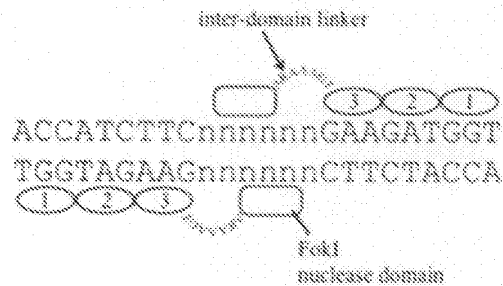
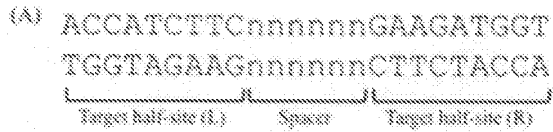
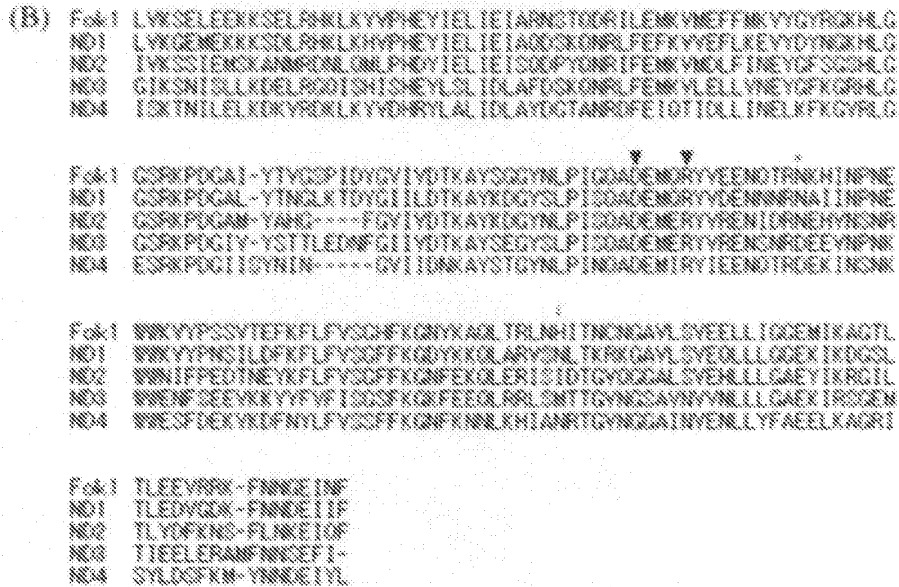


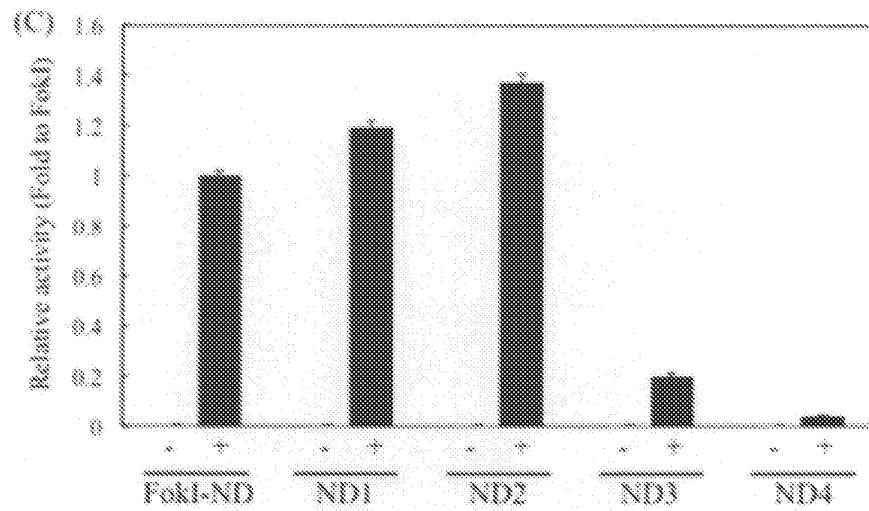
[図1A]



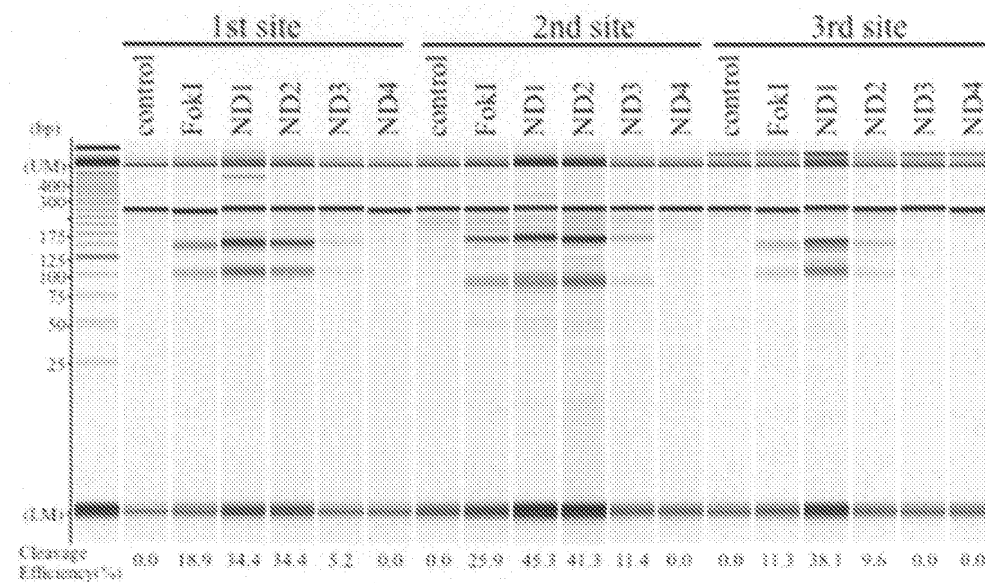
[図1B]



