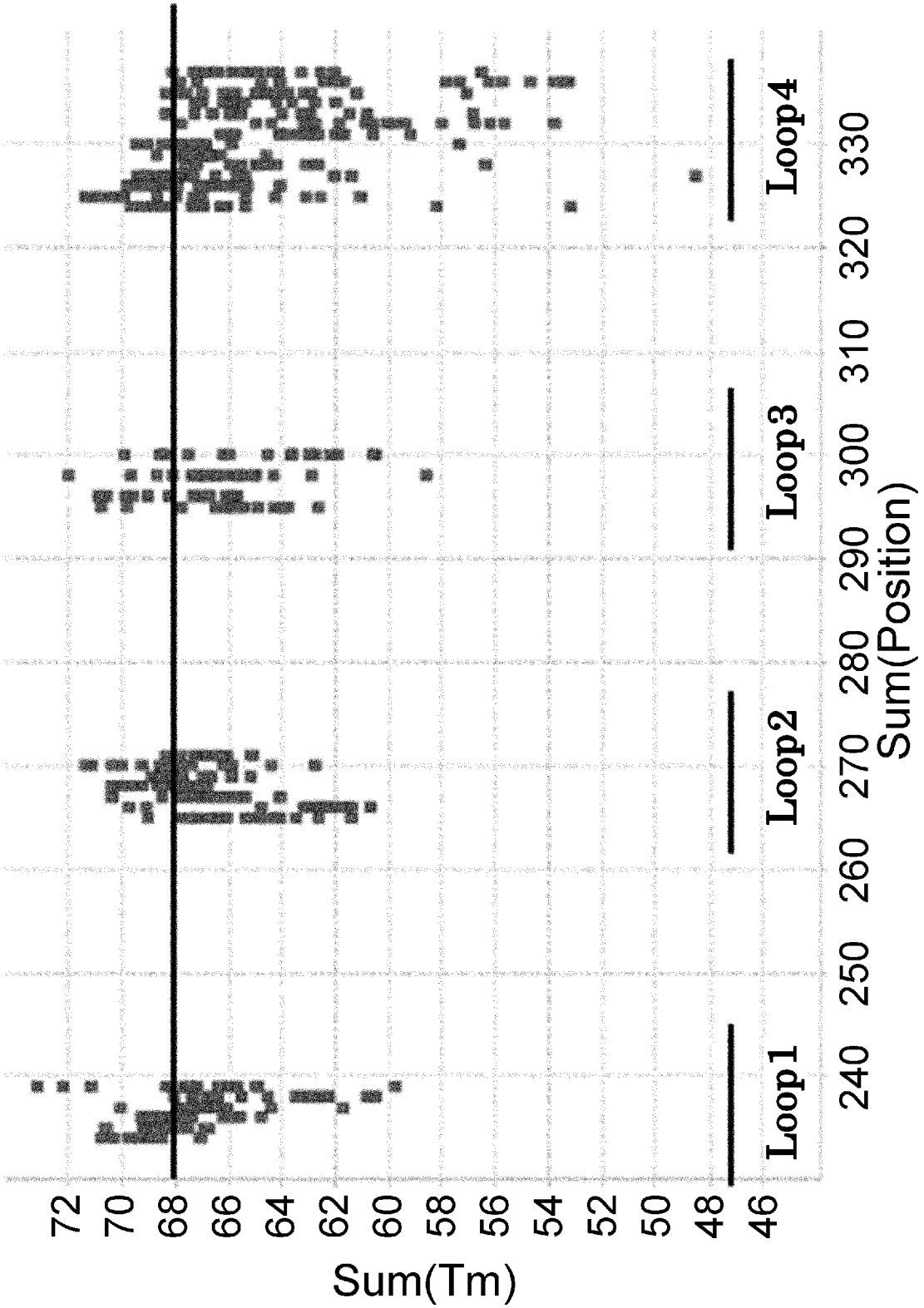
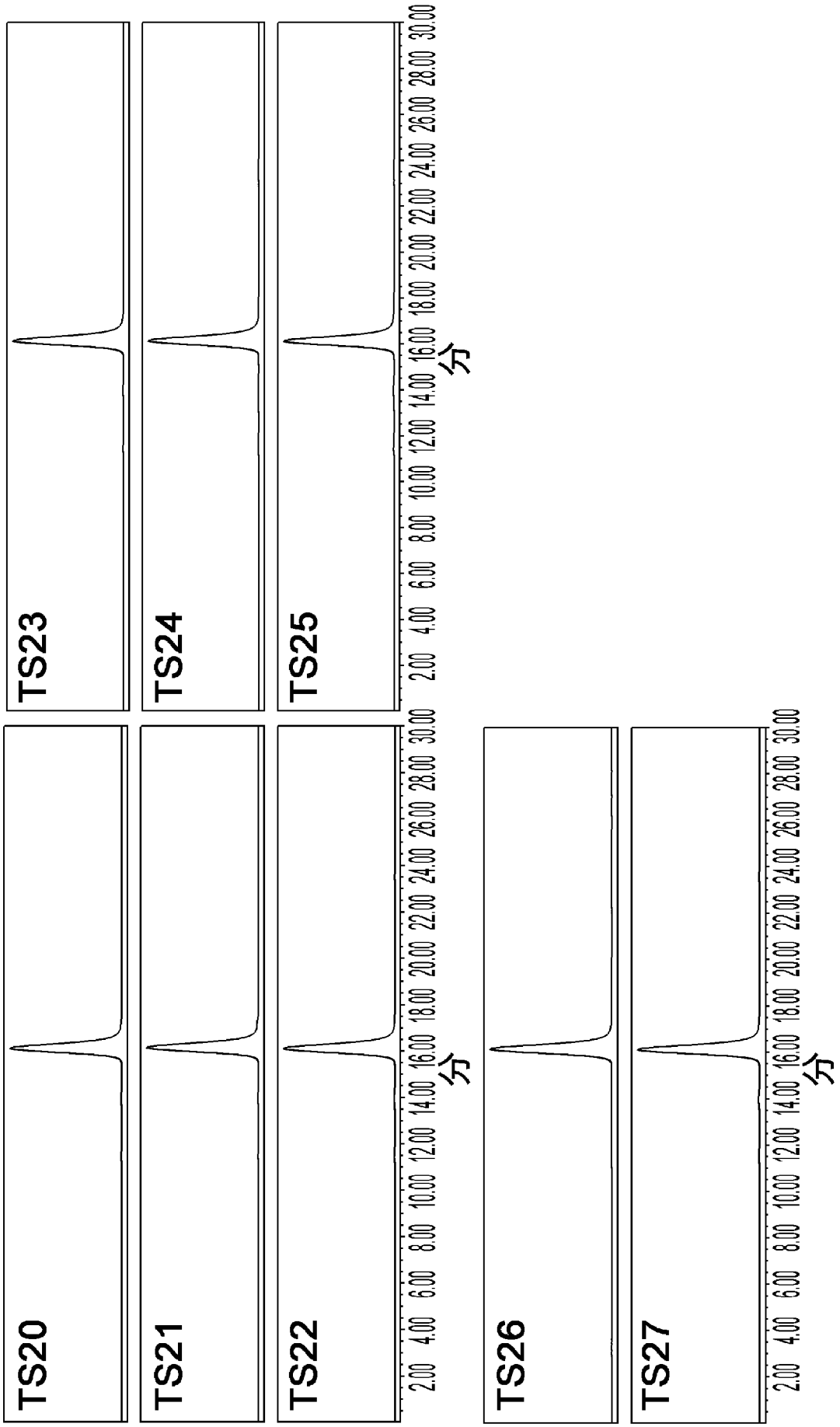
