A
ligation
Genomic
Common
3C (off-target)
S. cerevisiae
chrXIII
variants
3C (pairing)
S. uvarum
chrXIII
restriction site
B
3C
Genomic
Relative coverage
0.004
0.002
0.000
0
250
500
750
1000
Position (bp)
C
3C
Genomic
Relative coverage
0.004
0.002
0.000
0
250
500
750
1000
Position (bp)
D
WT
Error-prone PCR
Fraction of reads
0.75
0.50
0.25
0.00
Indels
0
≥ 1
0
5
10
15
Mutations
E
Number of positions
30
20
10
0
−2
−1
0
Log2 3C/Genomic
F
Log2 3C/Genomic
2
1
0
−1
−2
−3
460
485
510
535
560
585
610
635
660
Position (bp)