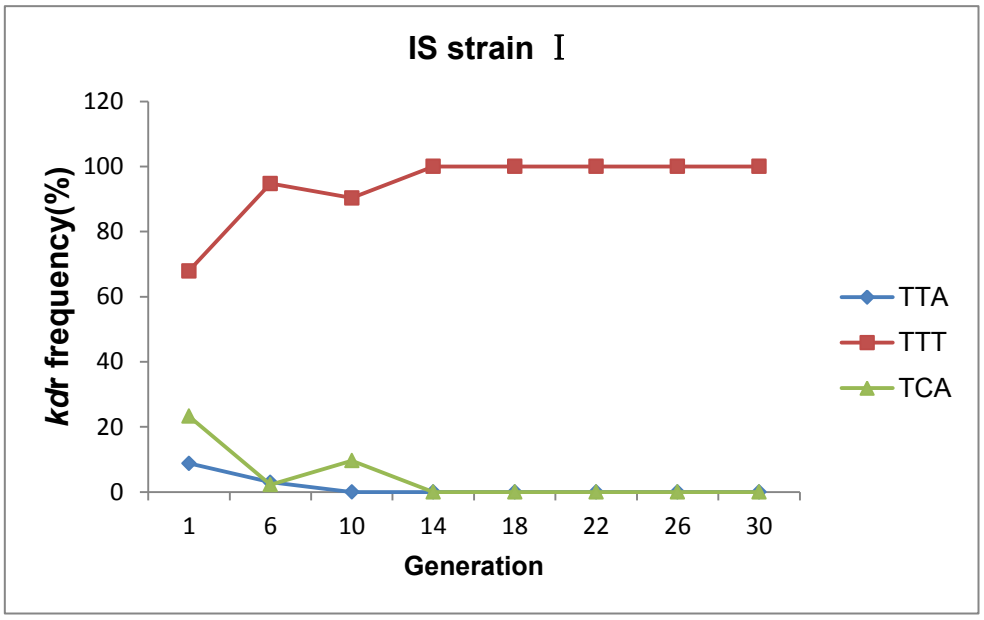
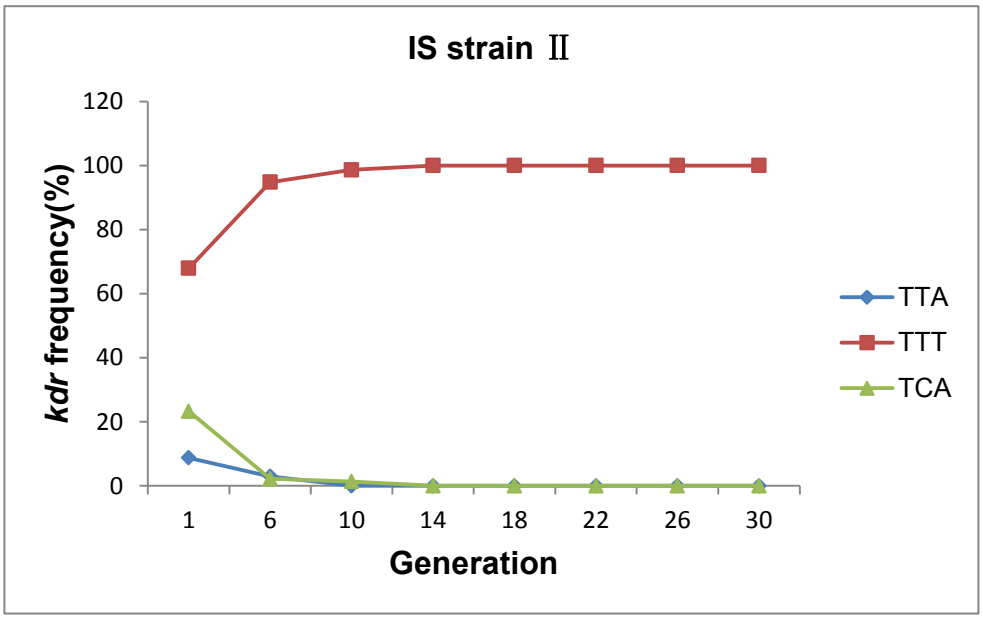