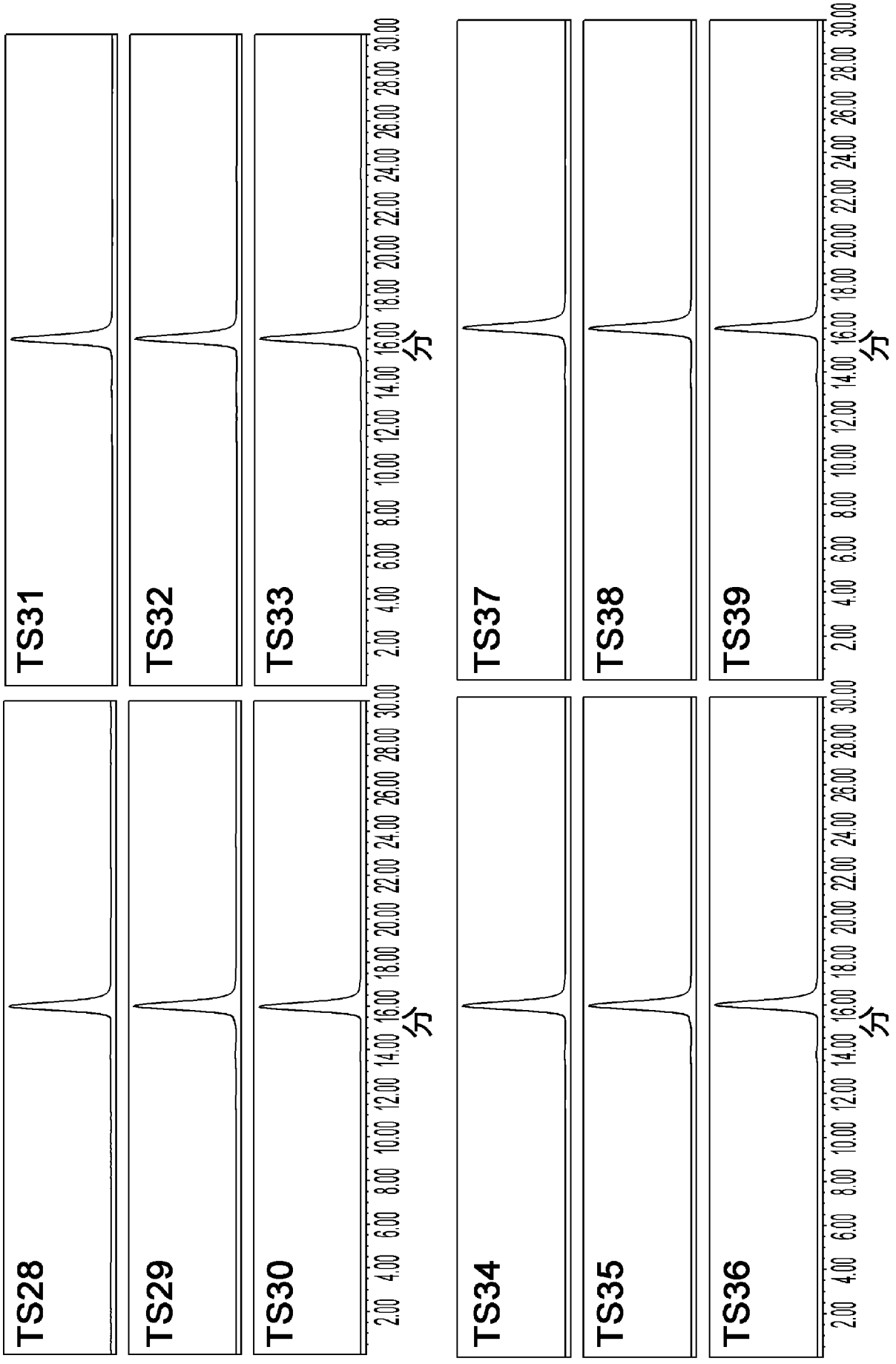
[図1]


