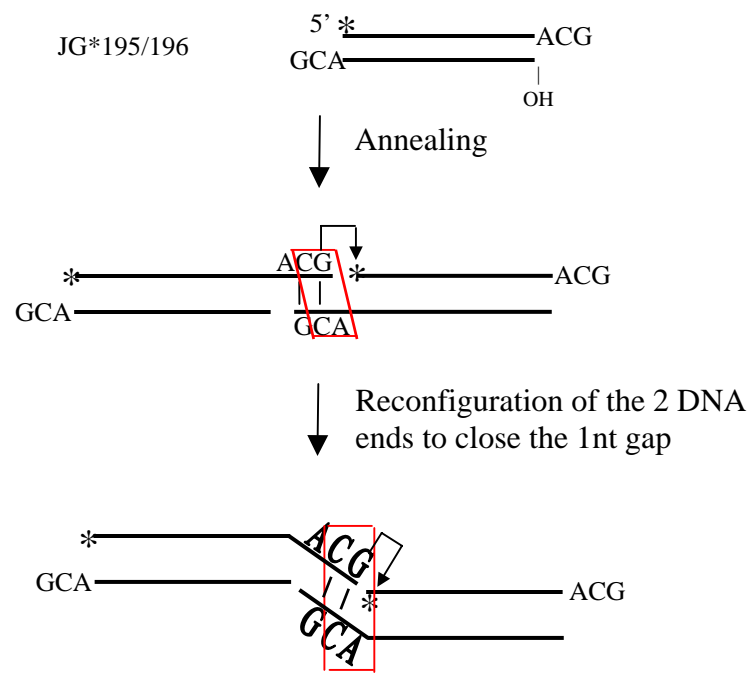
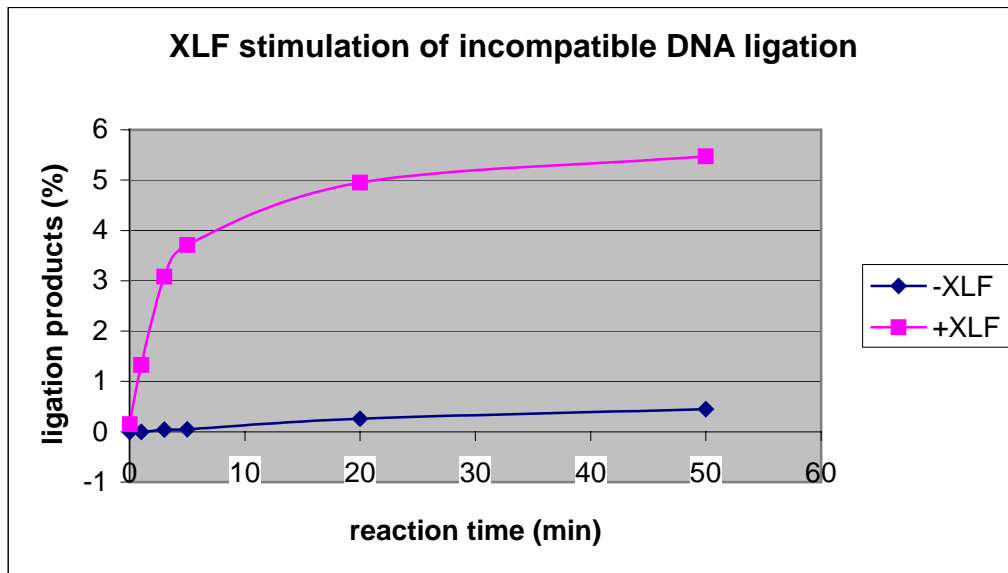


C.

Ligation efficiency as a function of DNA sequence				
Lane No.	Substrate	-XLF	+XLF	Fold Stimulation
1,2	JG*195/196	0.68%	2.1%	3.1
3,4	JG*196/195	0.27%	0.43%	1.6
5,6	JG*197/198	3.6%	14%	3.9
7,8	JG*198/197	1.3%	8.8%	6.8
9,10	JG*197/166	3.7%	9.6%	2.6
11,12	JG*166/197	1.1%	15%	14
13,14	JG*163/198	14%	25%	1.8
15,16	JG*198/163	1.4%	3.7%	2.6



Suppl. Fig. 2



Suppl. Fig. 3

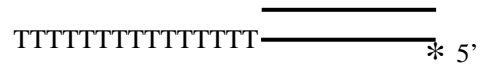
A.

JG169: TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 30mer

YM145: TTTTTTTTTTTTTTTTTTTTTT 20mer

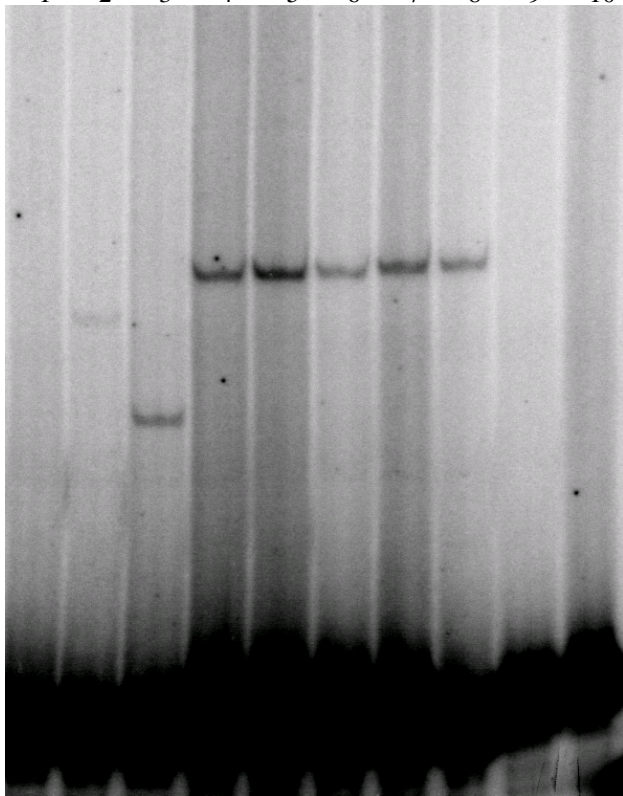
YM*130/YM68

YM*149/YM68



B.

X4/LIV	+	+	+	+	+	+	+	+	+	+
Ku	-	-	-	-	+	-	+	-	-	-
XLF	-	-	-	-	-	+	+	-	-	-
	1	2	3	4	5	6	7	8	9	10



Lane No.	Substrate	Lane No.	Substrate
1	YM*130/YM68	6	YM*130/YM68 + YM*149/YM68
2	YM*130/YM68 + JG169	7	YM*130/YM68 + YM*149/YM68
3	YM*130/YM68 + YM145	8	YM*130/YM68 + YM149/YM68
4	YM*130/YM68 + YM*149/YM68	9	YM*149/YM68
5	YM*130/YM68 + YM*149/YM68	10	YM*149/YM68 + YM130/YM68

Suppl. Fig. 4