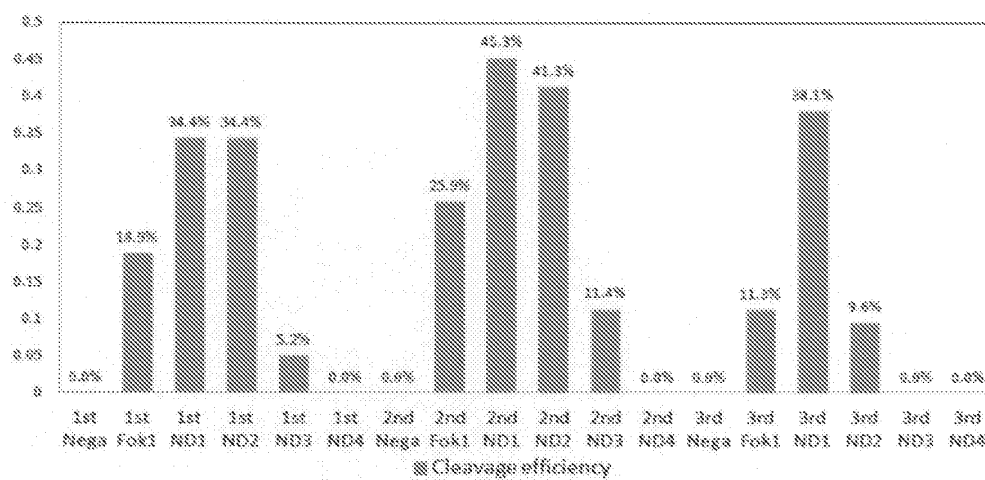
[図1C]



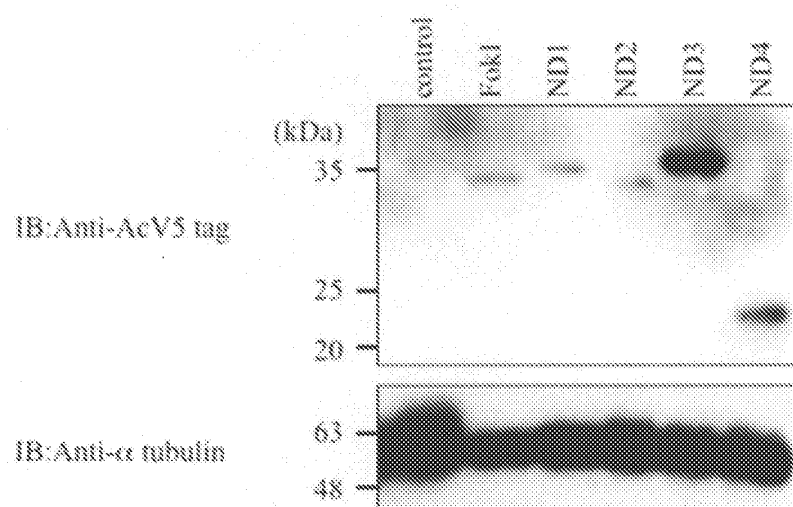
[図2A]



