

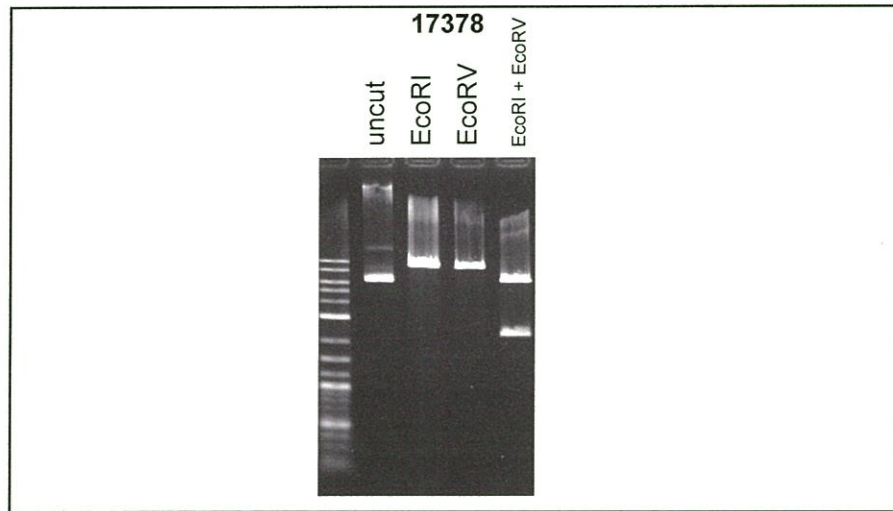
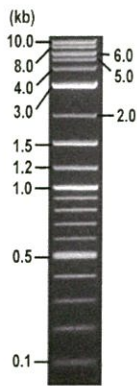


RIKEN DNA BANK

clone name : **DNMT3Bpx330**

- **Clone ID** : RDB_17378
- **Lot** : 17378_A9Fh
- **DNA Concentration** : 25 nanogram/microliter
- **Volume** : 40 microliter
- **Form** : DNA solution in TE buffer
- **Host** : DH5 alpha
- **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 |
|----------------------|---------------------------|
| <u>EcoRI</u> | <u>8.5</u> kbp |
| <u>EcoRV</u> | <u>8.5</u> kbp |
| <u>EcoRI + EcoRV</u> | <u>6.2, 2.3</u> 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 | Pr0108 | SV40pA3'element reverse | U6 pro, gRNA (DNMT3B) gRNA scaffold, CBh pro 5' |
| Sequence - B | Pr0650 | Cas9-N_R1 | Cas9 5', SV40 NLS, 3xFLAG, CBh pro 3' |
| Sequence - C | Pr0606 | BGH_rev2 | bGH p(A), nucleoplasmin NLS, Cas9 3' |
| Sequence - D | - | - | - |
| Sequence - E | - | - | - |
| Sequence - F | - | - | - |
| Sequence - G | - | - | - |
| Sequence - H | - | - | - |

APPROVED BY :



