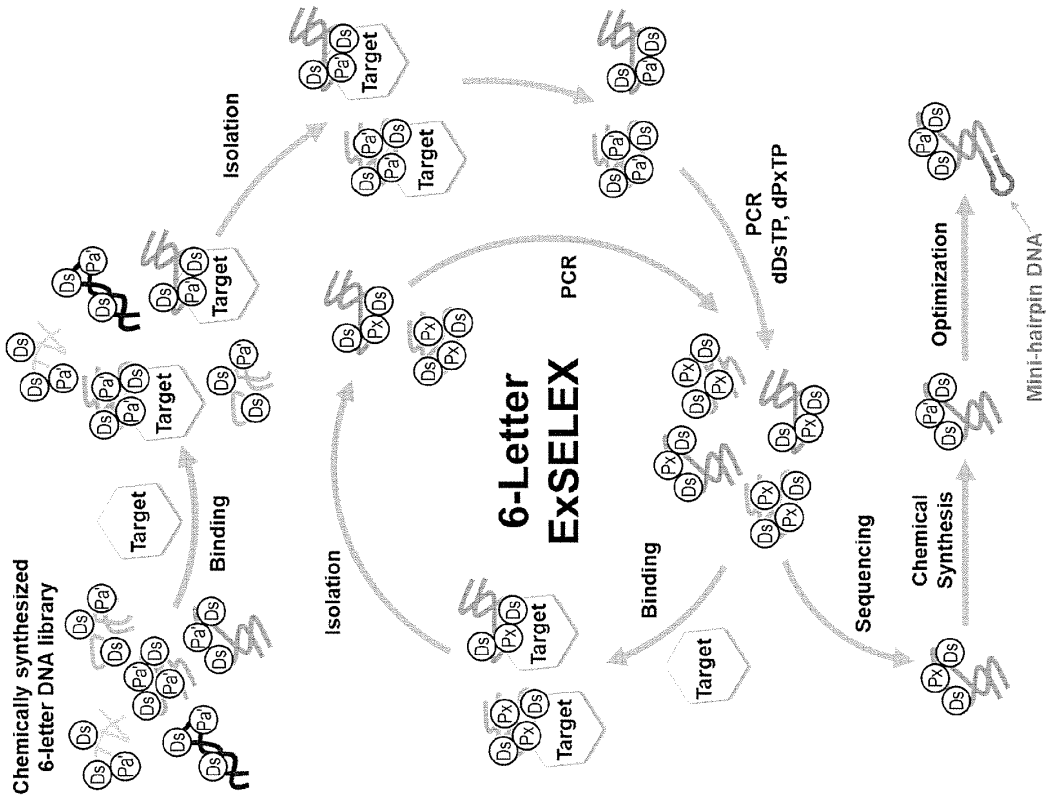
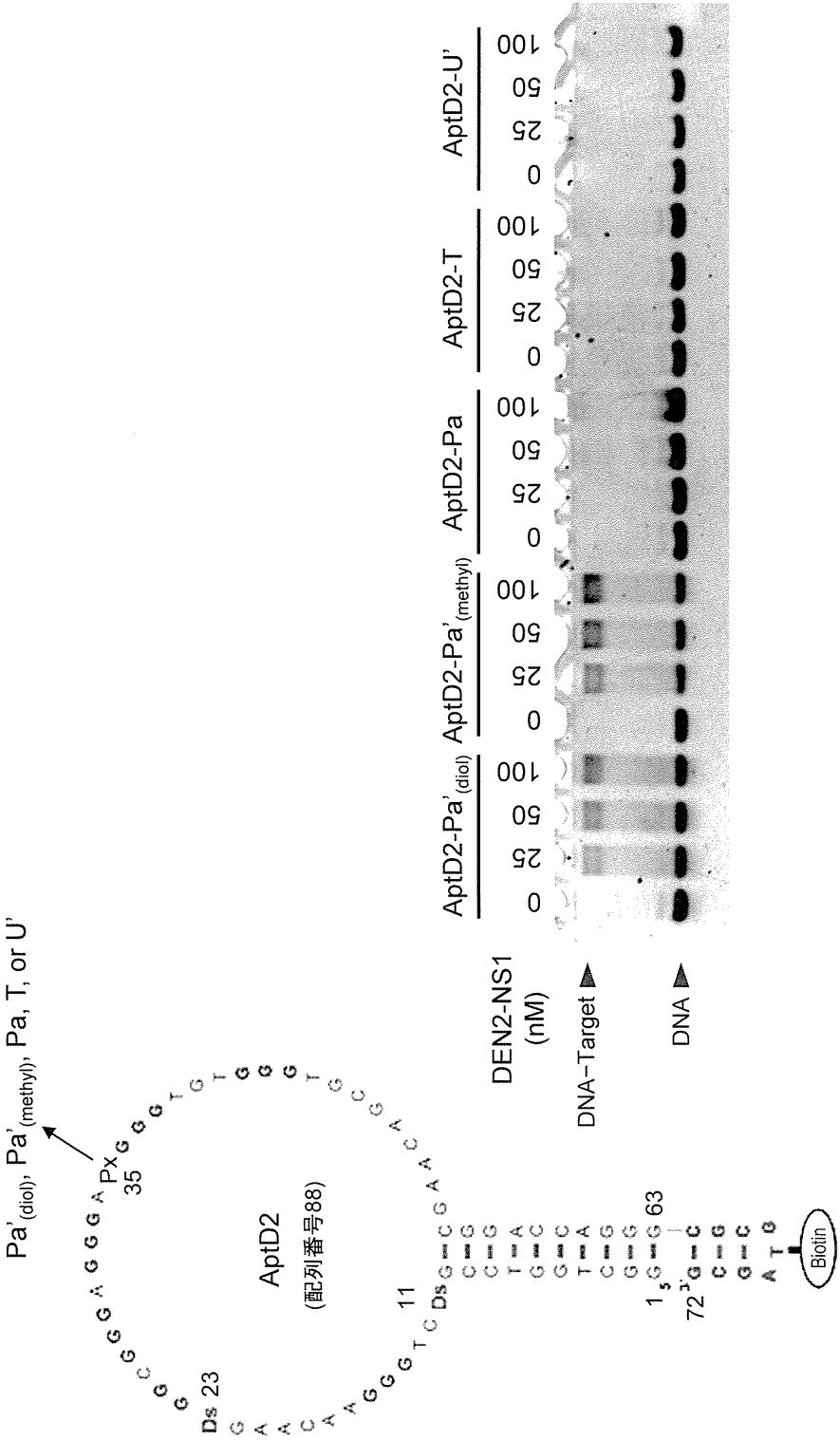