Loop1
Loop2
Loop3
Loop4
240
250
260
270
280
290
300
310
320
330
Sum(Position)
72
70
68
66
64
62
60
58
56
54
52
50
48
46
Sum(Tm)

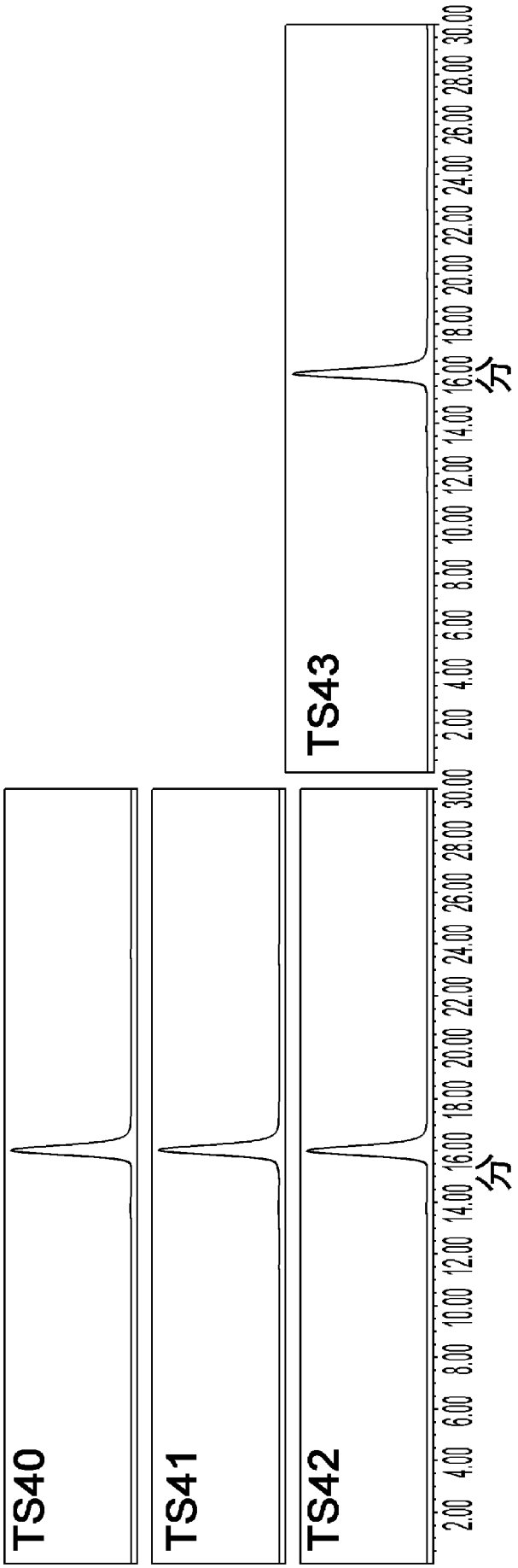
[図2-1]


