Figure 1

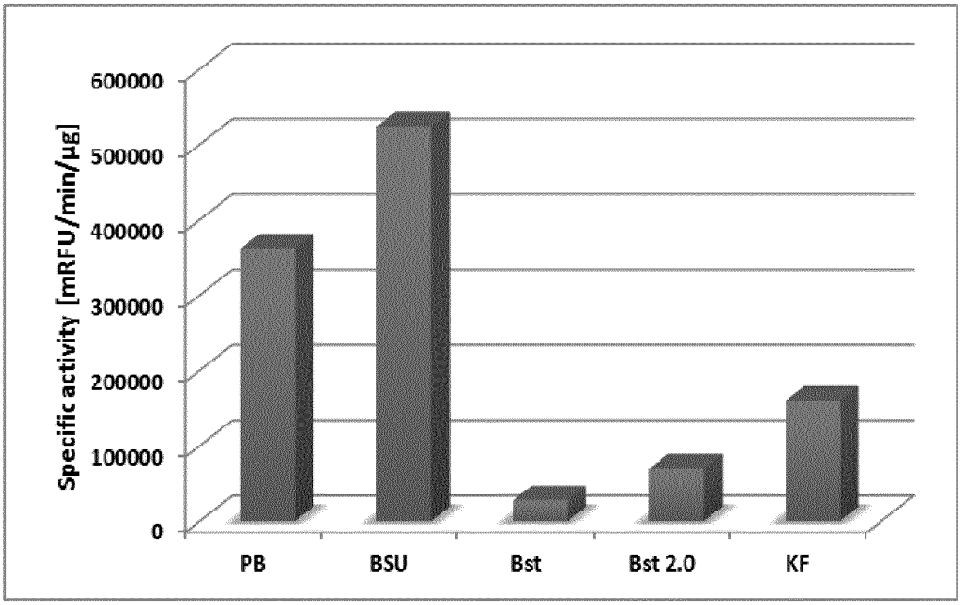

Specific activity [mRFU/min/µg]
600000
500000
400000
300000
200000
100000
0
PB
BSU
Bst
Bst 2.0
KF

Figure 2

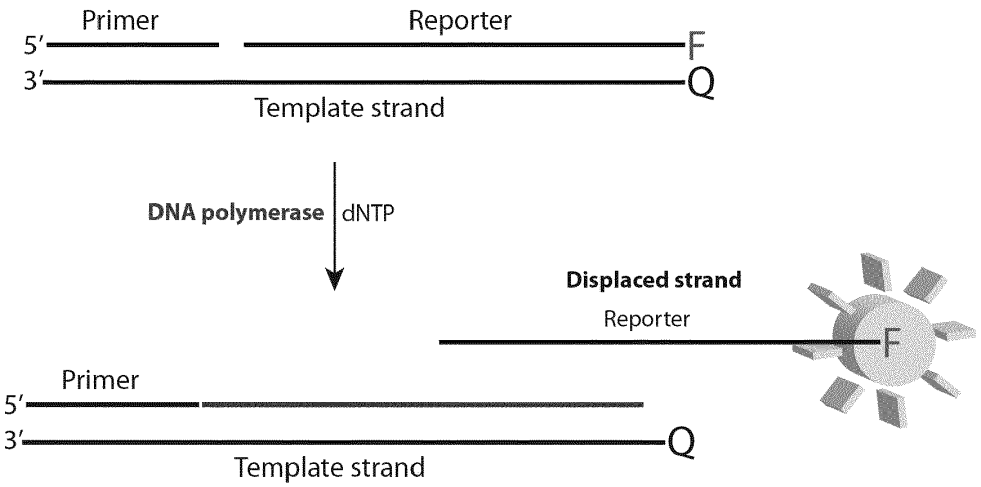

Primer
Reporter
5′
3′
F
Q
Template strand
DNA polymerase
dNTP
Displaced strand
Reporter
F
Primer
5′
3′
Q
Template strand