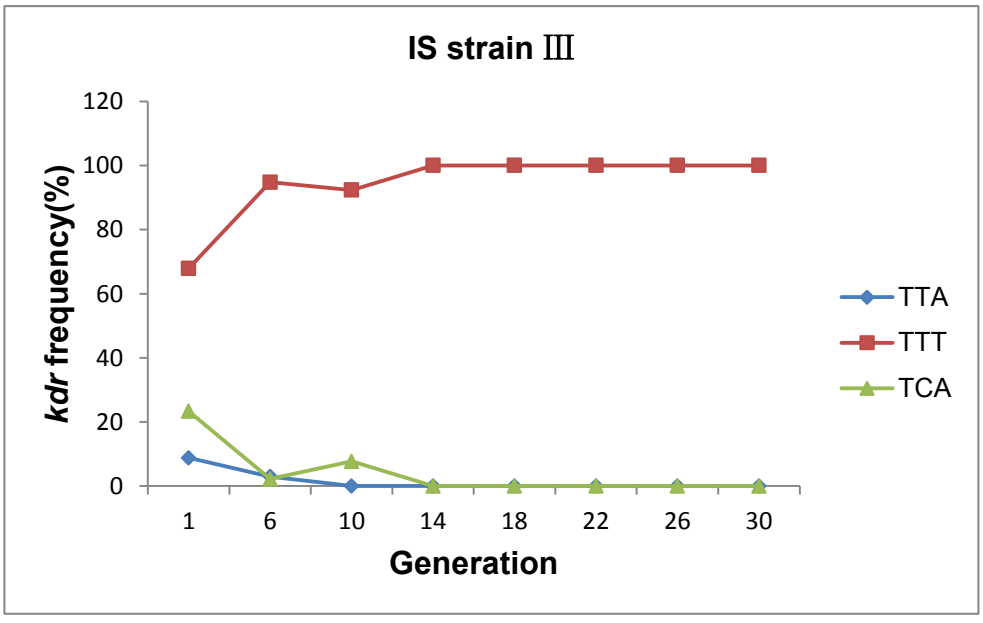
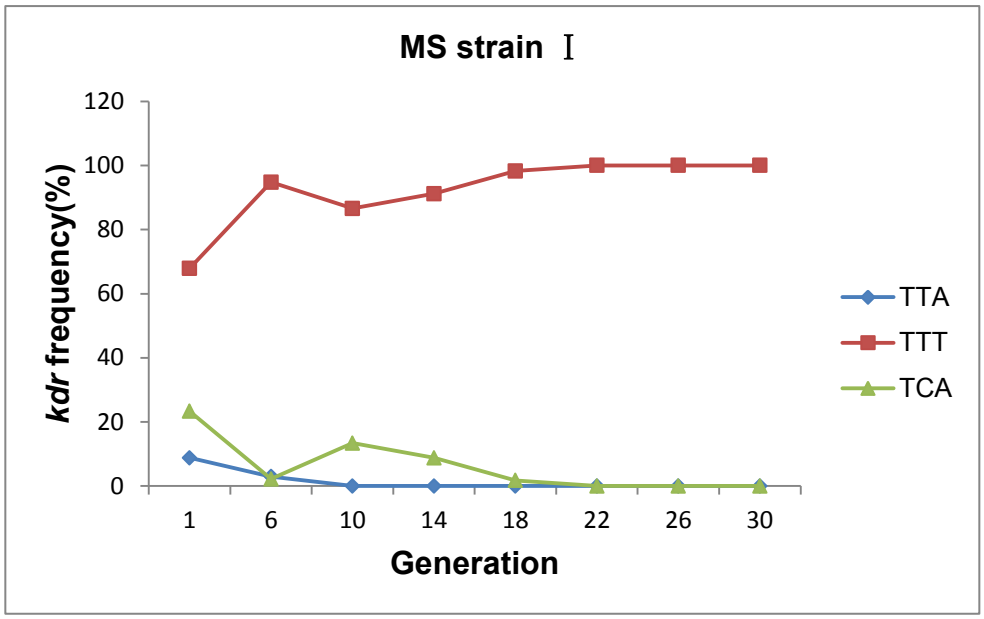
（A）