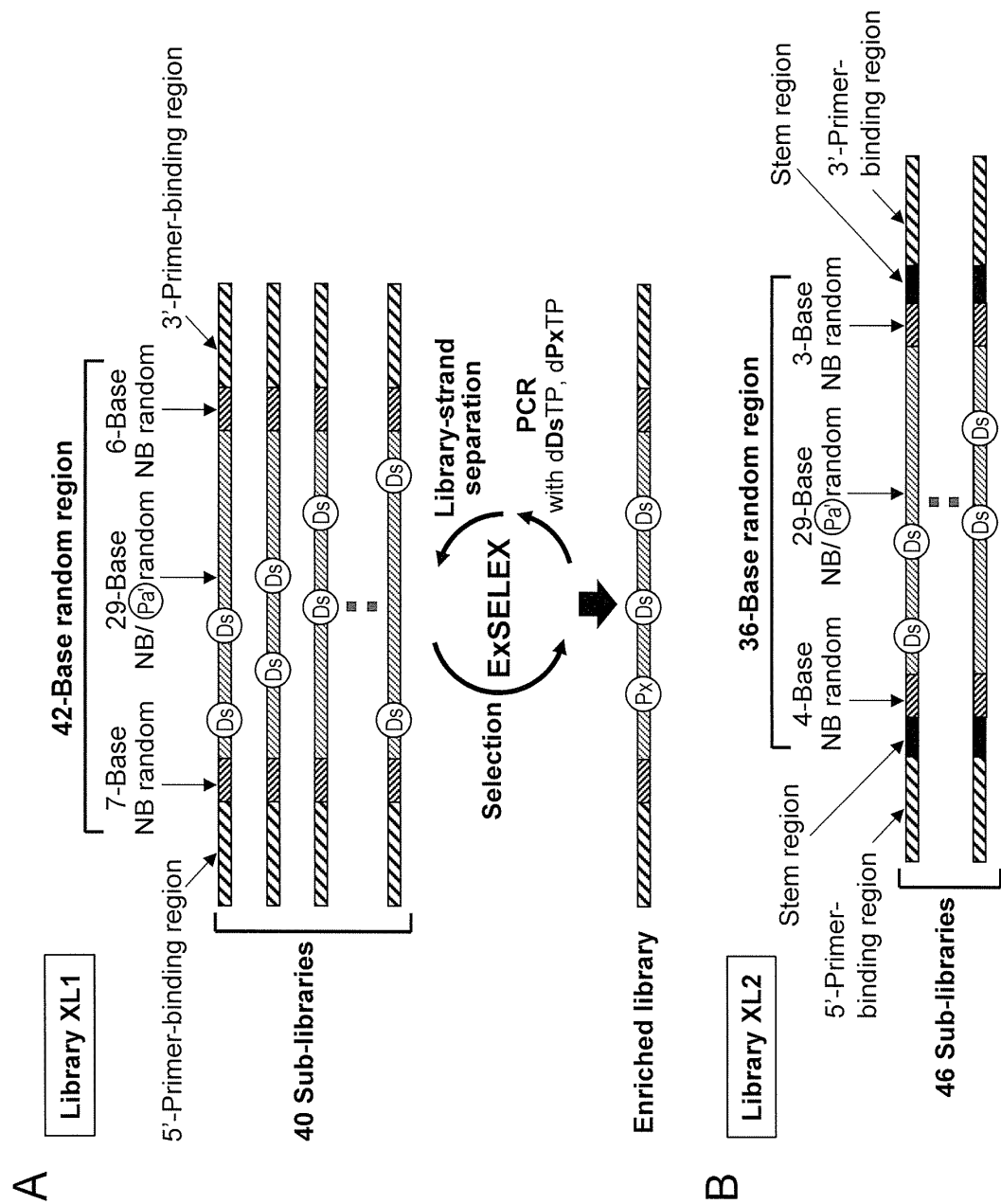
[図2]



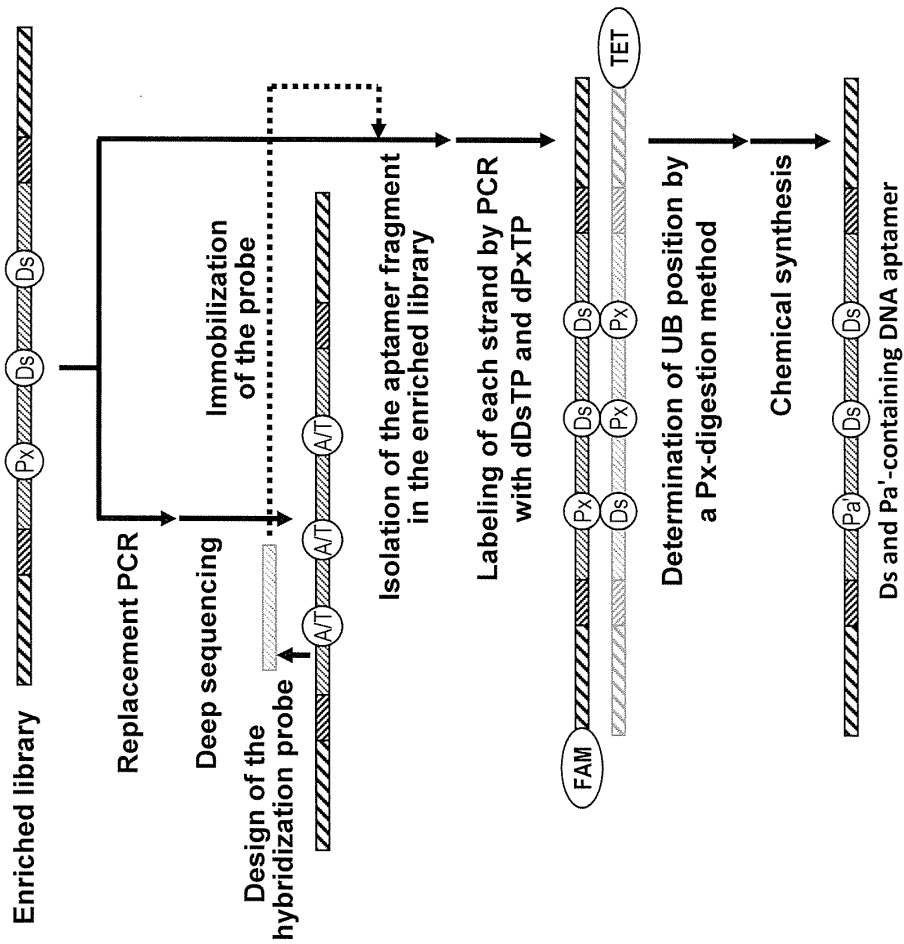
[図3]



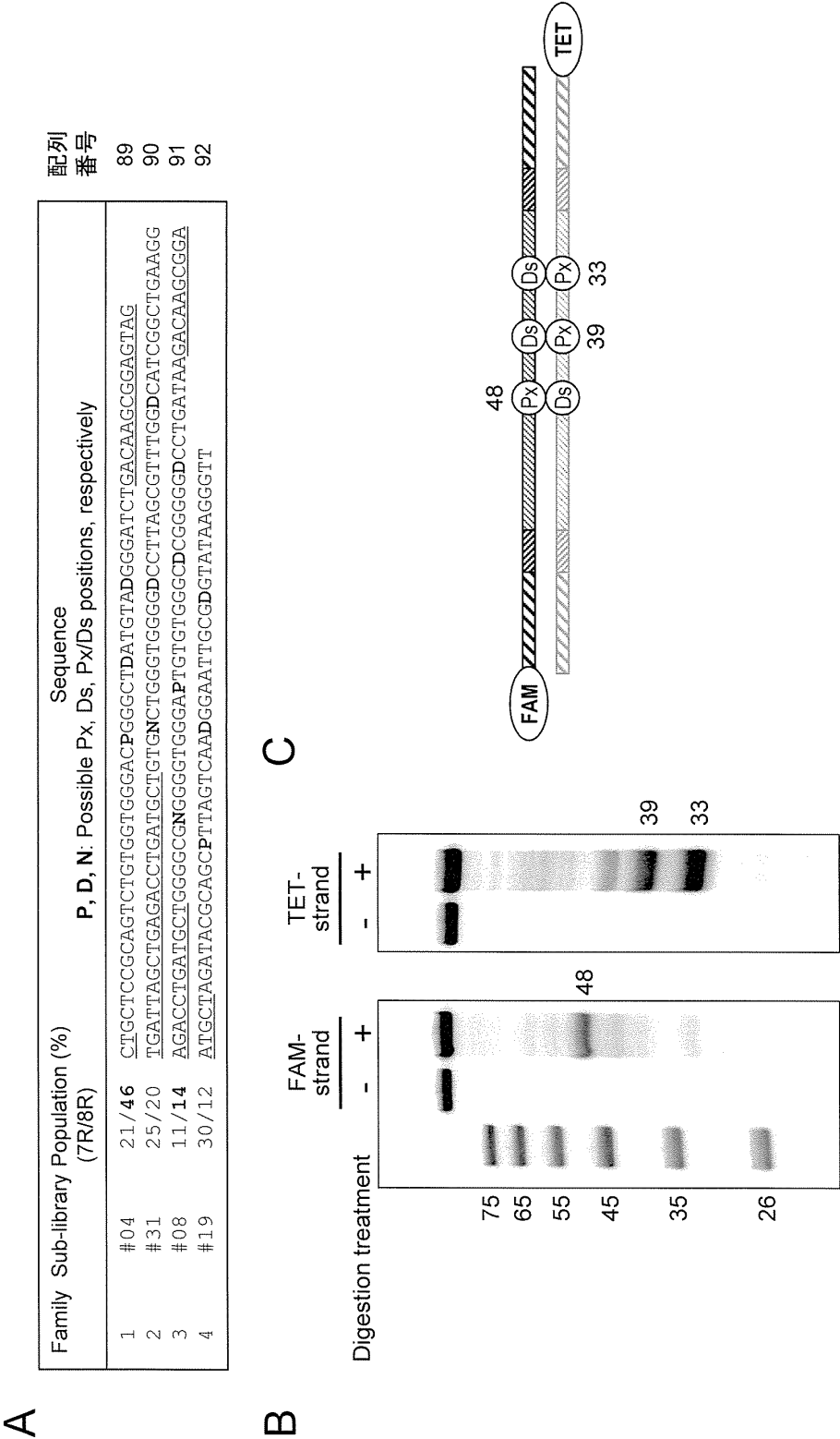
[図4]



