



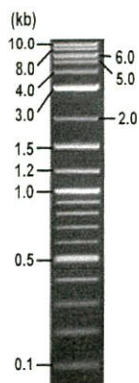
**RIKEN DNA BANK**

clone name : pDUAL-GFH1c

- Clone ID : RDB \_ 06145
- Lot : 12163 \_ A3H8
- DNA Concentration : 25 nanogram/microliter
- Volume : 40 microliter
- Form : DNA solution in TE buffer
- Host : Survival2
- Culture : LB medium
- Antibiotics : 100 microgram/ml Amp; 33 microgram/ml Cm
- Purification : QIAGEN QIAprep Spin Miniprep kit

● Digestion by restriction enzyme

2-Log DNA Ladder  
(NEB#N3200L),  
125 ng/well



Electrophoresis : 47 nanogram DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme	Expected size of fragment
<u>XhoI</u>	<u>11.6</u> kbp
<u>SalI</u>	<u>10.0, 1.6</u> kbp
<u>BglII</u>	<u>10.0, 1.6</u> kbp
	kbp
	kbp

● Confirmation of the insertion sequence

Sequence name	Primer name
Sequence - A	nmt1Fw
Sequence - B	ADH_rev
Sequence - C	-
Sequence - D	-



APPROVED BY :

SN G:228 A:229 T:207 C:134

primer name A : nmt1Fw

5'-GCTGTAATAACACACGAGAC-3'