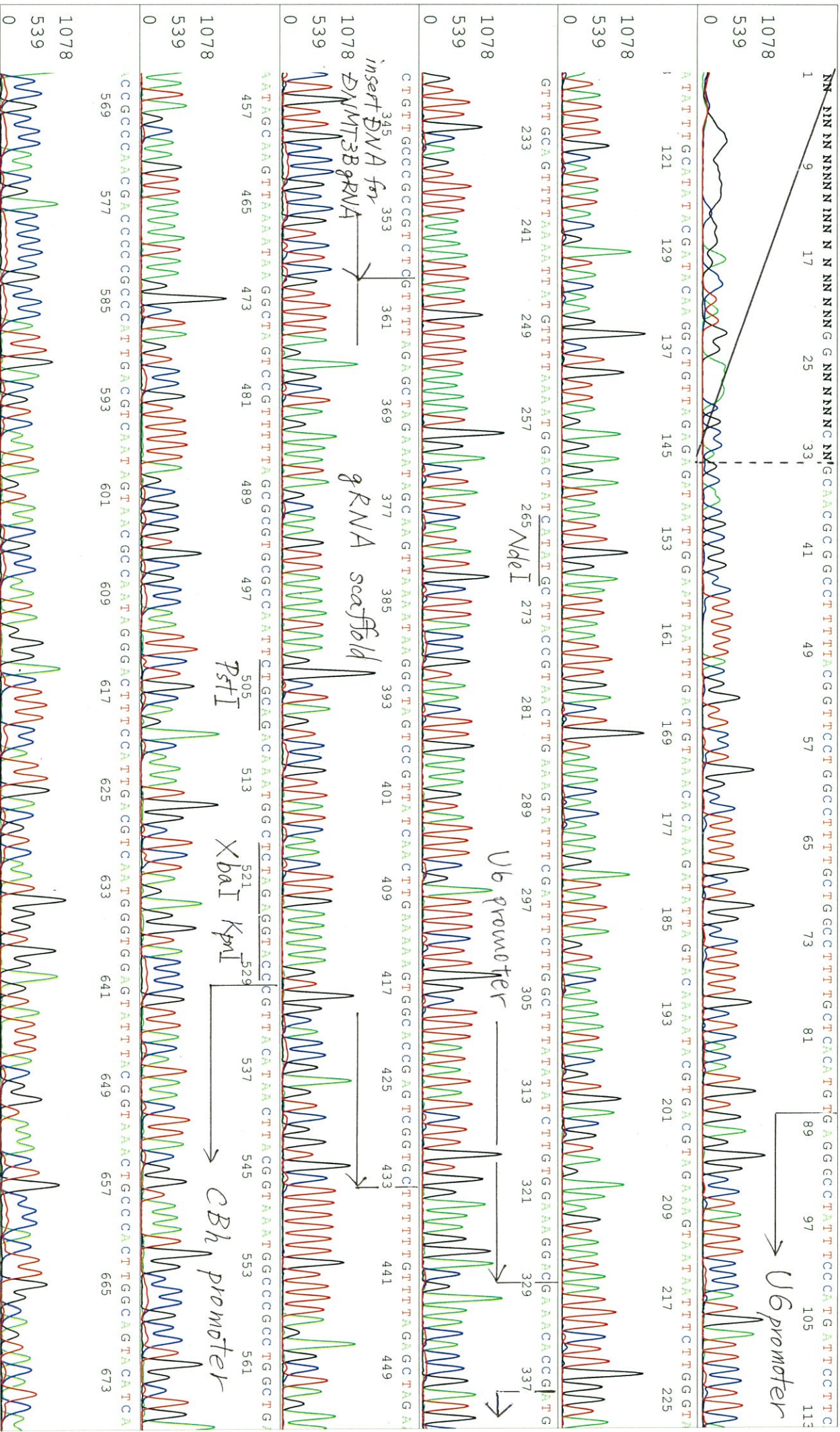
SN G:107 A:101 primer name A :SV40pA3'Element Reverse
KB bcp
KB 1.4.1.8 Ca 5-CTCTGACTTGAGCGTCGATTT -3'