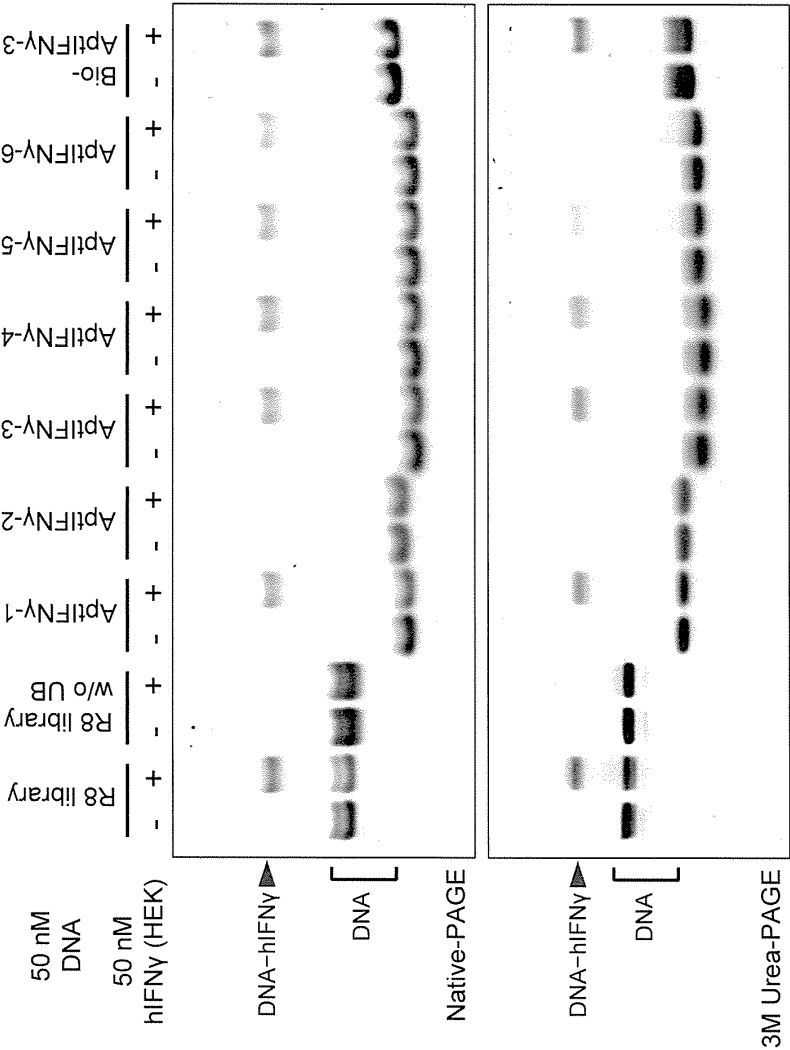
[図5]



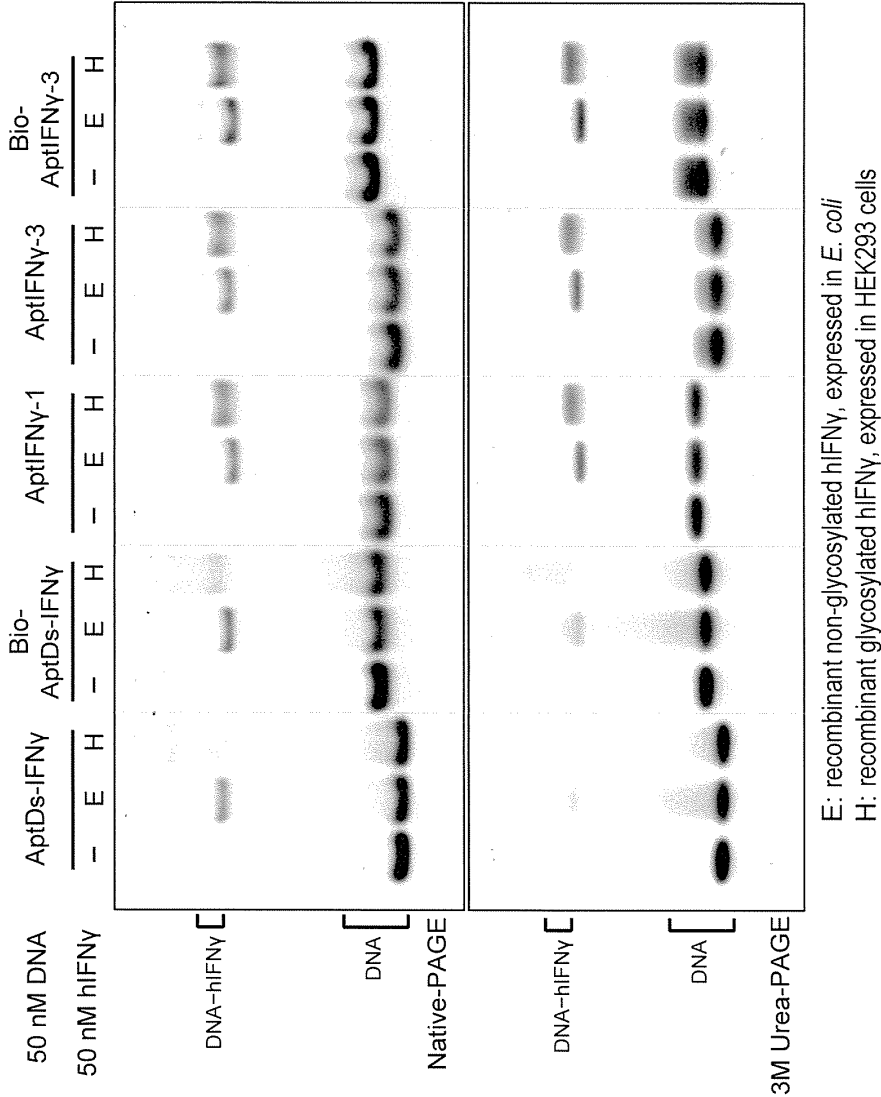
[図6]



