

RIKEN Clone ID : RBdS051K17

Vector : pGCAP10

| | | |
|-------------|-------------|---------|
| Gene | GNRHR2 | |
| RefSeq_mRNA | NR_002328.4 | 1626 bp |

● Plasmid DNA purification

Date : 2021.11.17

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

Date : 2021.11.18

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 2021.11.18

DNA concentration (O.D.): 203 ng/ul

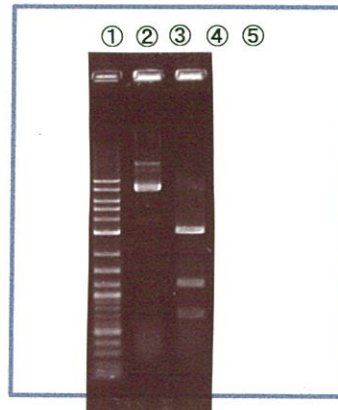
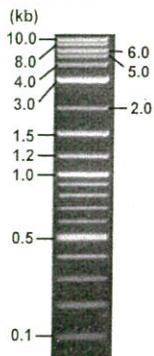
< Size of fragment expected from this clone >

| | | |
|-------------------|-----|----|
| DNA | 0.5 | ul |
| Enzyme (BamHI) | 1 | ul |
| Buffer H | 1 | ul |
| dH ₂ O | 7.5 | ul |
| Total | 10 | ul |

BamHI 3.1kb (vector), 1.0, 0.7, 0.3 kb (unsure)

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



①:Marker
②:uncut
③:BamHI

● Confirmation of the insertion sequence

Date : 2021.12.15

| | |
|----------------------------|---|
| Primer A | pGCAP-F |
| Primer B | pGCAP-R |
| Primer C | Poly(A) region |
| List of Sequencing Primers | http://dna.brc.riken.jp/en/NRCDhum2en.html |

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2021.12.21

| | | |
|-------------------|-------|----|
| DNA (203 ng/ul) | 74.0 | ul |
| 10x TE | 60.0 | ul |
| dH ₂ O | 466.8 | ul |
| Total | 600.8 | ul |

● Shipping



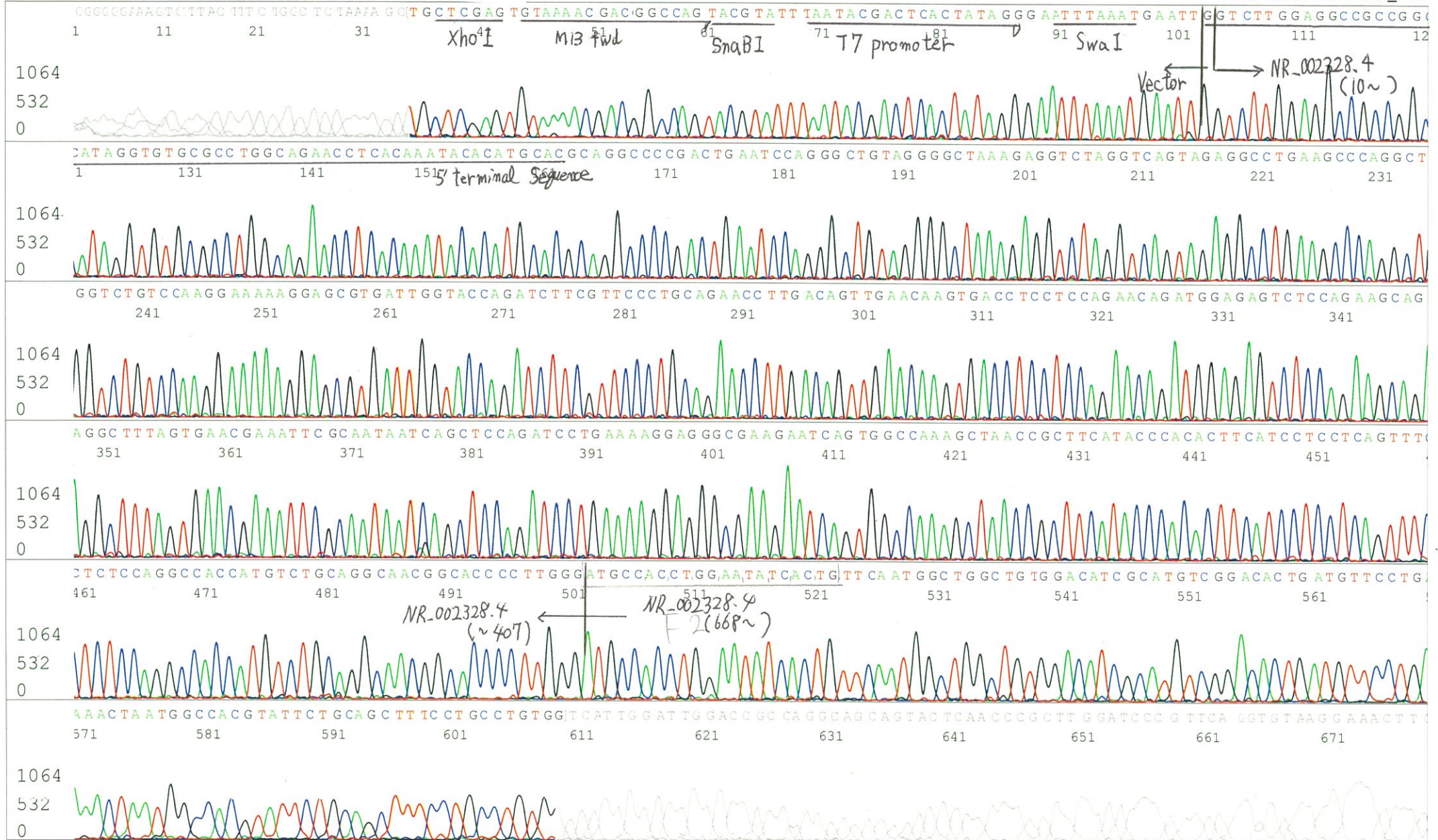
Conc. : 25 ng/μl, Volume : 40 μl



~~Conc. : ng/μl, Volume : μl~~



APPROVED BY :