D06399A5_A9Fh_2_SV40pA3'element reverse
KB_3500_POP7_BDTV3.mob

Jul 05.2019 03:19PM, JST

Pts 1507 to 13629 Pk1 Loc:1484
Version 6.0 HiSQV Bases: 904

Jul 05.2019 03:47PM, JST
Spacing:12.52 Pts/Panel1350
Plate Name: 20190705_kitaku



S/N G:107 A:101 T:99 C:77

D06399A5_A9Fh_2_SV40pA3element reverse

Jul 05,2019 03:19PM, JST

KB.bcp

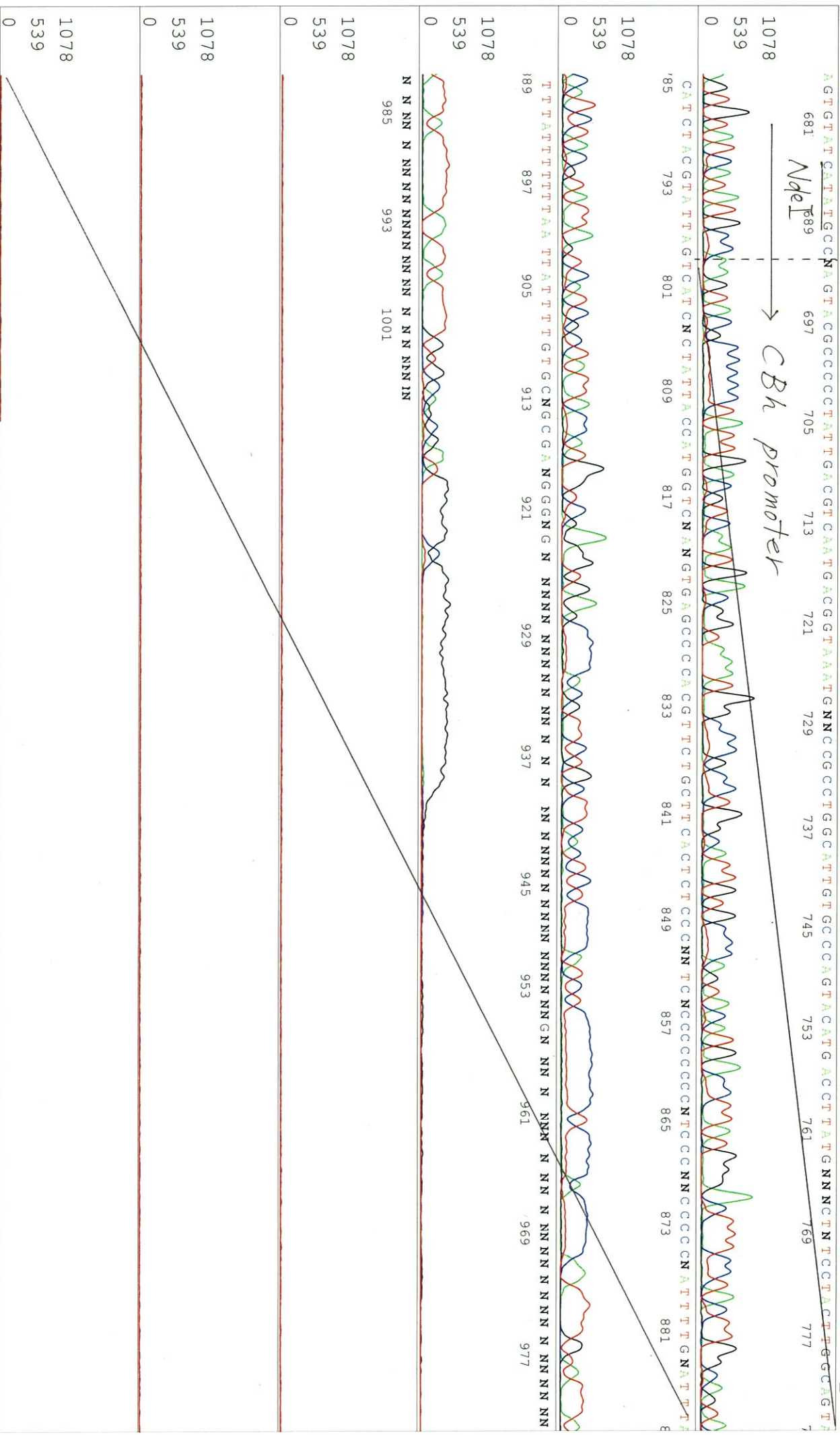
KB_3500_POP7_BDTV3.mob

Jul 05,2019 03:47PM, JST

KB 1.4.1.8 Cap:8

Pts 1507 to 13629 PK1 Loc:1484
Version 6.0 HISQV Bases: 904

Spacing:12.52 Pts/Panel1350
Plate Name: 20190705_kitaku



S/N G:144 A:90 T:88 C:116 primer name B : Cas9-N_R1

D06399A5_A9Fh_2_Cas9-N_R1
KB_3500_POP7_BDTV3.mob
Pis 1391 to 13085 PK1 Loc:1368

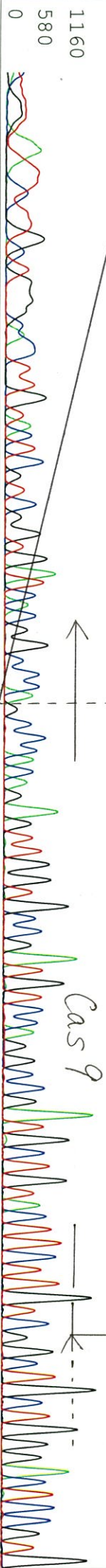
Oct 09,2019 02:02PM, JST
Oct 09,2019 02:28PM, JST
Spacing:11.94 Pts/Panel1350

