TCCATCTGTTCTTG GCCCTGAAGCCGGGGCAGGAACTGCTTACCA CAGATATCTGTTGGCCCA TATTCAGCTGT TCCATCTGTTCCCTGACCTTGATCTGAAC TTTCTCTAT

1188 594 0
TTCTCTAGAAACTGCTGAGGGCTGGACCGCATCTGGGACCACTCTGTTCTTGGCCCTGAGCCGGGCA GGAAC TGC TTACCAAGATATCTGTTTGGCCCA TATTCAGCTGT

1188 594 0
TCCATCTGTTCTTG GCCCTGAAGCCGGGGCAGGAACTGCTTACCA CAGATATCTGTTGGCCCA TATTCAGCTGT TCCATCTGTTCCCTGACCTTGATCTGAAC TTTCTCTAT

1188 594 0
TTCTCTAGAAACTGCTGAGGGCTGGACCGCATCTGGGACCACTCTGTTCTTGGCCCTGAGCCGGGCA GGAAC TGC TTACCAAGATATCTGTTTGGCCCA TATTCAGCTGT

3'LTR

S/N G:259 A:200 T:159 C:200

D07716A1_B1Ec_4_lacIpro-B_F
KB_3500_POP7_BDTV3.mob

May 25, 2021 03:08PM, JST
May 25, 2021 03:35PM, JST

KB.bcp

Pts 1462 to 13692 PK1 Loc:1439

Spacing: 12.1 Pts/Panel1350

KB 1.4.1.8 Cap:7

Version 6.0 HISQV Bases: 951

Plate Name: 20210525 Kitaku

TCTCAGTTTATGTTATTTTCCCATGGCCCTTGCCAAAATGGCCGTACTTAAGCTAGCCTTGCCCAAACCTTACCAAGTGGGGTCTTTCATTCGCCCTTTCTTGGAGACTAAATAAAA
685 694 703 712 721 730 739 748 757 766 775 784

ICTTTTATTTTATCGTCGACCACTGTGCTGGCCGGCCGCTNNNNNTGGCCTCTTCATGTGTAANGCGAAGTGGTCCGACCCTNGAAAANGCTCGGTGGCATTTTGGCA
793 802 811 820 829 838 847 856 865 874 883 892

CTGGAACGGGCGGNGCGGNGCCCNNGTGTANNGNANTGNCTGGNCACTTCATCTGANCGGNNGANNTTCCNTCCNNAGCCNNCCNNNNNCCAGNGGTNNNNNTN
901 910 919 928 937 946 955 964 973 982 991

CNCNNNTGNGTGGNNCCNN
1000 1009 1018 1027 1036 1045 1054 1063 1072

NN
1081 1090 1099 1108 1117 1126

NNNNGNNN
.35 1144 1153