S/N G:11 A:14 T:19 C:11

Primer B : pGCAP-R

6608_RBdS051K17_B1Kg_5_pGCAP_R

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Nov 24,2021 10:18AM, JST

KB.bcp

Pts 1675 to 8663 Pk1 Loc:1643

Nov 24,2021 10:33AM, JST

KB 1.4.1.8 Cap:5

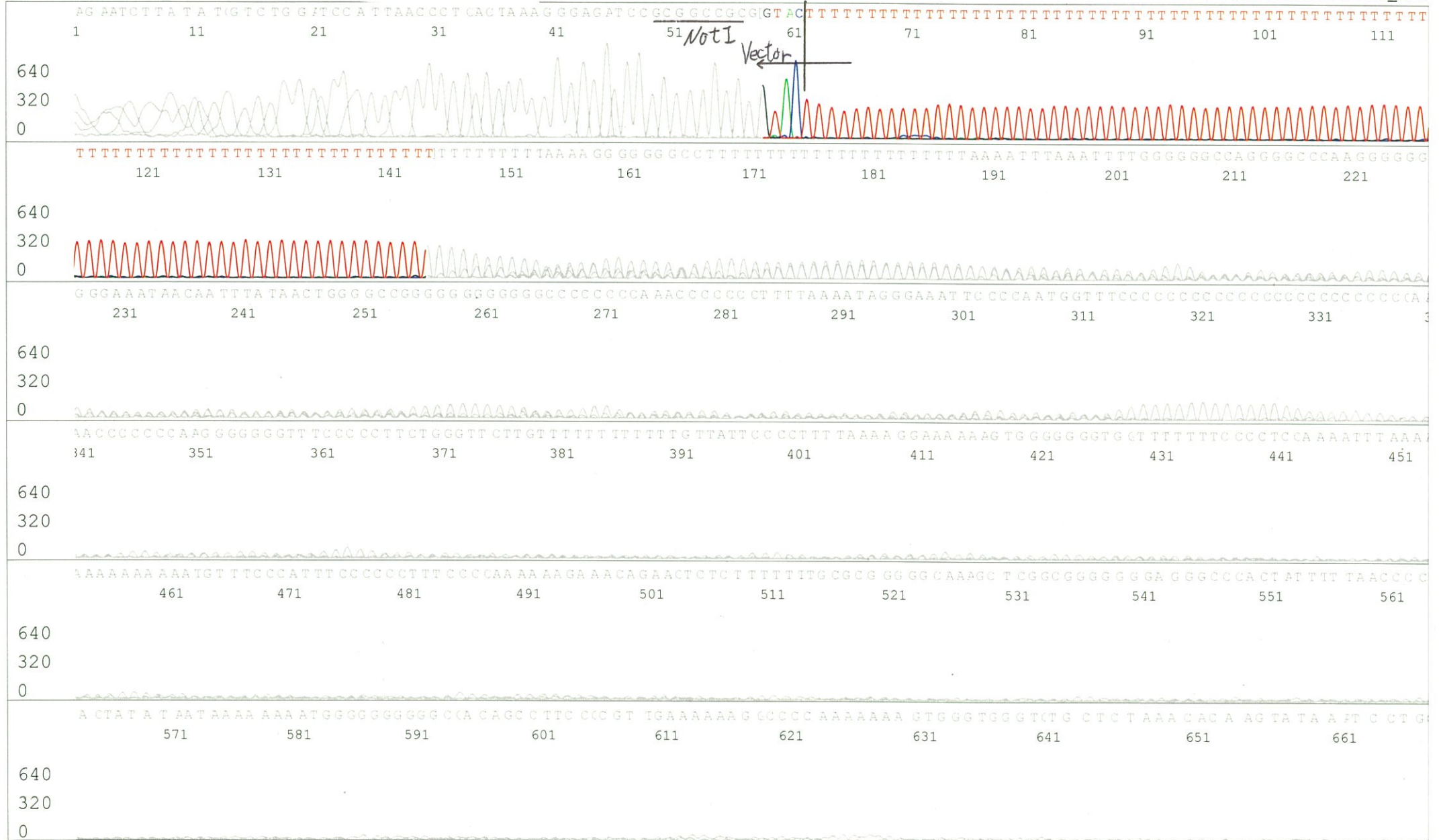
5' GCATTCTAGTTGTGGTTTGTCC 3'

Version 6.0 HiSQV Bases: 150

(QV) < 40.

Spacing:10.74 Pts/Panel1350

Plate Name: 20211124_GNP



S/N G:357 A:334 T:191 C:163

Primer C : Poly(A) region primer #0

6608_RBdS051K17_B1Kg_5_GNPmixture

Nov 26,2021 02:11PM, JST

KB.bcp

KB_3500_POP7_BDTV3.mob

Gray line indicates quality value

Nov 26,2021 02:34PM, JST

KB 1.4.1.8 Cap:7

5' TTTTTTTTTTTTTTTTTTTTTTNN 3'

Pts 1832 to 8706 Pk1 Loc:1800

(QV) < 40.

Spacing:10.52 Pts/Panel1350

Plate Name: 20211126_mix