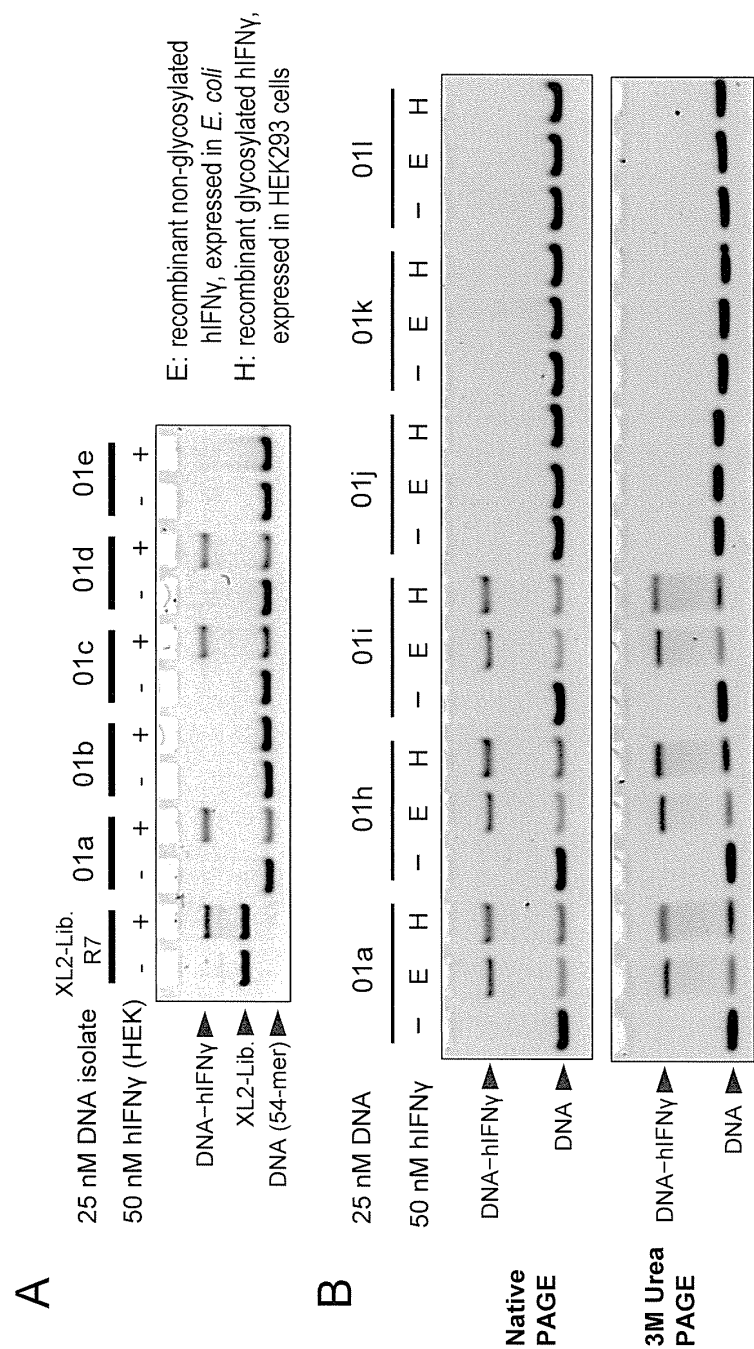
[図7]



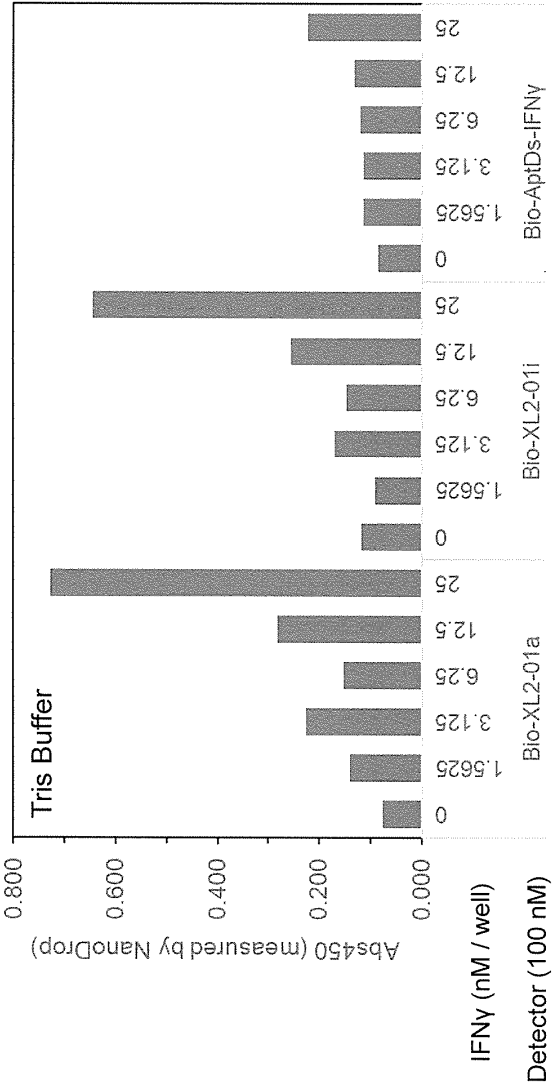
[図8]



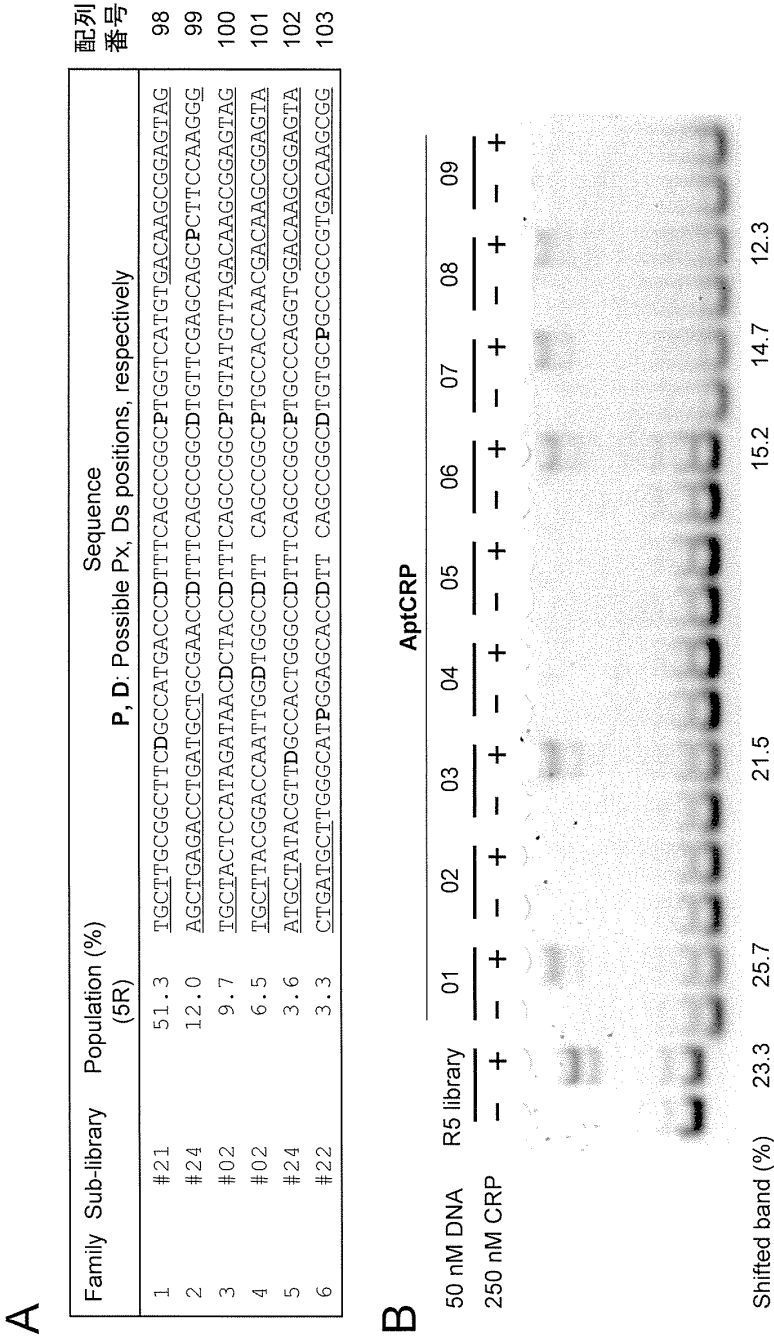
[図10]



[図11]