Figure 3

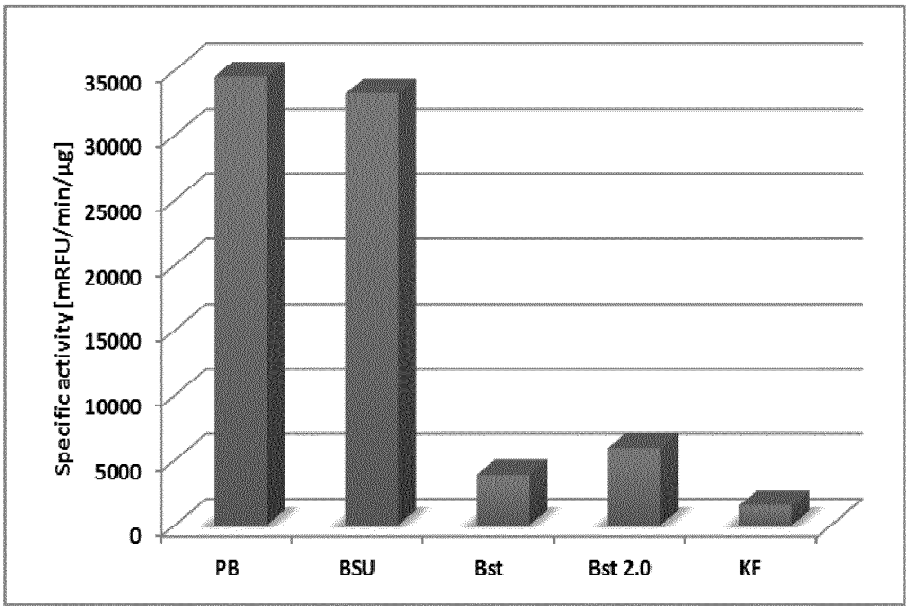

Specific activity [mRFU/min/µg]
35000
30000
25000
20000
15000
10000
5000
0
PB
BSU
Bst
Bst 2.0
KF

Figure 4

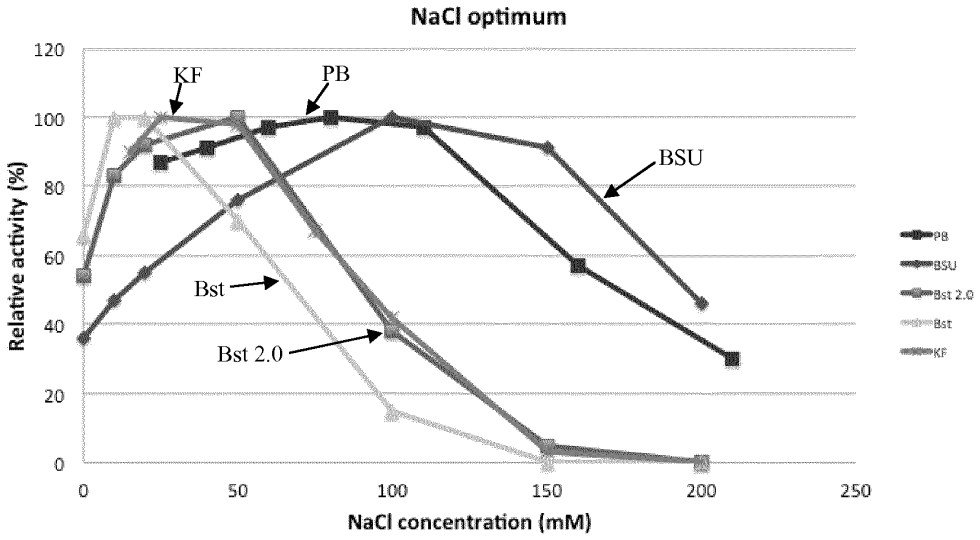

NaCl optimum
Relative activity (%)
NaCl concentration (mM)
KF
PB
BSU
Bst
Bst 2.0
0
20
40
60
80
100
120
0
50
100
150
200
250
PB
BSU
Bst 2.0
Bst
KF

Figure 5

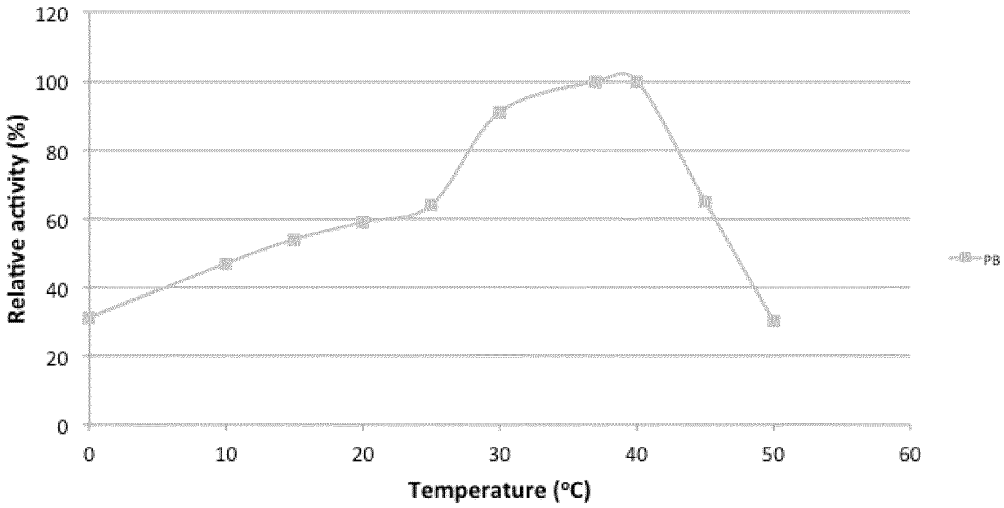

120
100
80
60
40
20
0
Relative activity (%)
0
10
20
30
40
50
60
Temperature (°C)
PB