KB.bcp
KB 1.4.1.8 Cap2
5- TGATGCTGTGCCGGTGGTG-3'

Version 6.0 HISQV Bases: 388

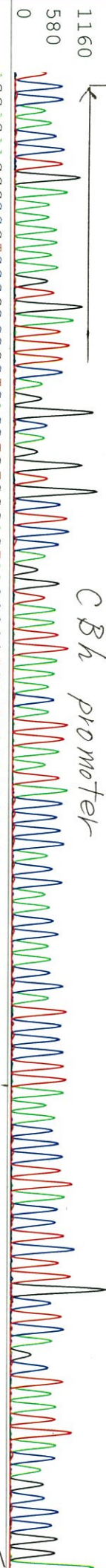
Plate Name: 20191009_kitaku

1 4 7 10 13 16 19 22 25 28 31 34 37 40 43 46 49 52 55 58 61 64 67 70 73 76 79 82 85 88 91 94 97 100 103 106 109 112 115

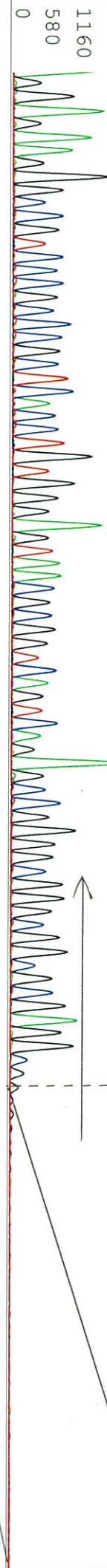


GATTCGACCTTCCGGCTTCTTCTTGGGGCCATCTTATCGTCATCGCTTGTGTAATCAATATCATGATCCTTGTAGTCTCCGTCGTTGCTCCTTATAGTGATGGTGCACCGG
15 118 121 124 127 130 133 136 139 142 145 148 151 154 157 160 163 166 169 172 175 178 181 184 187 190 193 196 199 202 205 208 211 214 217 220 223 226

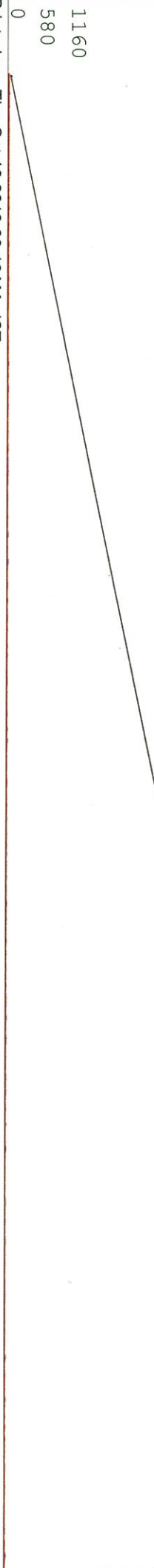
SV40 NLS
3 x FLAG
MeqI



TCCAACTGAAAGAAAGTGAATTCAGGCGGTCCTCCAGGTAATTAAACATTAATACCCCAACCAACCAATCCCTTAAACCTTACCTCTTGCTCAGCTAATTACAGCCCGG
229 232 235 238 241 244 247 250 253 256 259 262 265 268 271 274 277 280 283 286 289 292 295 298 301 304 307 310 313 316 319 322 325 328 331 334 337 340



AGGAGAAAGGCCGTCCTCCCGCCGCTCACCTGTGGAGTAAACCGGTCAGTCAAGAGCCGGGCGGGCGGAGGCN
343 346 349 352 355 358 361 364 367 370 373 376 379 382 385 388 391 394 397 400 403 406 409 412 415



S/N G:86 A:62 T:84 C:11: primer name C : BGH_rev2

D06399A5_A9Fh_2_BGH_rev2
KB_3500_POP7_BDTV3.mob
Pis 1342 to 13007 Pk1 Loc:1319

Jul 04, 2019 02:08PM, JST
Jul 04, 2019 02:34PM, JST
Spacing: 11.58 Pts/Panel1350
Plate Name: 20190704_kitaku

KB bcp
KB 1.4.1.8 Cap:20
5-TATTAGGAAGGACAGTGGG-3'

Version 6.0 HISQV Bases: 990

Inst Model/Name 3500/3500 Instrument