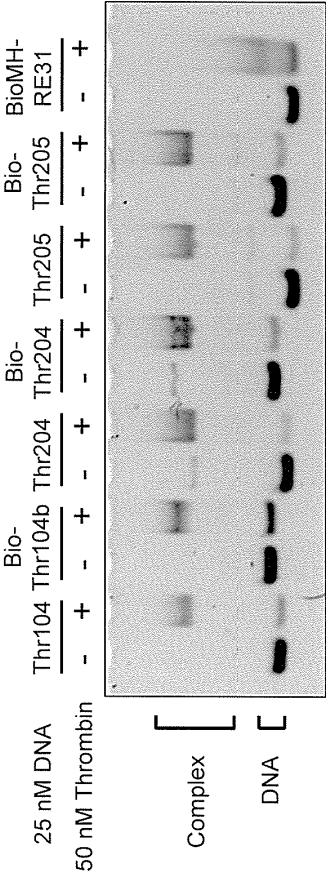
[図12]



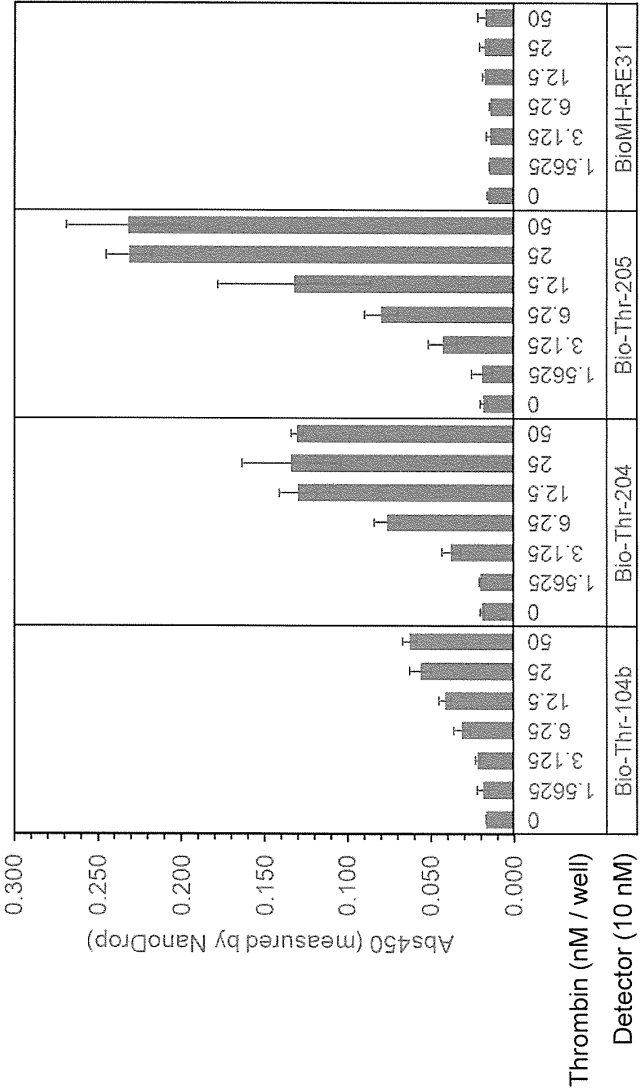
[図13]

Family Sub-library			Population (%) (5R)	Sequence P, D: Possible Px, Ds positions, respectively		配列 番号
XL1-01	#35		4.15	CCTGATGCTCAGCAGCAT	GGAACTTTADTGGCTAGGGGTGGDGGAGGTGACAAGCGG	104
XL1-02	#15		3.13	TGCTGATCCCGCGCGAGATTADTGGTTTGADATAGGGTGGTAGGACAAGCG		105
XL1-03	#04/#15		2.98	TGCTTTCCGCTATGPAAGCGCGNAGGGTGGGDTCTTGN	TGGTGGTGGACAAAGCGT	106
XL1-04	#10		2.45	CTGGTTGGGTGAAGTTDGGGTGGGDTGTGATGGGPGGTAGATAGACAAGCGG		107
XL1-05	#39		2.41	TGCTTATCTTACAAGCGCGGATCTTADTGGTTGGGTGGD	TTTGGGACAAGCG	108
XL1-06	#05		1.71	GCTGAGACCTGATGCTCGGAAGGADGGTGGGDTCTGGGTGGGPGGPGGTAGATCAGACAAGC		109
XL2-01	#20		17.97	CTCCTATTCTCACAGGCA	GGGTTGGGAGGGTAAGGADGGTGGGTGDCCTCGTGACAAGCGGAG	110
XL2-02	#03		14.00	CTCCTATTCTCACGGCAACGCAC	TTTADTGGTGGGTGGGCTPGTCTTCTGTAAGCGGAG	111
XL2-03	#03		5.01	CTCCTATTCTCACGTAGCDGGTCCGGGTTADTGGGPGGTTGGCTTGGGCGCGTGACAAGCGGAG		112
XL2-04	#02		4.90	CTCCTATTCTCACGCCTGTGGTDGTTTDTTGGGGGGTGGTTAAGGCGCGTGACAAGCGGAG		113
XL2-05	#01		4.22	CTCCTATTCTCACGCCTTTDACTTADTGGCTGGGTGGPCTGGGTAAAGACGCGTGACAAGCGGAA		114

[図15]



[図16]



[図17]

A

Family	Sub-lib.	Population (%) (5R)	P, D, N: Possible Px, Ds, Px/Ds positions, respectively	Sequence	配列 番号
XL1-01	#37	57.50	ATGCTCGGCGGTACACDAGTCCGCTAGACATGDCAGT P ACGAGTGGACAAGCGGAGTAG		115
XL1-02	#13	22.57	ATGCTTGGCTGADCTGACAAAD CAGGGG PCCCCGTAAACTGTGT CACGACAAGCGG AGTAG		116
XL1-03	#24	5.98	ATGCTTGGTAG GGD TACTACTCTAG DGGAGATP GGGCGGGTTTGT CGACAAGCGG AGTAG		117
XL2-01	#19/#40	78.95	TCTCCTATTCTCACGTGGGGT CNCCGATNCCATN ACCACAG GGD PACCACTCGTGACAAGCGGAGT		118
XL2-02	#46	12.34	TCTCCTATTCTCAC GGCGGATDCA NCAGGT GNCCACAATTNCCGGD ATTTCCGTGACAAGCGGAGT		119
XL2-03	#04/#22	2.84	TCTCCTATTCTCACGGCGCGCACCCNGCTCCTTCGDCAAAT CNCGCCCTCGGCCGTGACAAGCGG AGT		120
XL2-04	#25	2.34	TCTCCTATTCTCACGAAATTAA NC TACAGCTAGAAATTG CCCCDCAGNAA TCGTGACAAGCGGAGT		121
XL2-05	#37	1.06	TCTCCTATTCTCACGCTCAAATGTTT PCCGGGGD ACCATCTACAG GD TACGTGACAAGCGGAGT		122

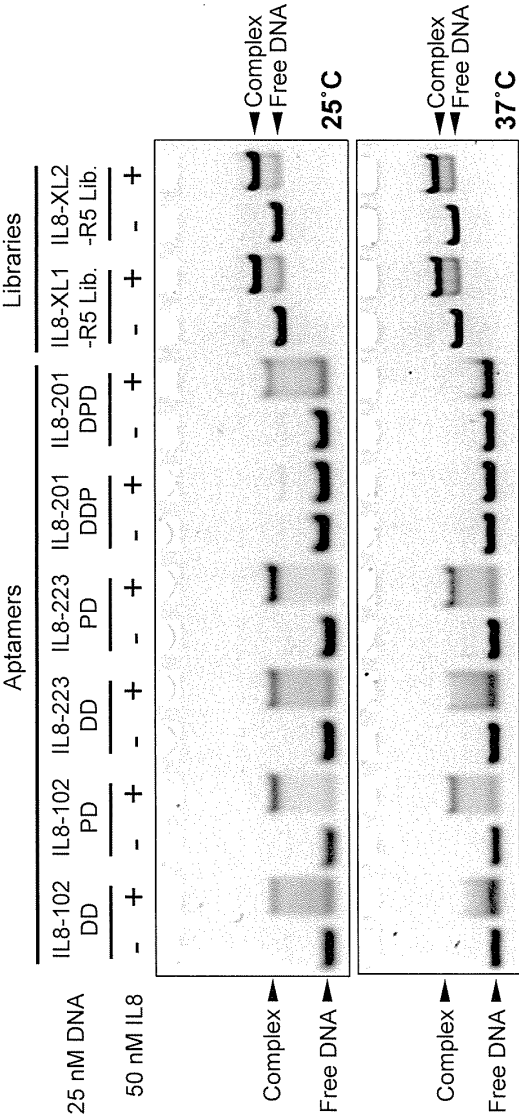
B

Ligand (immobilized Aptamer)	Fitting RUmax	k_{on} (1/Ms)	k_{off} (1/s)	K_D (M)
Bio-IL6-101	Global	2.30E+04	3.46E-04	1.51E-08
	Local	7.94E+06	6.95E-03	8.75E-10
Bio-IL6-201b	Global	4.01E+05	2.93E-04	7.31E-10
	Local	6.61E+04	1.13E-04	1.71E-09