KB.bcp

KB 1.4.1.8 Cap:3

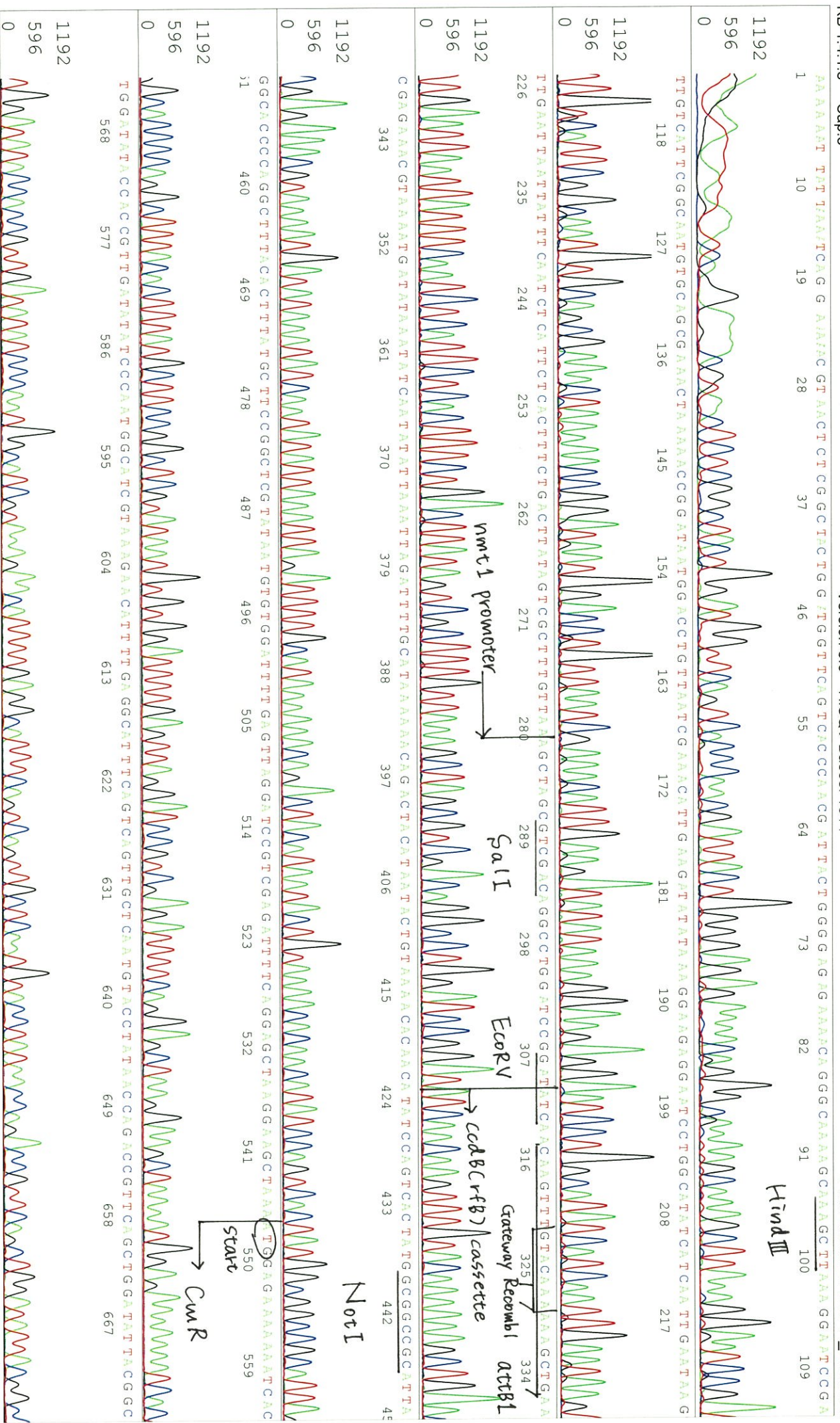
06145\_12163\_A3H8\_nmt1Fw\_A03\_03

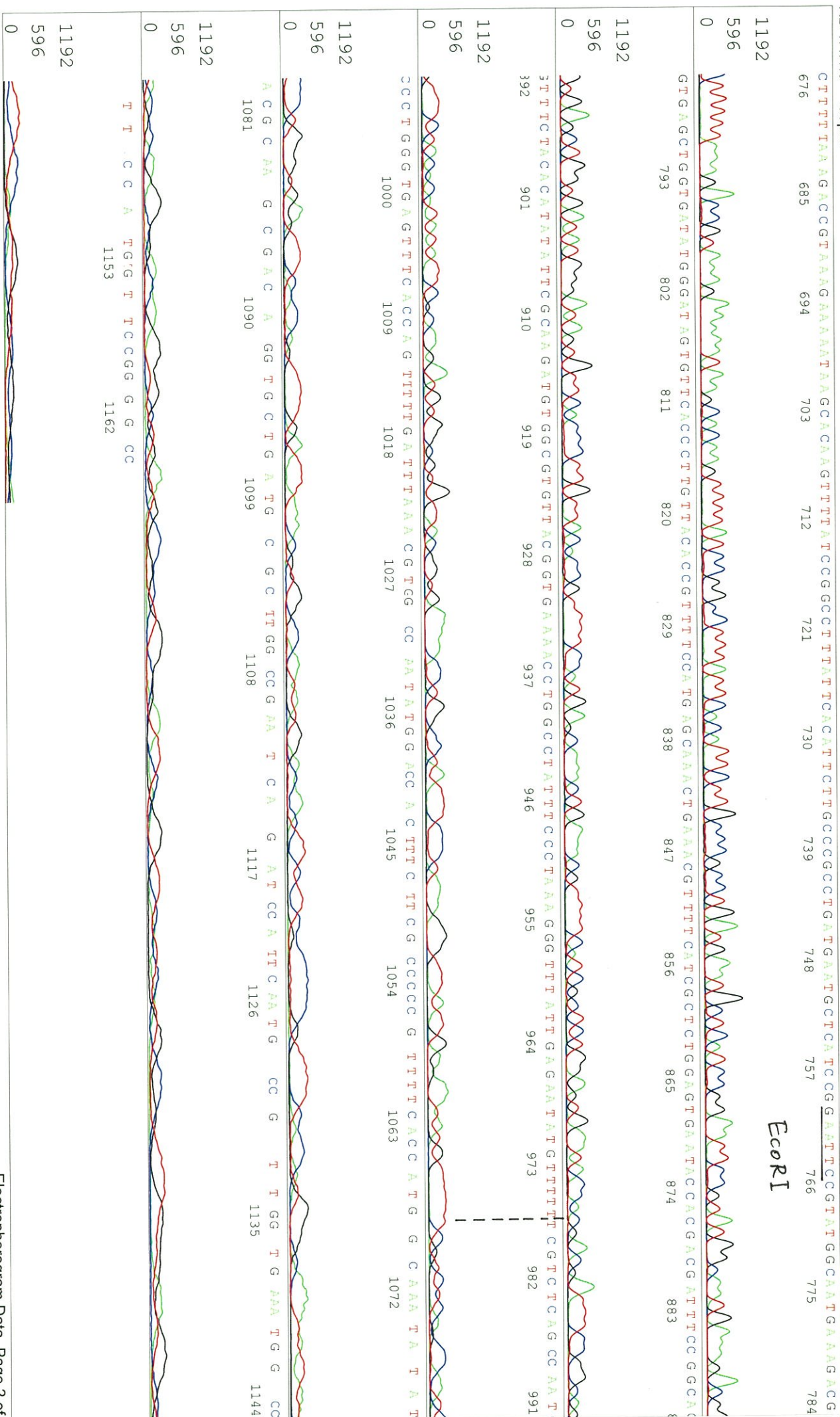
Aug 14, 2013 11:39AM, JST

Aug 14, 2013 12:06PM, JST

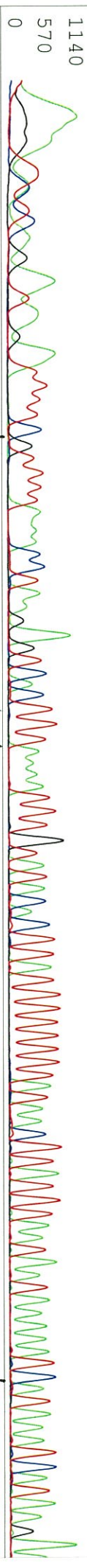
Spacing: 12.0 Pts/Panel1350

Printed on: Tue Apr 21, 2015 09:34AM, JST





1	TTAGGC	10	TCAAG	19	ATFAG	28	GTTT	37	AACCT	46	AGAGT	55	TAAT	64	CACT	73	TTT	82	TTT	91	TAAT	100	CAATA	109	CAATA
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0	A	118	T	127	A	136	G	145	A	154	T	163	T	172	G	181	T	190	T	199	T	208	G	217	T
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0	C	235	G	244	C	253	G	262	A	271	A	280	T	289	T	298	T	307	G	316	T	325	G	334	T
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0	T	343	A	352	G	361	C	370	G	379	T	388	T	397	G	406	T	415	G	424	T	433	T	442	T
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0	T	460	T	469	G	478	A	487	T	496	G	505	T	514	T	523	T	532	T	541	T	550	T	559	T
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0	A	568	A	577	G	586	T	595	C	604	G	613	T	622	C	631	A	640	T	649	T	658	G	667	T
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0	A	686	A	695	G	704	T	713	C	722	T	731	A	740	T	749	T	758	T	767	T	776	G	785	T
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0	A	823	A	832	G	841	T	850	C	859	T	868	T	877	T	886	T	895	T	904	T	913	T	922	T
