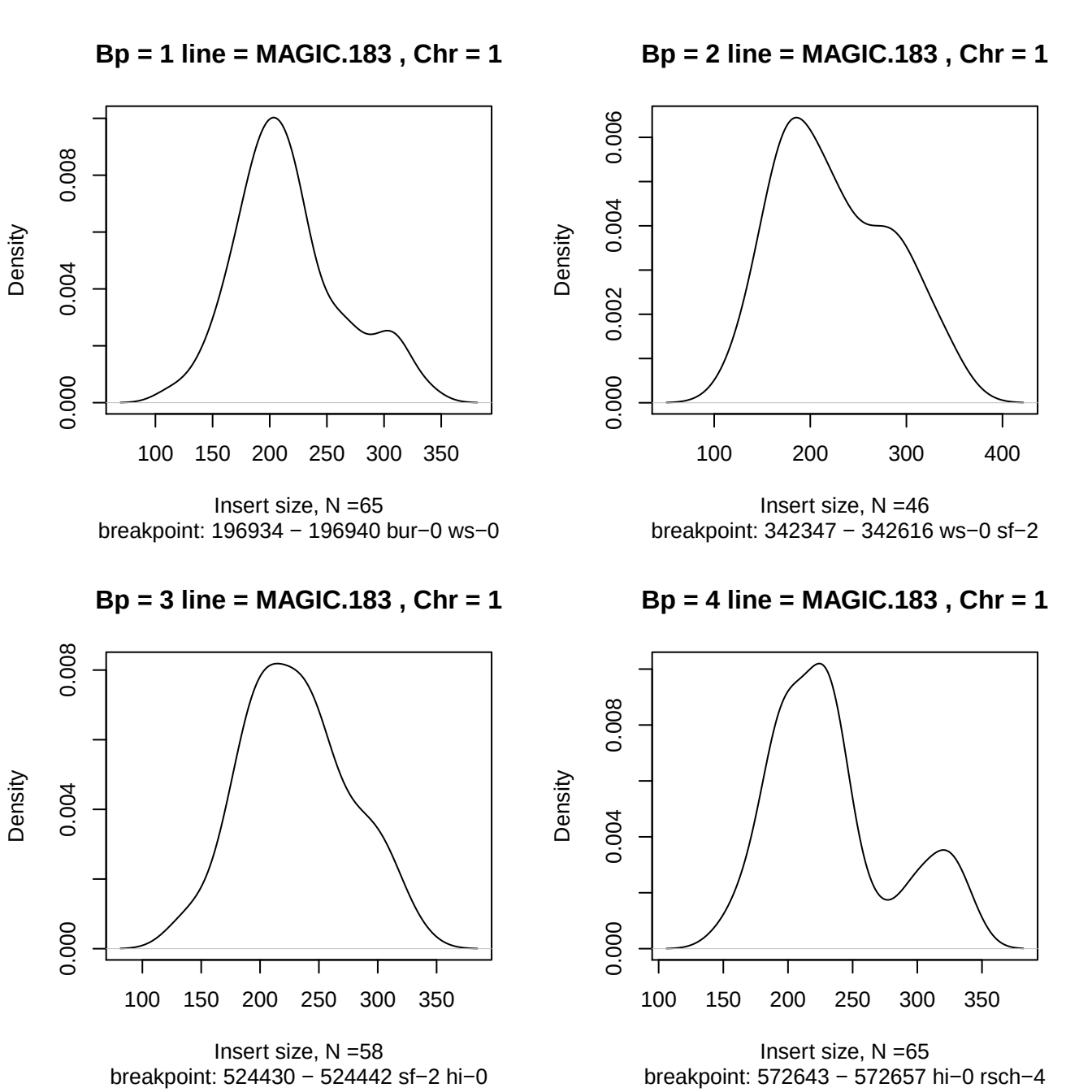
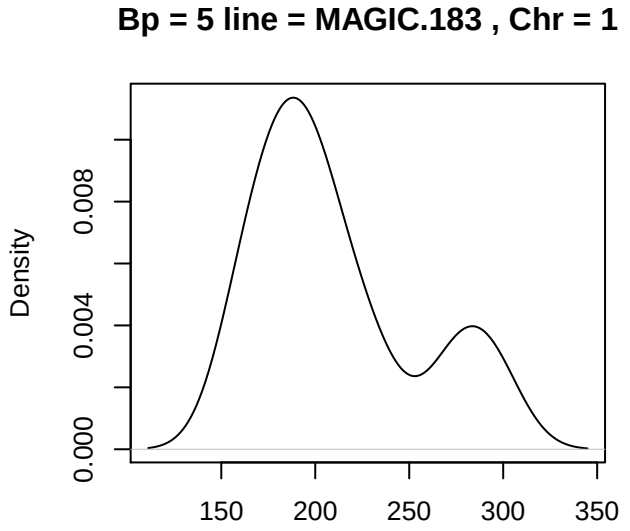
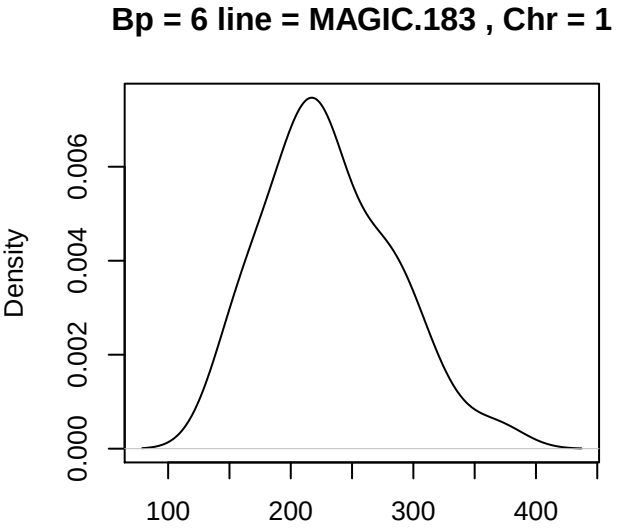