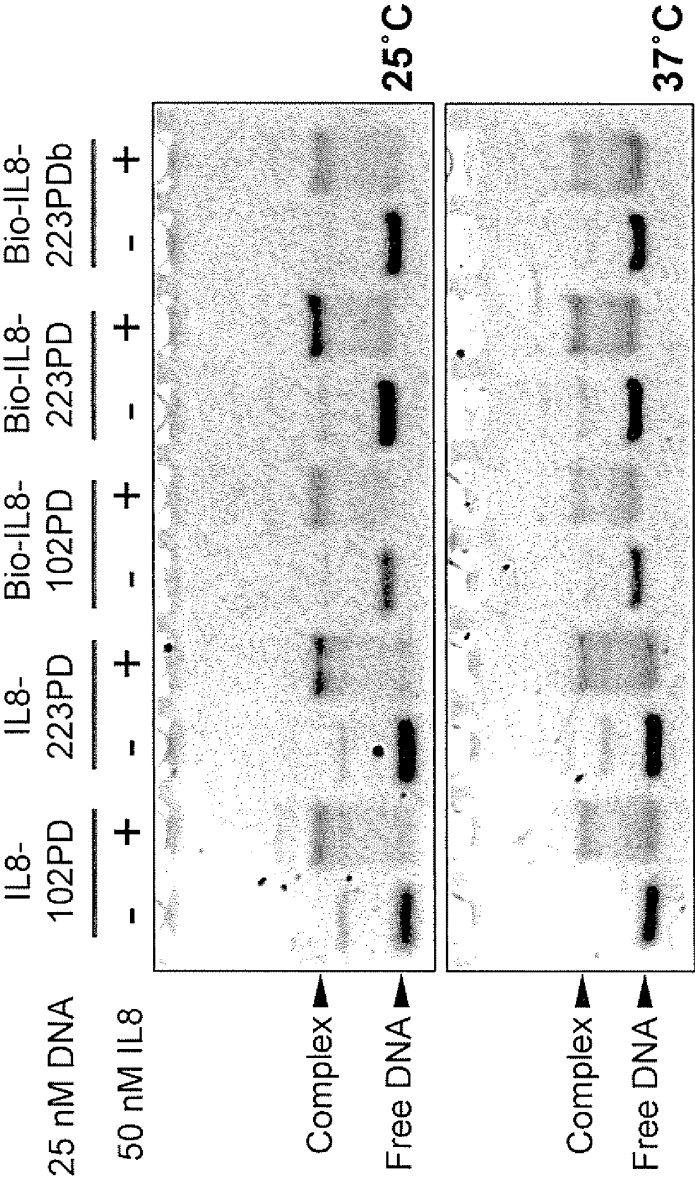
[図18]

Family	Sub-library	Population (%) (5R)	P, D, N: Possible Px, Ds, Px/Ds positions, respectively	Sequence	配列 番号
XL1-01	#35	9.63		<u>TGATGCTTGATTGCCCAA</u> P <u>CCGTTGGCDAGGCGGGCAATACDGAATAAGACAA</u>	123
	XL1-02 #13/#22	9.35		<u>GACCTGATGCTAACTCAANCCGGTGGCDAGGCGAGTTGNACATCTTCTATCAGG</u>	124
	XL1-03 #13	6.82		<u>GACCTGATGCTCGACTAADC</u> C <u>CGGTGGDAGGCACGGAGAAAGCATGGGTTCTAG</u>	125
	XL1-04 #25	6.68		<u>TGCTTGAAAGTGGGGC</u> D <u>CTCGCGGAGGDA</u> G <u>TGGPAACGTTAAAGACAAAGCG</u>	126
	XL1-05 #20	5.99		<u>AAGGCTTAC</u> P <u>GAAGCTTAACCCAA</u> D <u>CCGGTGGCDAGGCGGGCAAGCGGAGTAG</u>	127
XL2-01	#2/#35	9.66		<u>CTATTCTACGAGAGTGTG</u> D <u>CCATAN</u> C <u>ACGGGNAGGTGACATATATCGTGACAAG</u>	128
	XL2-02 #2/#13/#20/#39/#45	6.38		<u>GACTAACANATCG</u> N <u>GGAGCAAN</u> C <u>CGTTGGCNAGGCGTGACAAGCGGAGTAGTAG</u>	129
	XL2-03 #38/#44	4.36		<u>CACGCGG</u> D <u>TTCATGTTGCCAAN</u> C <u>CGGTGGCNAGGCGGCCGTGACAAGCGGAGTA</u>	130
	XL2-04 #2/#5/#31/#46	4.25		<u>CACGGCCTTG</u> T <u>CCDCCCGN</u> G <u>GGGGNAGGGGTANGGTTACCTGACAAGCGGAGTA</u>	131
	XL2-05 #9	3.83		<u>TCACGCAGACGCCC</u> P <u>CCCCGCGGGGGD</u> A <u>GGGGADTCGCTCGGCGTGACAAGCGGAGT</u>	132

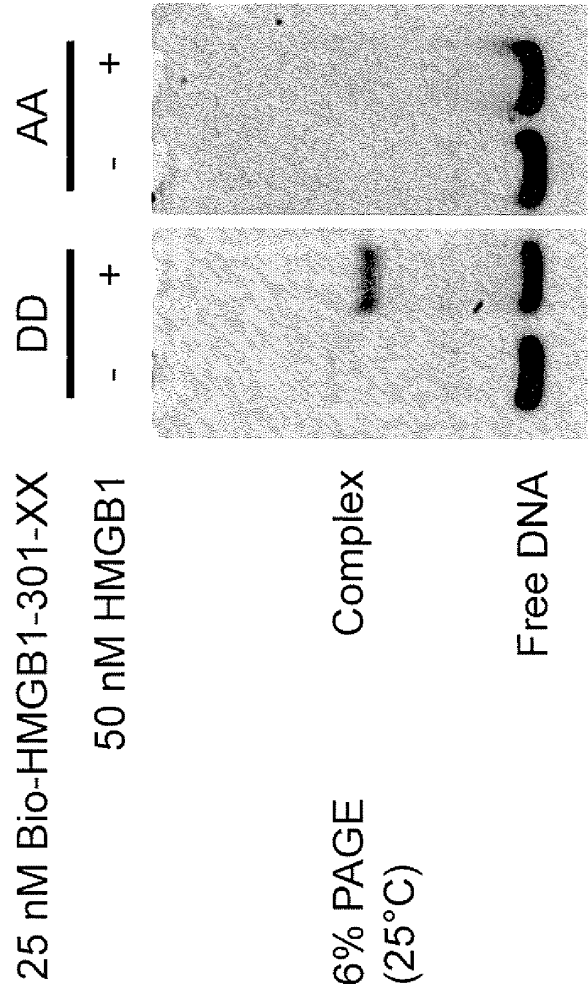
[図19]