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0	A	960	A	969	G	978	T	987	T	996	T	1005	T	1014	T	1023	T	1032	T	1041	T	1050	T	1059	T
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0	A	1100	A	1109	G	1118	T	1127	C	1136	T	1145	T	1154	T	1163	T	1172	T	1181	T	1190	T	1199	T
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16 AAAAGTCATGCTGTTTCCATGTGATCTGGGGTATCTTGA AAAAGCCATTGAAACA CCA TAA CAG AAAAGTAA GTGA CCA AGTGTGGCCACGG AACAGGTAGTTTCCAGTAGTG  
 685 694 703 712 721 730 739 748 757 766 775  
 S65C

1140  
 570  
 0 CAAATAAATTTAAAGGTAAAGTTTCCGTTATGTTGCATCA CCTTCA CCGCTCCCACTGACAGAAAATTGTGTC CCA TTAACATCA CCA TCTAATTCAA CAA GA  
 784 793 802 811 820 829 838 847 856 865 874 883

1140  
 570  
 0 ATTGGGACAACTCCAGTGA AAAAGTTCTCTCC TTTACTCA TGA TATCAATCA CCA CTTTGTACAA GAAAGCC TGGAA C GAGAAA C GTAAAA TGATATAA  
 892 901 910 919 928 937 946 955 964 973  
 Start  
 EcoRI  
 Gateway  
 Recomb2  
 attB  
 B2  
 GFR(S65C) ←

1140  
 570  
 0 AATATCA TATATTAAA TTAGATTTTGCATAAAAA CAGACTACATA TACTTGTAA AACAGAA CATAATCCAG TCACTAA TGG  
 82 88 991 1000 1009 1018 1027 1036 1045 1054

1140  
 570  
 0 TTCGAC TTGCCAG ACC TGG CCTGTG TATGAC CAGACTCAGTGTGG ACCAG TTTATA TTCC CAG AA AC  
 1063 1072 1081 1090 1099 1108 1117

1140  
 570  
 0 A T T C A G G  
 1126