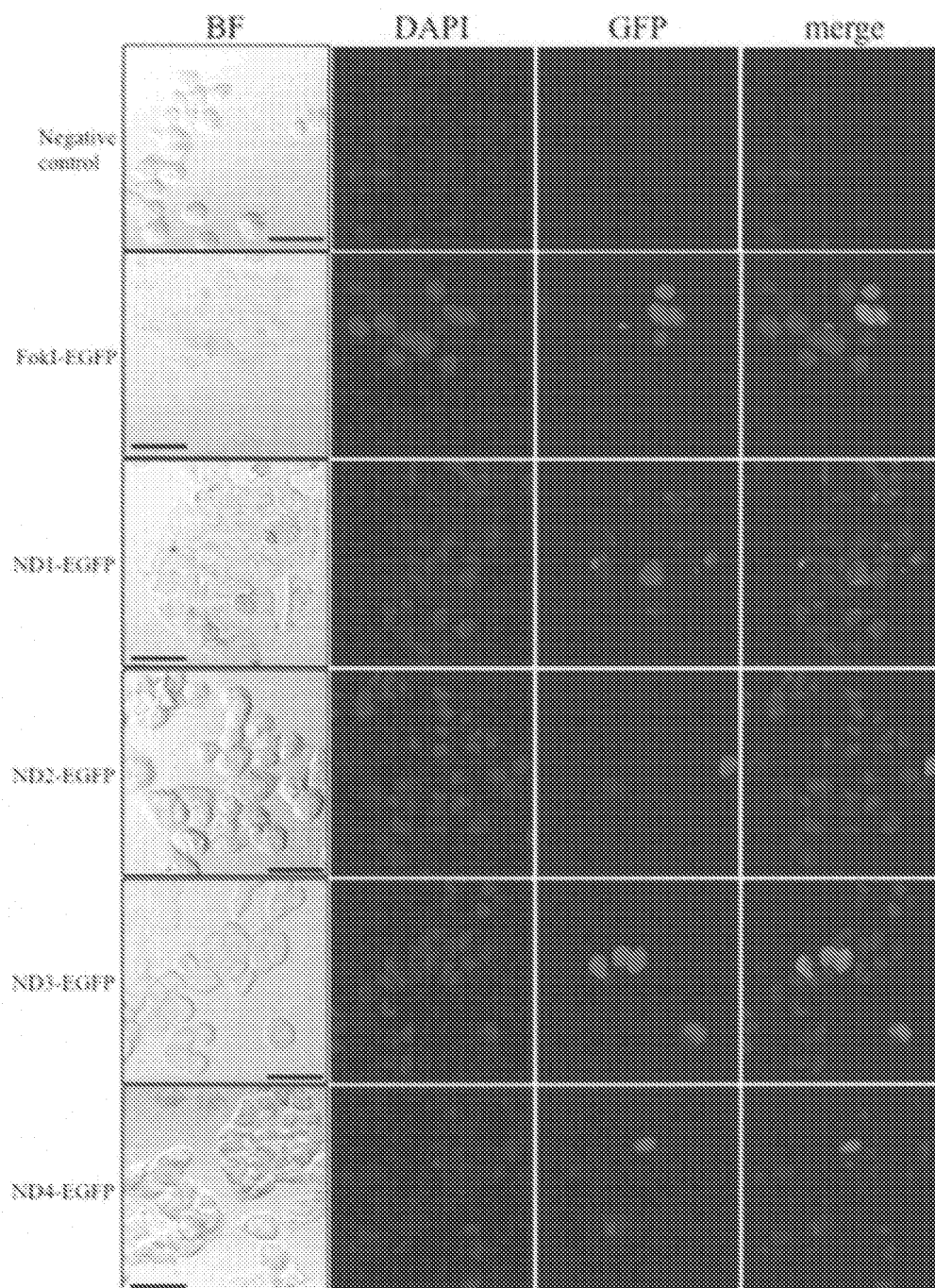
[図2B]



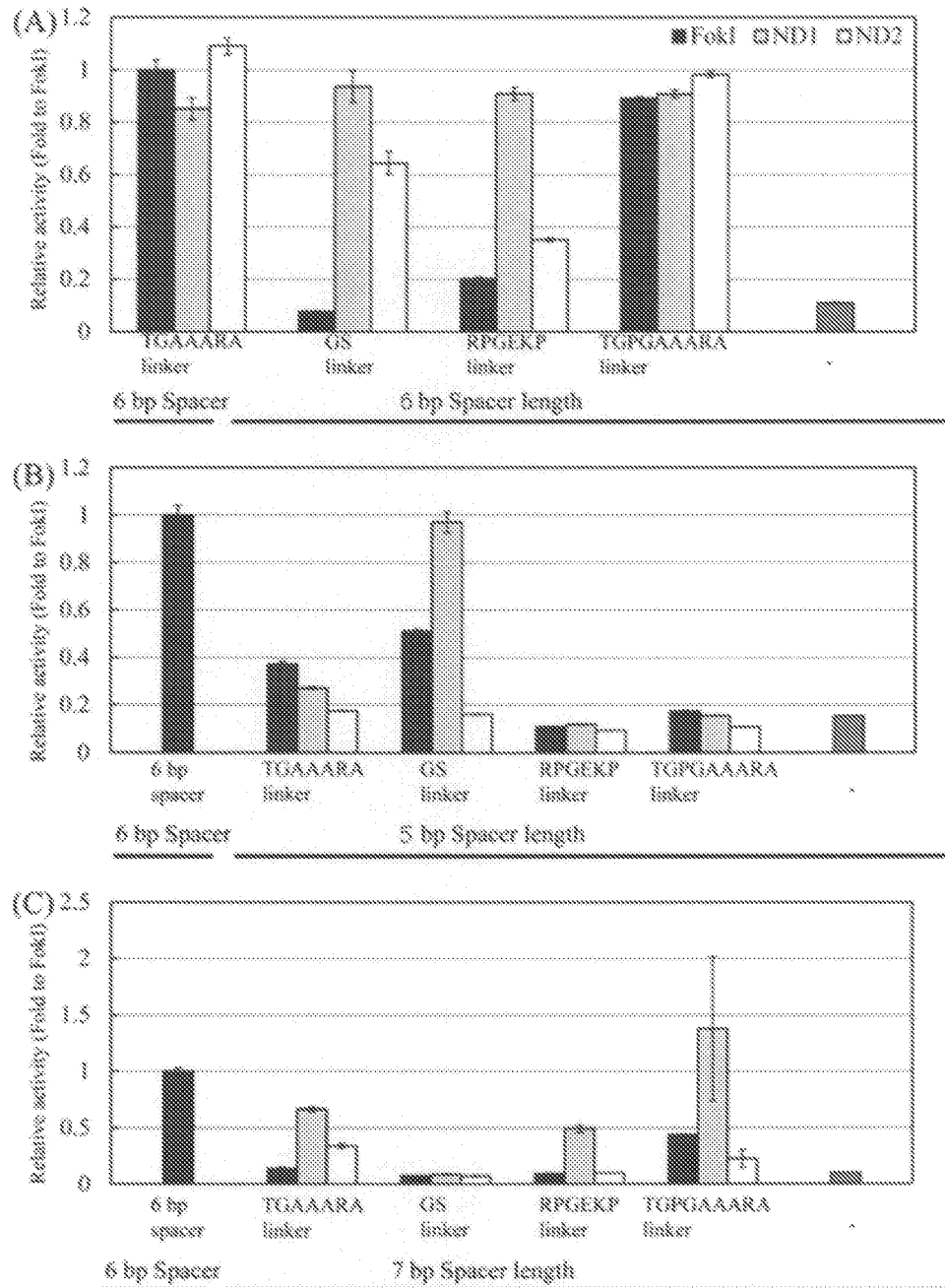
[図3]