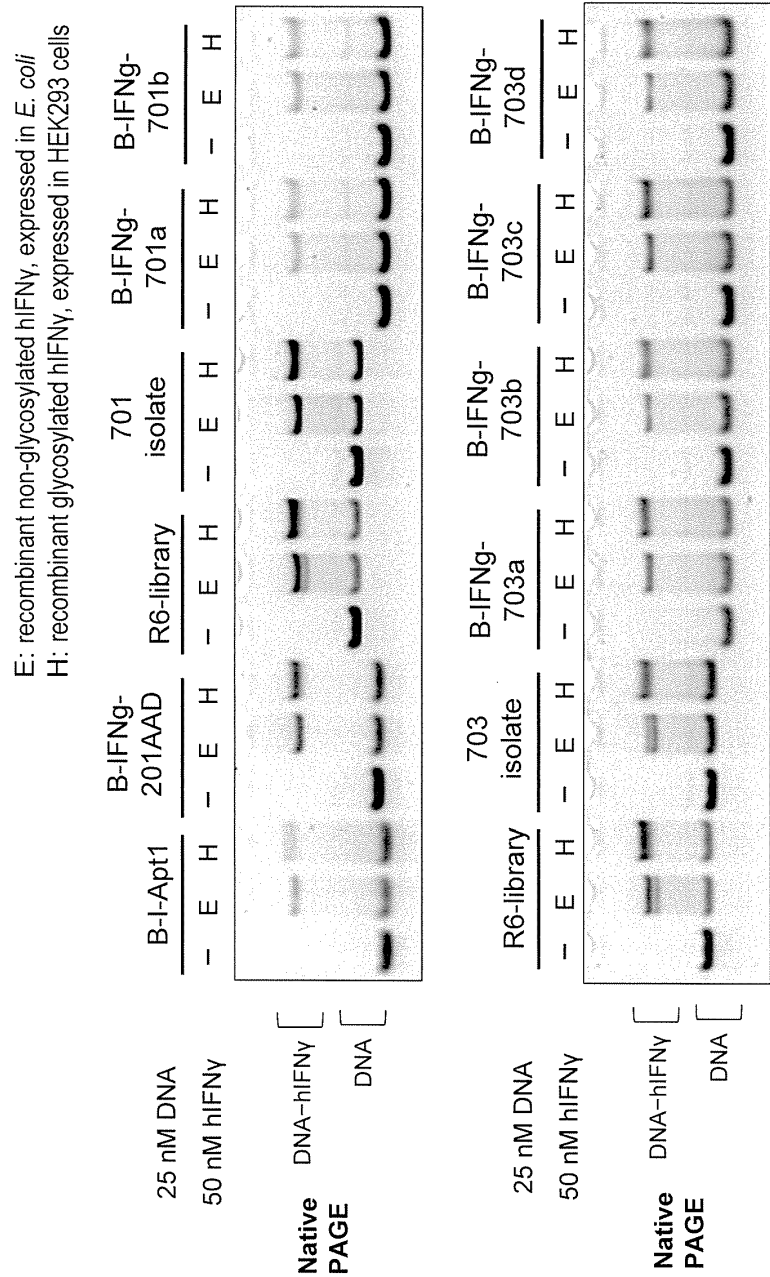
[図20]



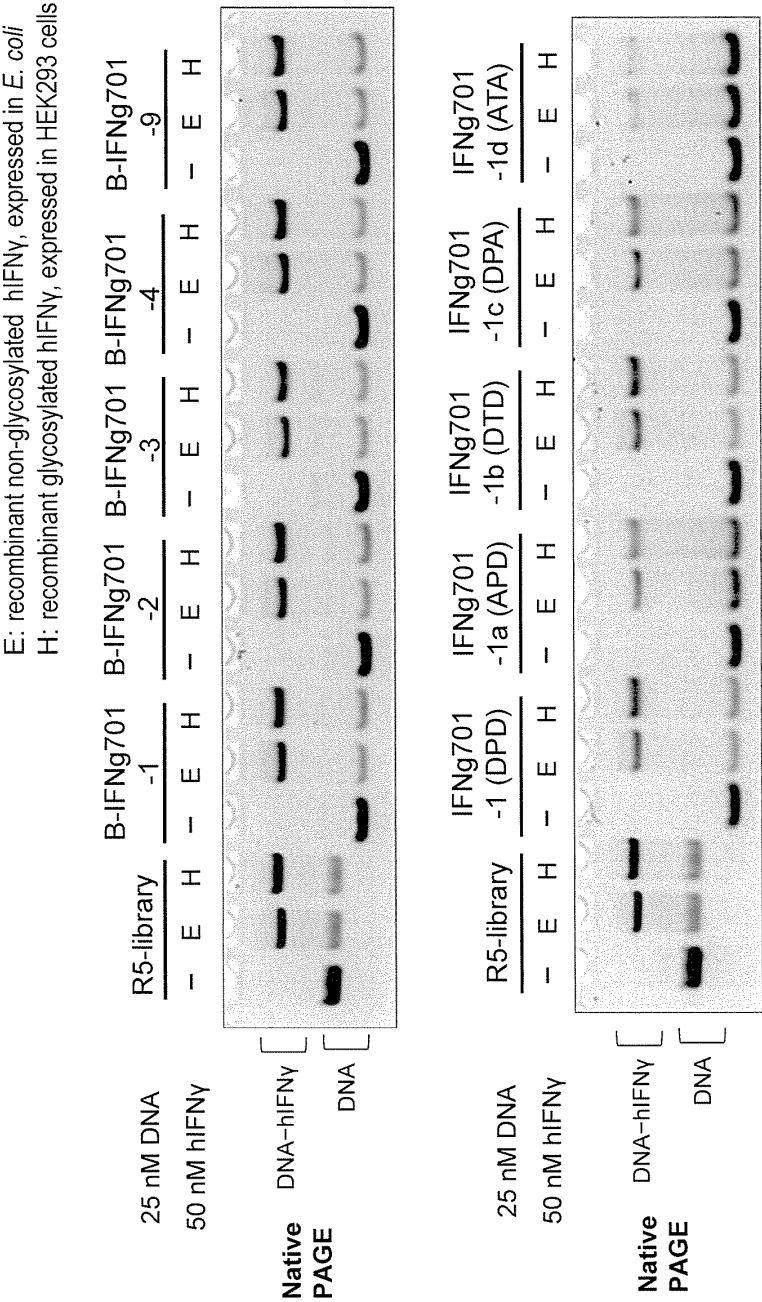
[図21]



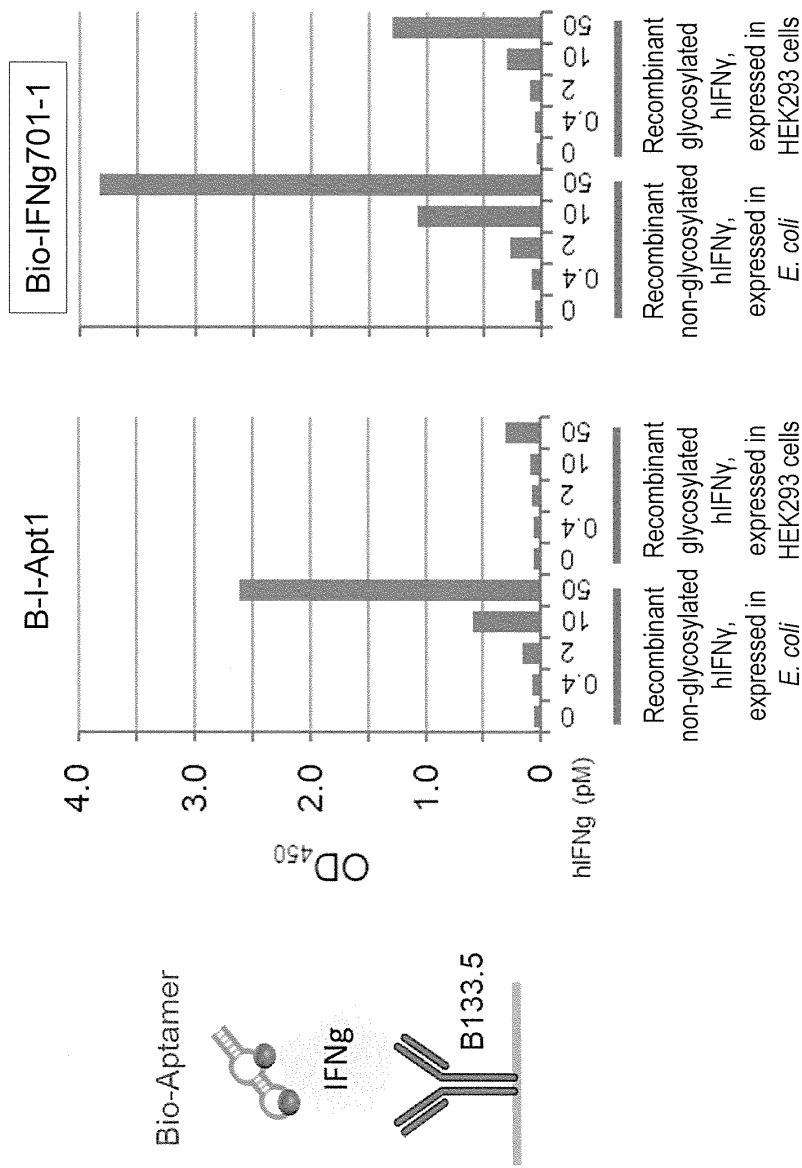
[Figure 22]