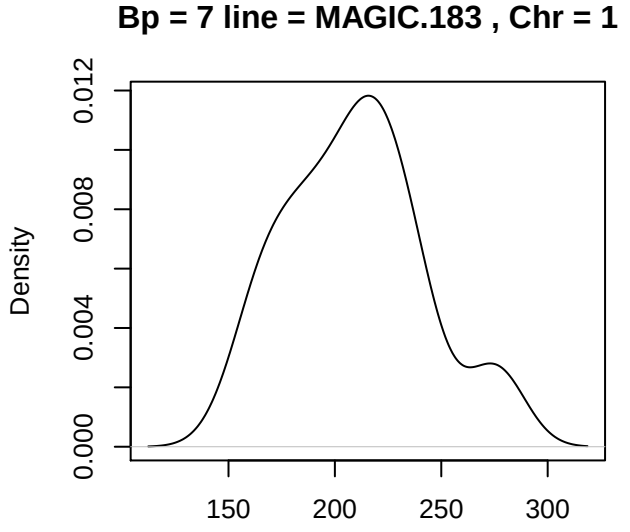
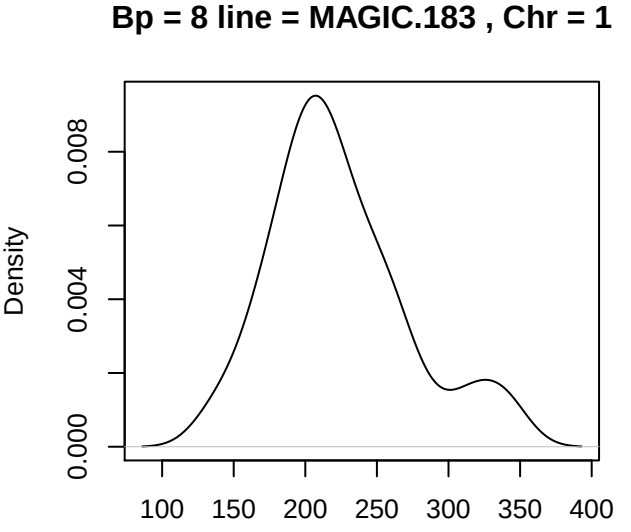
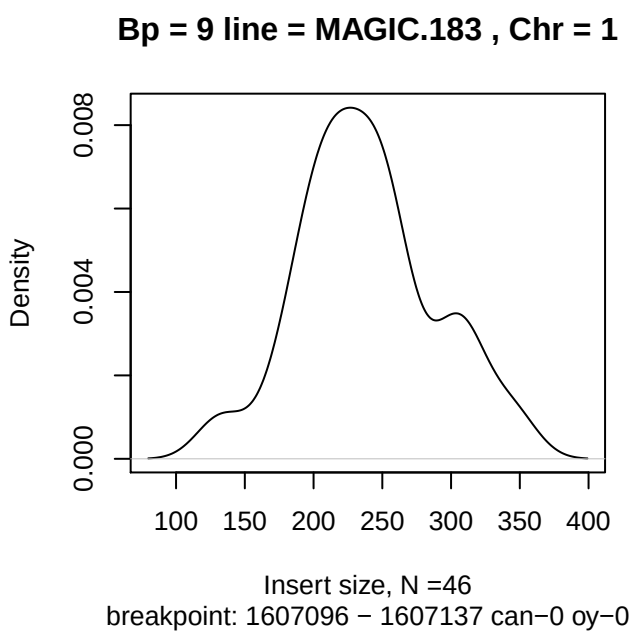