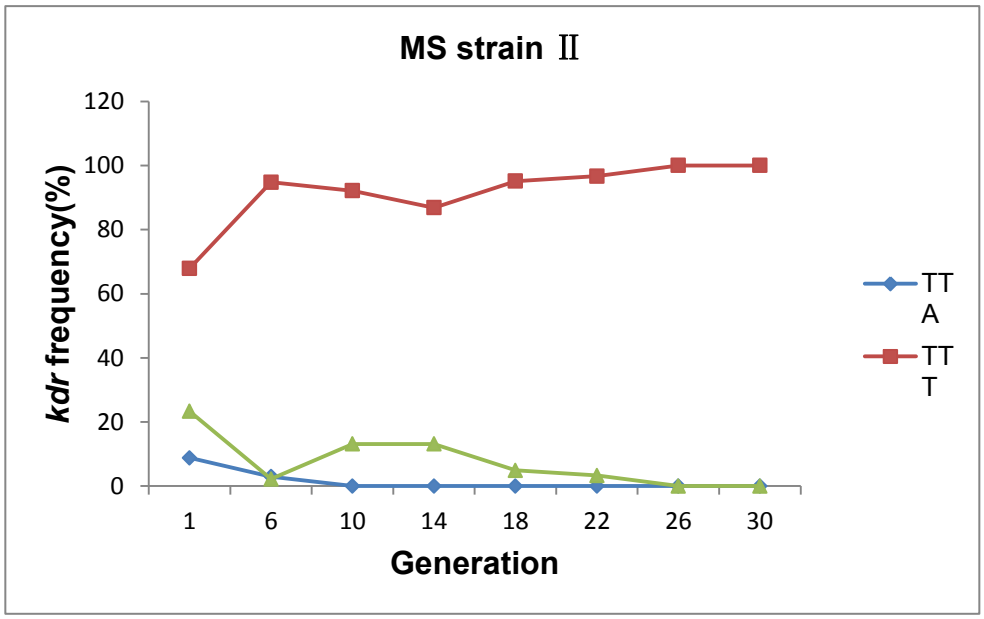

IS strain Ⅰ
kdr frequency(%)
120
100
80
60
40
20
0
1
6
10
14
18
22
26
30
Generation
TTA
TTT
TCA