[図4]

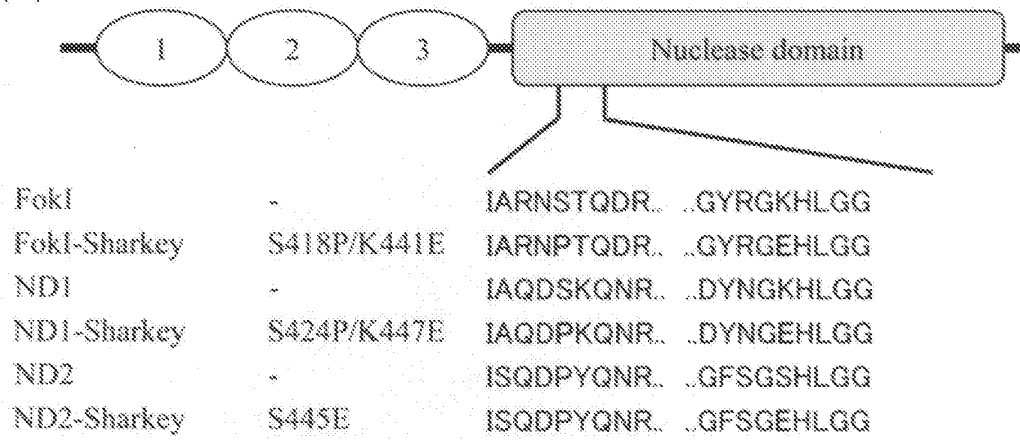


[図5]

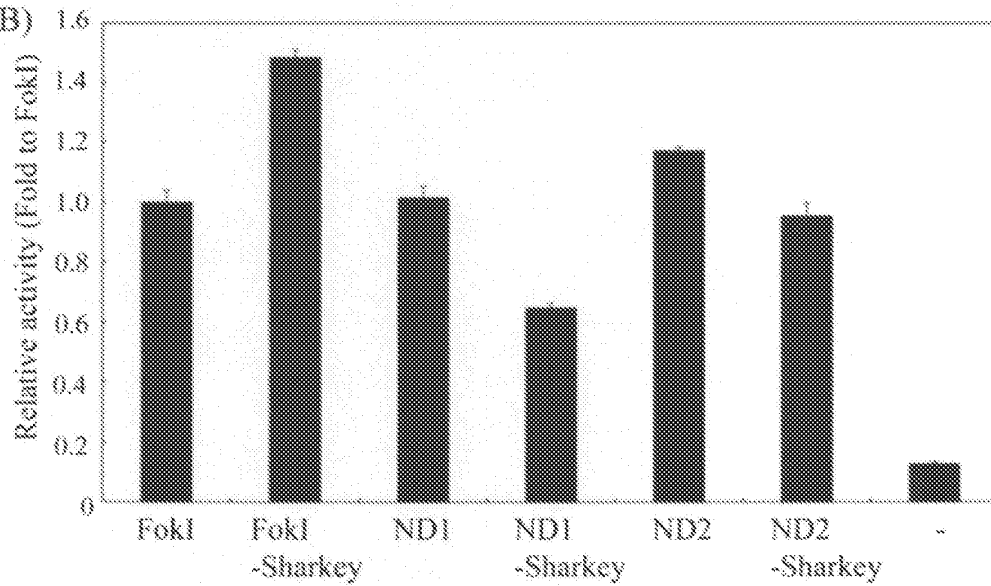


[図6]

