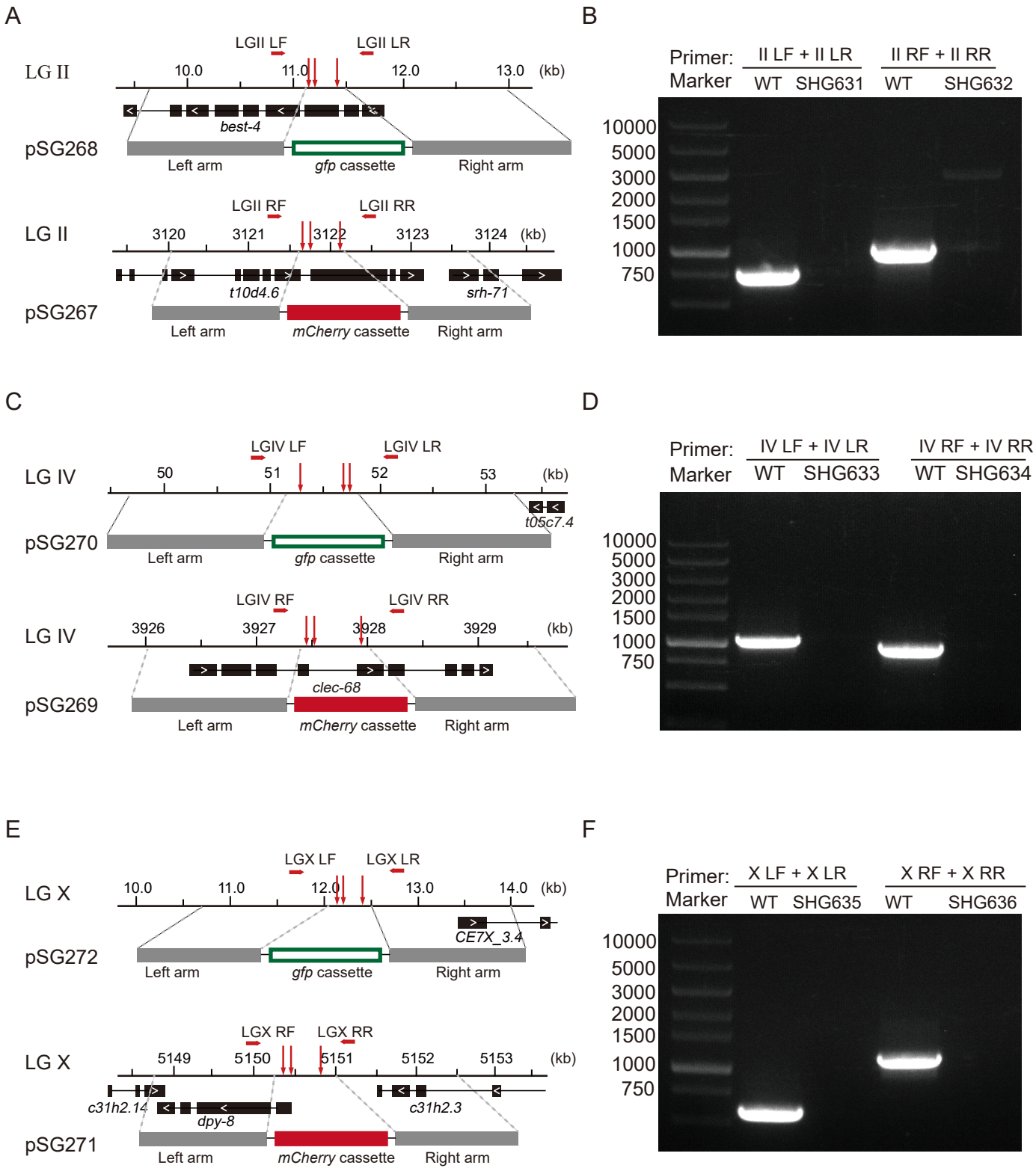

A
LGII LF
LGII LR
LG II
10.0
11.0
12.0
13.0
(kb)
best-4
pSG268
Left arm
gfp cassette
Right arm
LGII RF
LGII RR
LG II
3120
3121
3122
3123
3124
(kb)
t10d4.6
srh-71
pSG267
Left arm
mCherry cassette
Right arm
B
Primer:
Marker
II LF + II LR
II RF + II RR
WT
SHG631
WT
SHG632
10000
5000
3000
2000
1500
1000
750
C
LGIV LF
LGIV LR
LG IV
50
51
52
53
(kb)
t05c7.4
pSG270
Left arm
gfp cassette
Right arm
LGIV RF
LGIV RR
LG IV
3926
3927
3928
3929
(kb)
clec-68
pSG269
Left arm
mCherry cassette
Right arm
D
Primer:
Marker
IV LF + IV LR
IV RF + IV RR
WT
SHG633
WT
SHG634
10000
5000
3000
2000
1500
1000
750
E
LGX LF
LGX LR
LG X
10.0
11.0
12.0
13.0
14.0
(kb)
CE7X_3.4
pSG272
Left arm
gfp cassette
Right arm
LGX RF
LGX RR
LG X
5149
5150
5151
5152
5153
(kb)
c31h2.14
dpy-8
c31h2.3
pSG271
Left arm
mCherry cassette
Right arm
F
Primer:
Marker
X LF + X LR
X RF + X RR
WT
SHG635
WT
SHG636
10000
5000
3000
2000
1500
1000
750

Figure S3