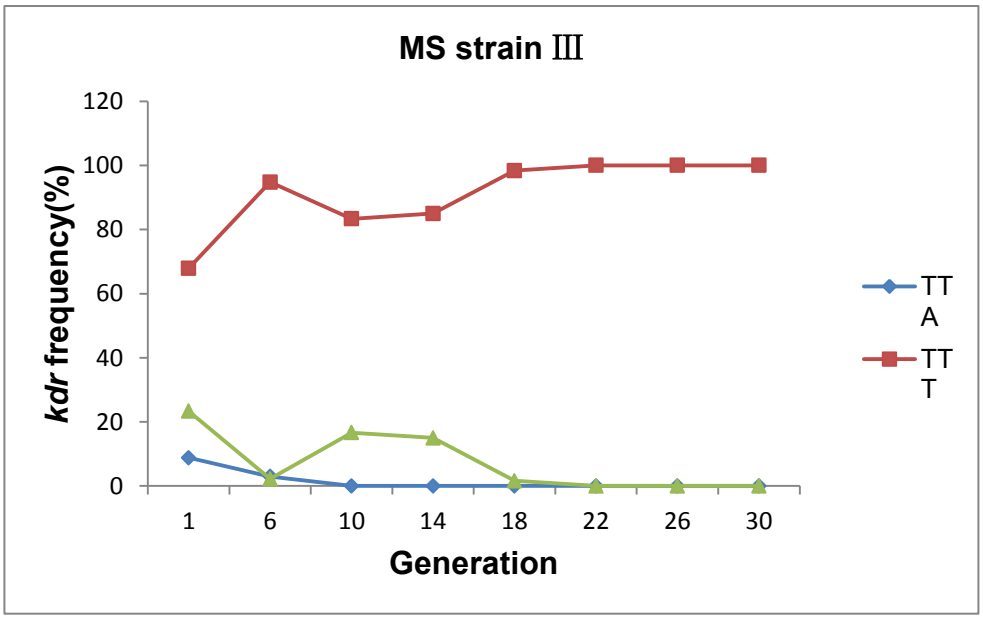

IS strain Ⅱ
kdr frequency(%)
120
100
80
60
40
20
0
1
6
10
14
18
22
26
30
Generation
TTA
TTT
TCA


IS strain Ⅲ
kdr frequency(%)
120
100
80
60
40
20
0
1
6
10
14
18
22
26
30
Generation
TTA
TTT
TCA