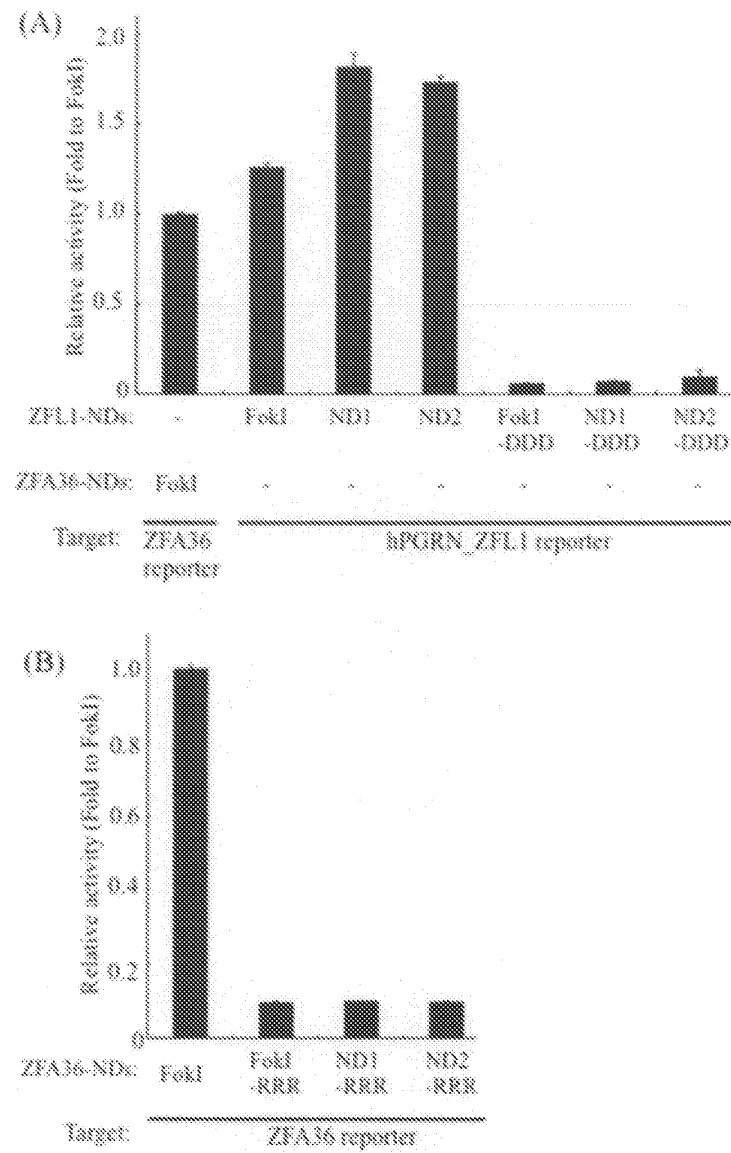
(A)



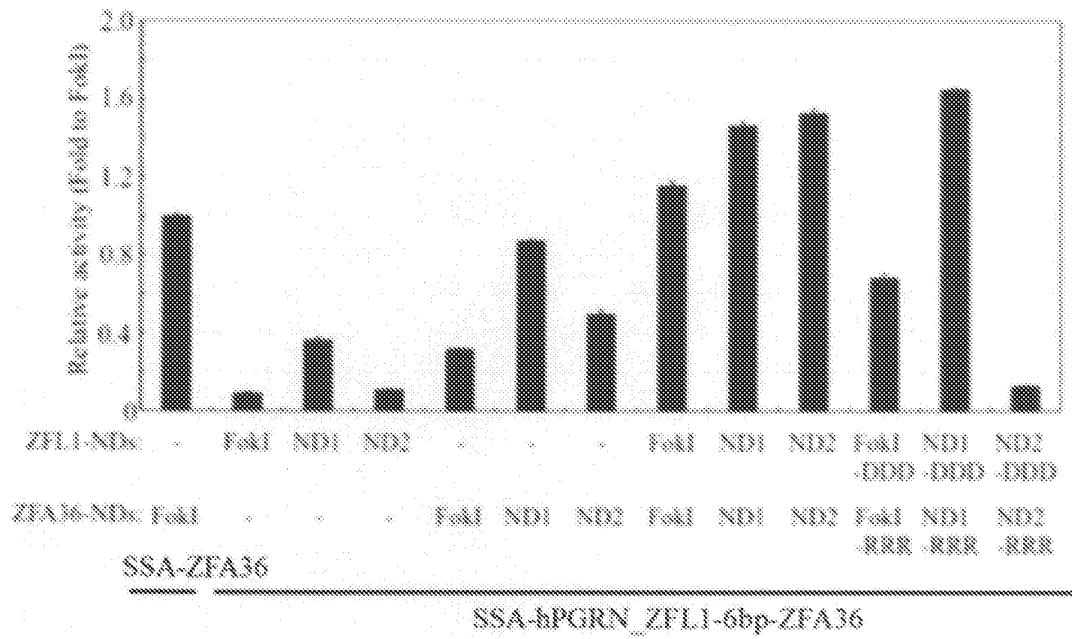
(B)



[図7]