[図23]

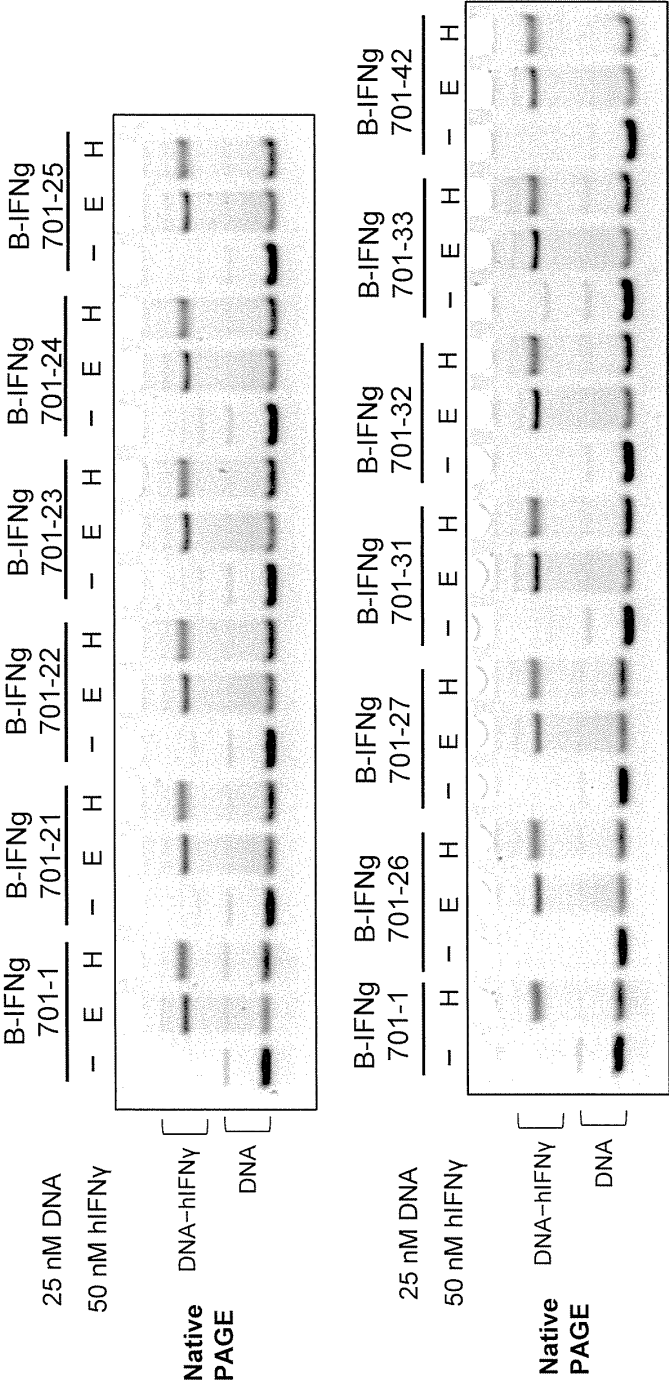


[図24]

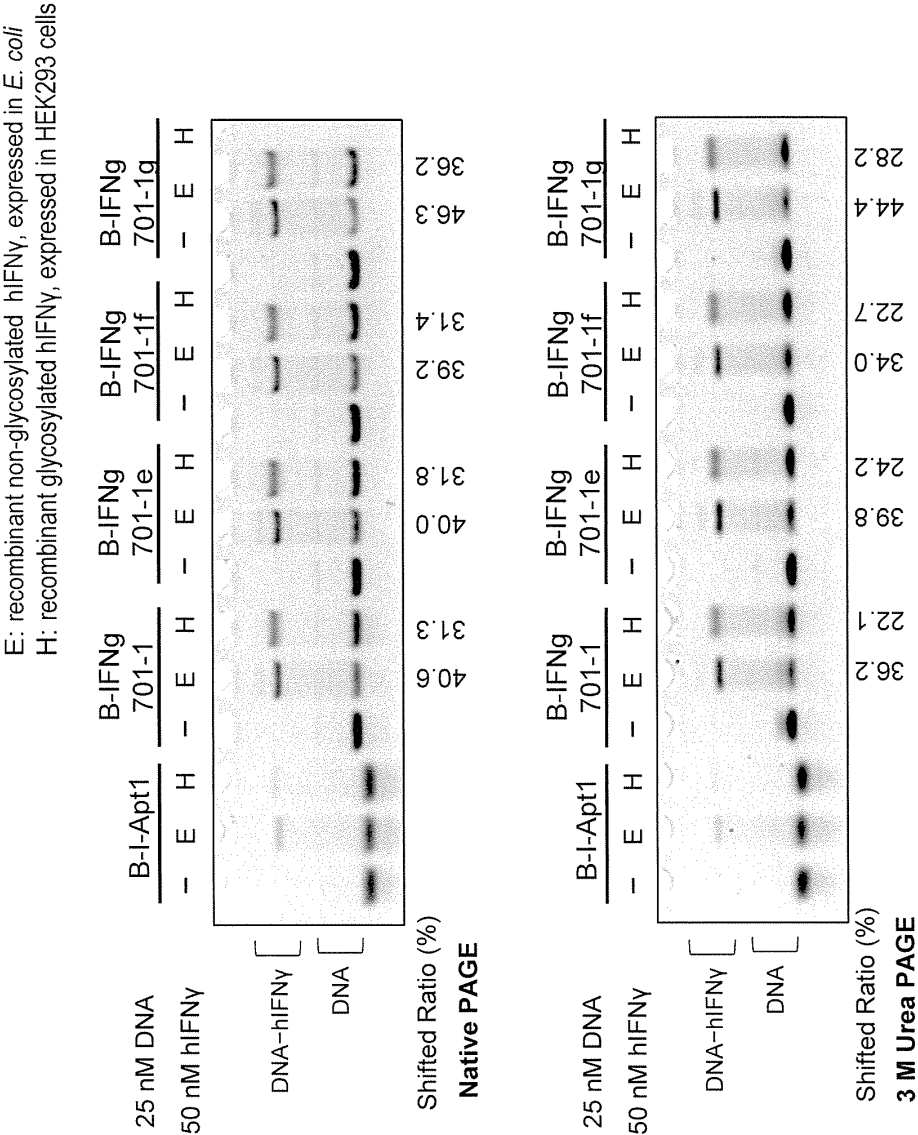


[25]

E: recombinant non-glycosylated hIFN γ , expressed in *E. coli*
H: recombinant glycosylated hIFN γ , expressed in HEK293 cells



[図26]



[図27]