Bp = 1 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =65
breakpoint: 196934 − 196940 bur−0 ws−0
Bp = 2 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =46
breakpoint: 342347 − 342616 ws−0 sf−2
Bp = 3 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =58
breakpoint: 524430 − 524442 sf−2 hi−0
Bp = 4 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =65
breakpoint: 572643 − 572657 hi−0 rsch−4

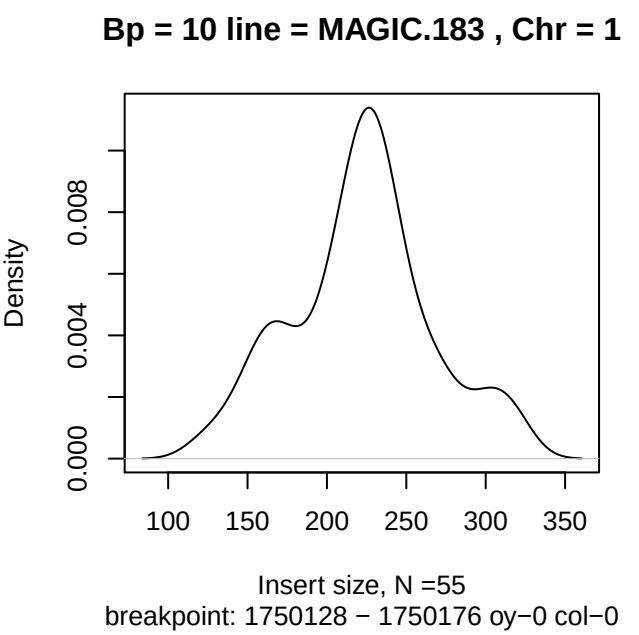

Bp = 5 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =10
breakpoint: 670446 − 670453 rsch−4 hi−0