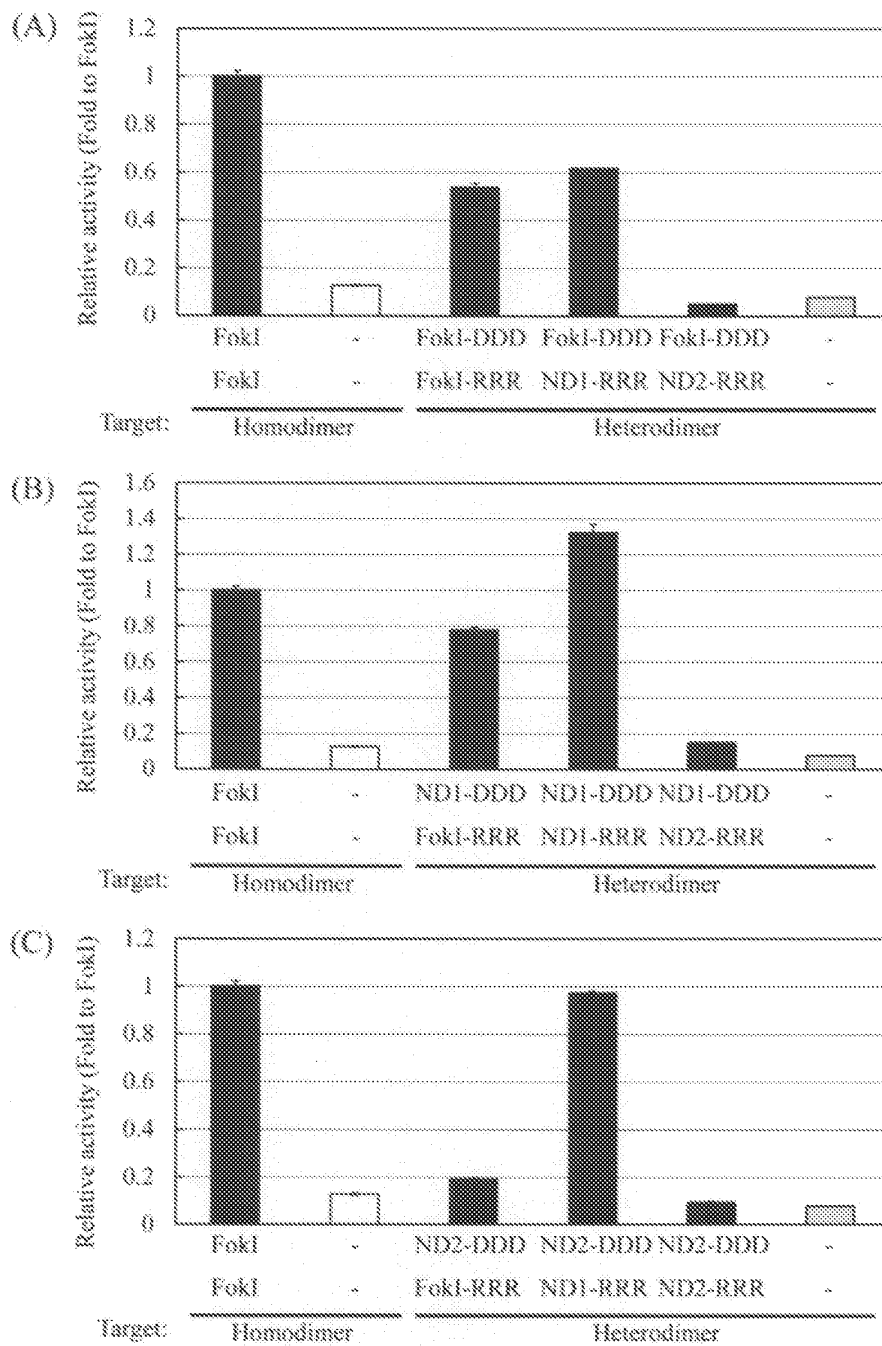
[図8A]



[図8B]



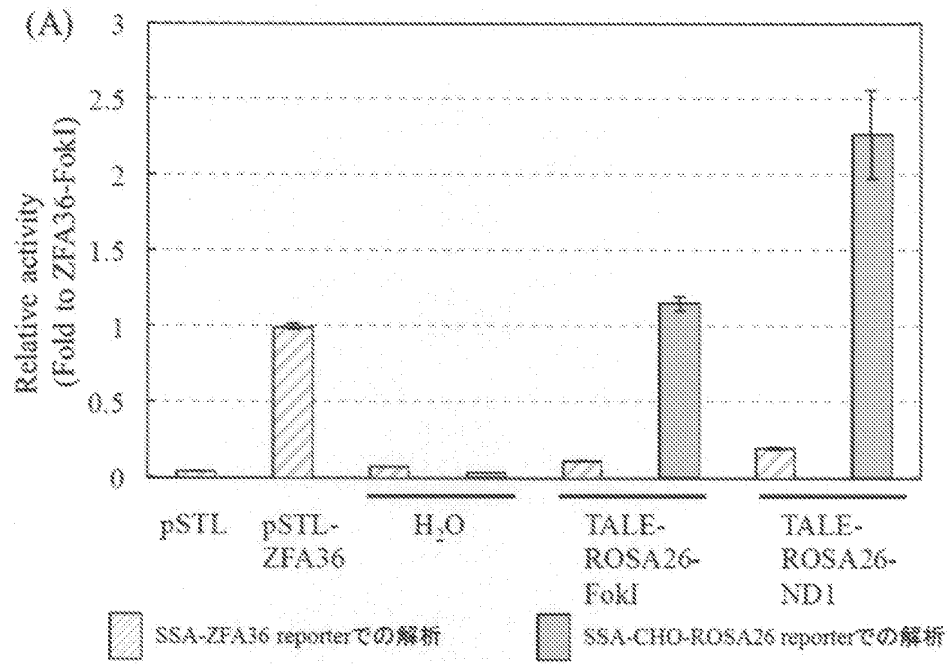
[図9]