Figure 6

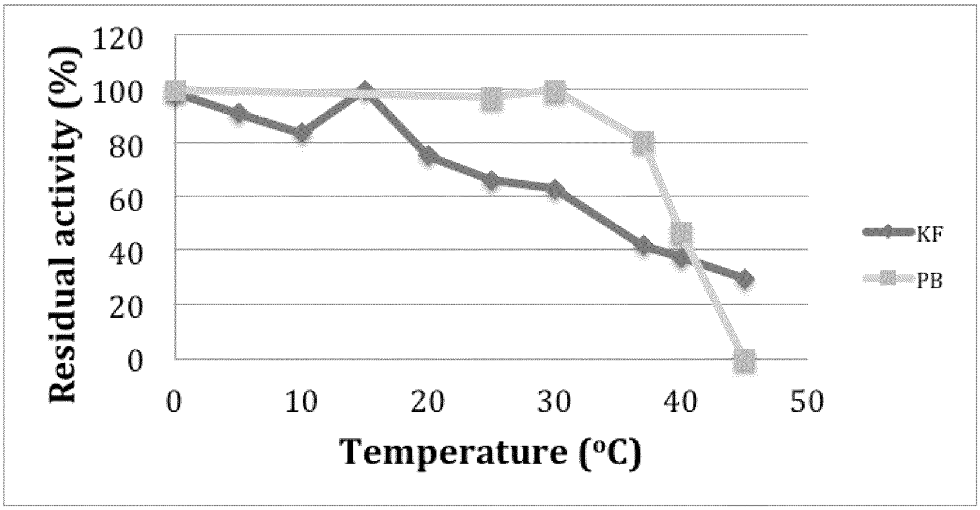

Residual activity (%)
120
100
80
60
40
20
0
0
10
20
30
40
50
Temperature (°C)
KF
PB

Figure 7

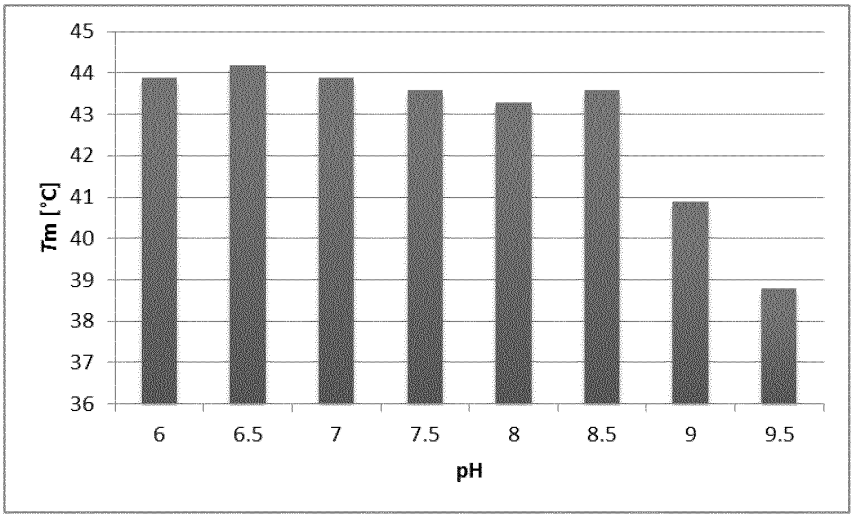
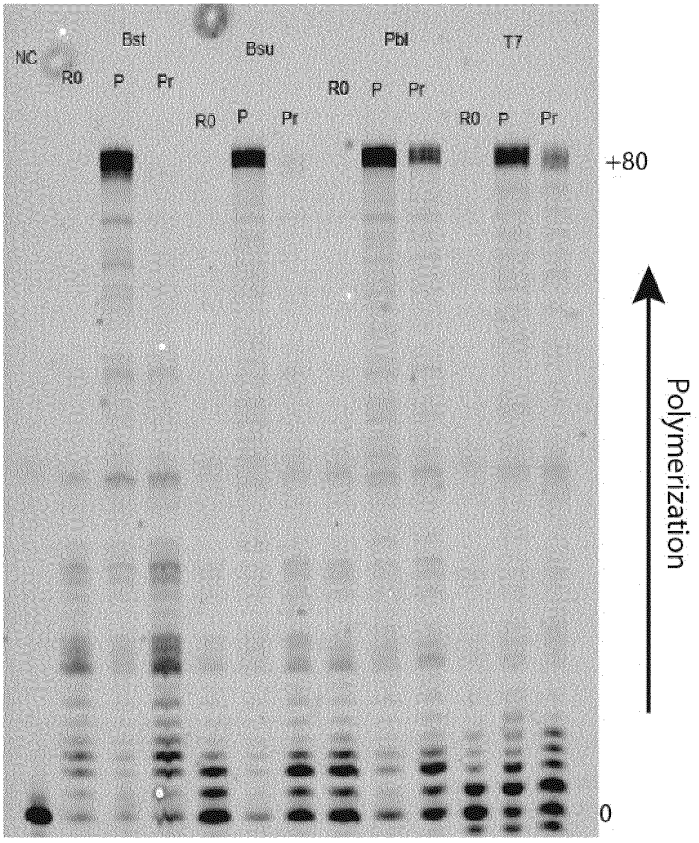


Figure 8


NC
Bst
R0
P
Pr
Bsu
R0
P
Pr
Pbl
R0
P
Pr
T7
R0
P
Pr
+80
Polymerization
0