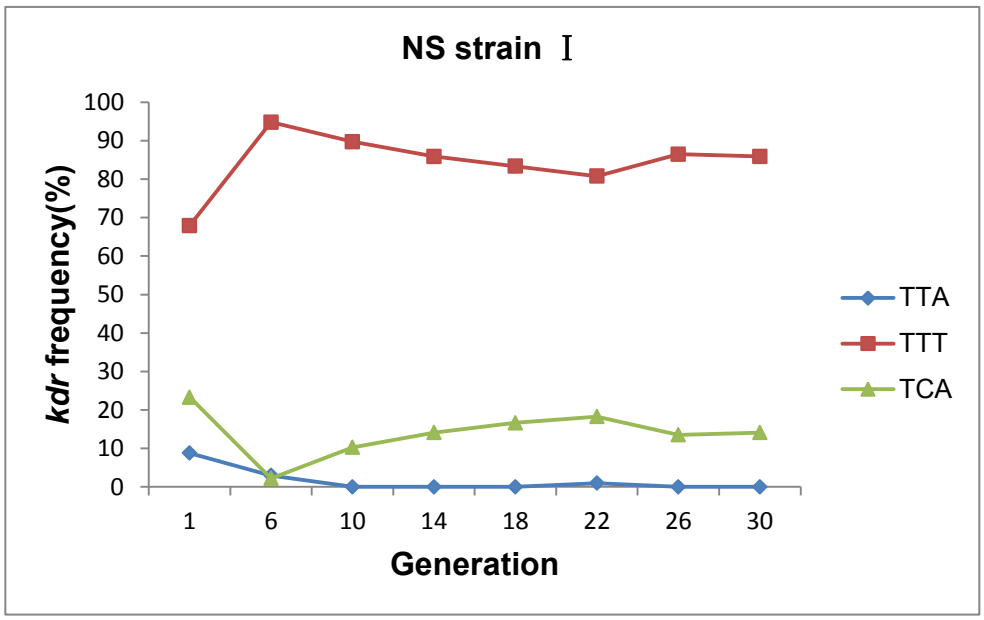
（B）

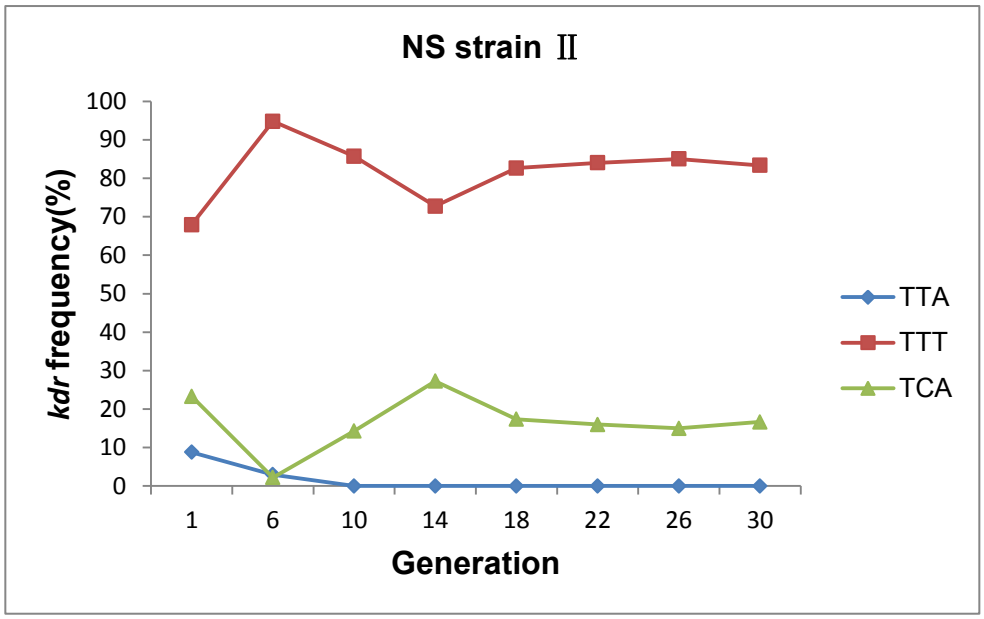

MS strain Ⅰ
kdr frequency(%)
120
100
80
60
40
20
0
1
6
10
14
18
22
26
30
Generation
TTA
TTT
TCA

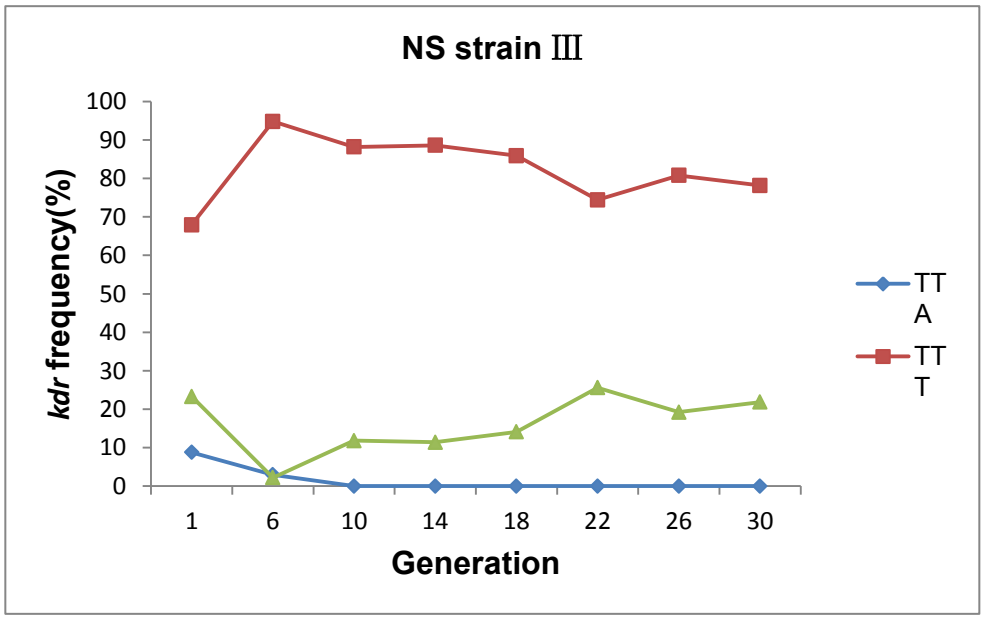

MS strain Ⅱ
kdr frequency(%)
120
100
80
60
40
20
0
1
6
10
14
18
22
26
30
Generation
TT
A
TT
T


MS strain Ⅲ
kdr frequency(%)
120
100
80
60
40
20
0
1
6
10
14
18
22
26
30
Generation
TT
A
TT
T

（C）


NS strain Ⅰ
kdr frequency(%)
100
90
80
70
60
50
40
30
20
10
0
1
6
10
14
18
22
26
30
Generation
TTA
TTT
TCA


NS strain Ⅱ
kdr frequency(%)
100
90
80
70
60
50
40
30
20
10
0
1
6
10
14
18
22
26
30
Generation
TTA
TTT
TCA


NS strain Ⅲ
kdr frequency(%)
100
90
80
70
60
50
40
30
20
10
0
1
6
10
14
18
22
26
30
Generation
TT
A
TT
T