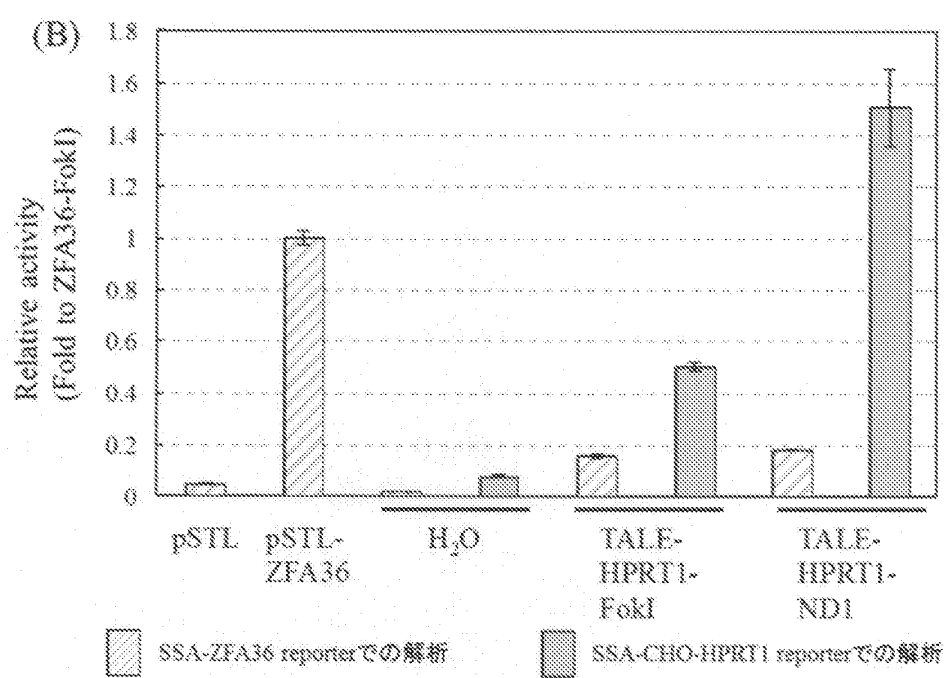
2000-01-01

ZFA36-ZFA36 1st site		ZFA36-ZFA36 2nd site	
FokI (N=17)		FokI (N=20)	
(Reference)	ACGATCTTC-----ACTCT-GAGAGATGGA	(Reference)	ACGATCTTCAA-----GACA--GAGAGATGGC
wt 13/17	CAGCCACCATCTTC-----ACTCT-GAGAGATGGAAGGT	wt 13/20	ACCTTACCATCTTCAA-----GACA--GAGAGATGGCTTAAA
+1 1/17	CAGCCACCATCTTC-----ACTCTTGAGAGATGGAAGGT	+2 1/20	ACCTTACCATCTTCAA-----GAGACA--GAGAGATGGCTTAAA
+4 3/17	CAGCCACCATCTTCACATCTCT-GAGAGATGGAAGGT	+4 3/20	ACCTTACCATCTTCAGAGA-GAGACA--GAGAGATGGCTTAAA
		+5 1/20	ACCTTACCATCTTCAGAGAGACA--GAGAGATGGCTTAAA
		+232 1/20	ACCTTACCATCTTCAA(231bp)GAGTGAAGAGATGGCTTAAA
		Δ2 1/20	ACCTTACCATCTTCAA-----GA--GAGAGATGGCTTAAA
FokI (N=14)		ND1 (N=17)	
(Reference)	ACGATCTTC-----ACTCTGAGAGATGGA	(Reference)	ACGATCTTCAA-----GAGAGAGATGGC
wt 3/14	CAGCCACCATCTTC-----ACTCTGAGAGATGGAAGGT	wt 2/17	ACCTTACCATCTTCAA-----GAGAGAGATGGCTTAAA
+1 1/14	CAGCCACCATCTTCAA-----ACTCTGAGAGATGGAAGGT	+2 6/17	ACCTTACCATCTTCAA--GAGAGAGAGATGGCTTAAA
+2/Δ1 2/14	CAGCCACCATCTTCACT--CTCTGAGAGATGGAAGGT	+4 3/17	ACCTTACCATCTTCAAGAGAGAGAGATGGCTTAAA
+4 8/14	CAGCCACCATCTTCAGTCACTCTGAGAGATGGAAGGT	Δ2 2/17	ACCTTACCATCTTCAA-----TAGAGATGGCTTAAA
Δ3 1/14	CAGCCACCATCTTC-----TCTGAGAGATGGAAGGT	Δ4 2/17	ACCTTACCATCTTCAA-----ACAGAGATGGCTTAAA
Δ8 1/14	CAGCC-----C-----ACTCTGAGAGATGGAAGGT		
ND2 (N=13)		ND2 (N=16)	
(Reference)	ACGATCTTCACATCT--GAGAGATGGA	(Reference)	ACGATCTTCAA-----GAGAGAGATGGC
wt 9/13	CAGCCACCATCTTCAGTCT--GAGAGATGGAAGGT	wt 7/16	ACCTTACCATCTTCAA-----GAGAGAGATGGCTTAAA
+1 1/13	CAGCCACCATCTTCATCT--TGAAGATGGAAGGT	+1 1/16	ACCTTACCATCTTCAA-----AGAGAGAGATGGCTTAAA
+2 1/13	CAGCCACCATCTTCATCTCTGAGAGATGGAAGGT	+2 2/16	ACCTTACCATCTTCAA-----GAGAGAGAGATGGCTTAAA
Δ2 1/13	CAGCCACCATCTTC--TCT--GAGAGATGGAAGGT	+4 5/16	ACCTTACCATCTTCAA-----GAGAGAGAGATGGCTTAAA
Δ4 1/13	CAGCCACCATCTT-----TCT--GAGAGATGGAAGGT	+71 1/16	ACCTTACCATCTTCAA(70bp)GAGAGAGAGATGGCTTAAA
ND3 (N=15)		ND3 (N=16)	
(Reference)	ACGATCTTCACATCTTGAGATGGA	(Reference)	ACGATCTTCAA-----GAGAGAGATGGC
wt 15/15	CAGCCACCATCTTCACATCTGAGAGATGGAAGGT	wt 13/16	ACCTTACCATCTTCAA-----GAGAGATGGCTTAAA
		+2 1/16	ACCTTACCATCTTCAGAGAGAGAGAGATGGCTTAAA
		Δ2 1/16	ACCTTACCATCTTCAA-----GAGAGATGGCTTAAA
		Δ8 1/16	ACCTTACCATCTC-----AGTGGCTTAAA
ND4 (N=16)		ND4 (N=14)	
(Reference)	ACGATCTTCACATCTTGAGATGGA	(Reference)	ACGATCTTCAGAGAGAGATGGC
wt 16/16	CAGCCACCATCTTCACATCTTGAGATGGAAGGT	wt 14/14	CAGCCACCATCTTCAGAGAGAGATGGCTTAAA