TS20
TS21
TS22
TS23
TS24
TS25
TS26
TS27
2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 30.00
分

[図2-2]


TS28
TS29
TS30
TS31
TS32
TS33
TS34
TS35
TS36
TS37
TS38
TS39
2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 30.00
分

[図2-3]


TS40
TS41
TS42
TS43
2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 30.00
分

[図3]

```
Kabat    1                                                   2
EU index 1-2---------3---------4---------5---------6---------7---------8---------9---------0---------1---------2--
         8-0---------0---------0---------0---------0---------0---------0---------0---------0---------0---------0--
IgG1     ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCD-
IgG2     ASTKGPSVFPLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSNFGTQTYTCNVDHKPSNTKVDKTVERK--CC
IgG3     ASTKGPSVFPLAPCSRSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYTCNVNHKPSNTKVDKRVELKTPLG
IgG4     ASTKGPSVFPLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTKTYTCNVDHKPSNTKVDKRVESKYG--

Kabat    2
EU index 2---------------------------------------------3---------4---------5---------6---------7---------8---------
         2-----8---------------------------------------0---------0---------0---------0---------0---------0---------0
IgG1     -KTHTCPP-----------------------------------------CPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD
IgG2     -V-E-CPP-----------------------------------------CPAPPVA-GPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVD
IgG3     DTTHTCPRCPEPKSCDTPPPCPRCPEPKSCDTPPPCPRCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVQFKWYVD
IgG4     ---PPCPS-----------------------------------------CPAPEFLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSQEDPEVQFNWYVD

Kabat    2                   3
EU index 8---------9---------0---------1---------2---------3---------4---------5---------6---------7---------8---------
         1---------0---------0---------0---------0---------0---------0---------0---------0---------0---------0---------
IgG1     GVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNG
IgG2     GVEVHNAKTKPREEQFNSTFRVVSVLTVVHQDWLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNG
IgG3     GVEVHNAKTKPREEQYNSTFRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKTKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESSG
IgG4     GVEVHNAKTKPREEQFNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKTISKAKGQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNG

Kabat    3                   4
EU index 8---9---------0---------1---------2---------3---------4
         6---0---------0---------0---------0---------0---------7
IgG1     QPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK (配列番号:11)
IgG2     QPENNYKTTPPMLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK (配列番号:12)
IgG3     QPENNYNTTPPMLDSDGSFFLYSKLTVDKSRWQQGNIFSCSVMHEALHNRFTQKSLSLSPGK (配列番号:13)
IgG4     QPENNYKTTPPVLDSDGSFFLYSRLTVDKSRWQEGNVFSCSVMHEALHNHYTQKSLSLSLGK (配列番号:14)
```

[図4]