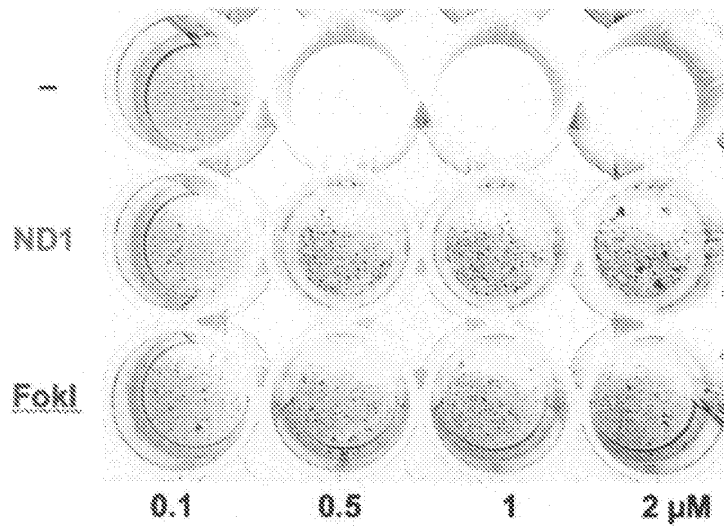
[図11A]



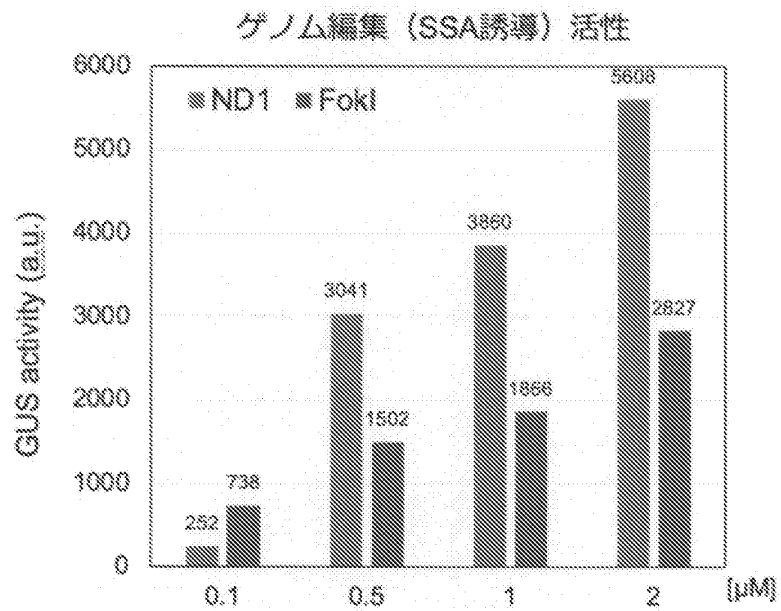
[図11B]



[図12A]



[図12B]



[図13]