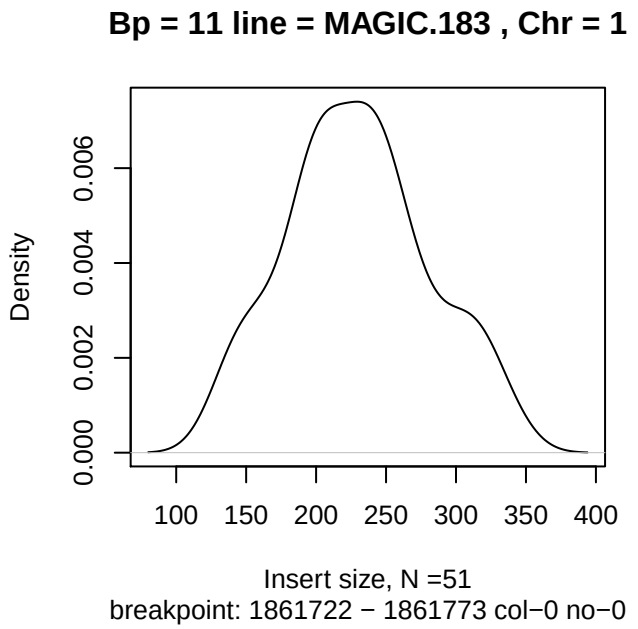

Bp = 6 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =35
breakpoint: 1003330 − 1003529 hi−0 edi−0

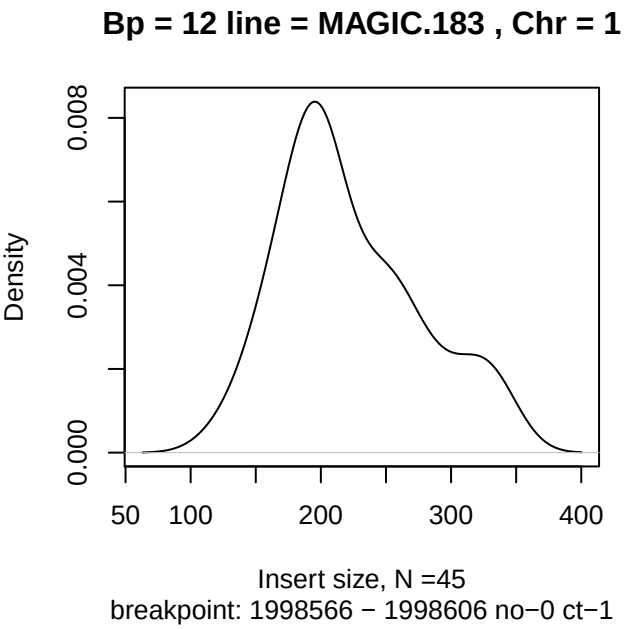

Bp = 7 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
150
200
250
300
Insert size, N =44
breakpoint: 1225287 − 1225411 edi−0 ws−0

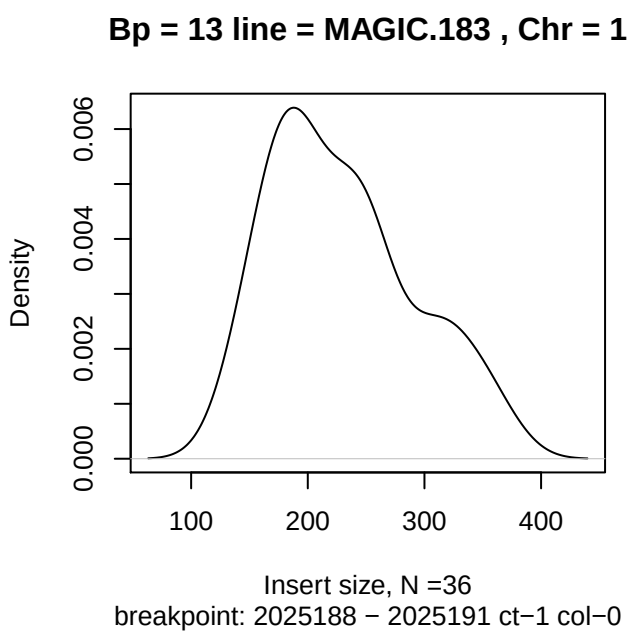

Bp = 8 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =49
breakpoint: 1497526 − 1497552 ws−0 can−0

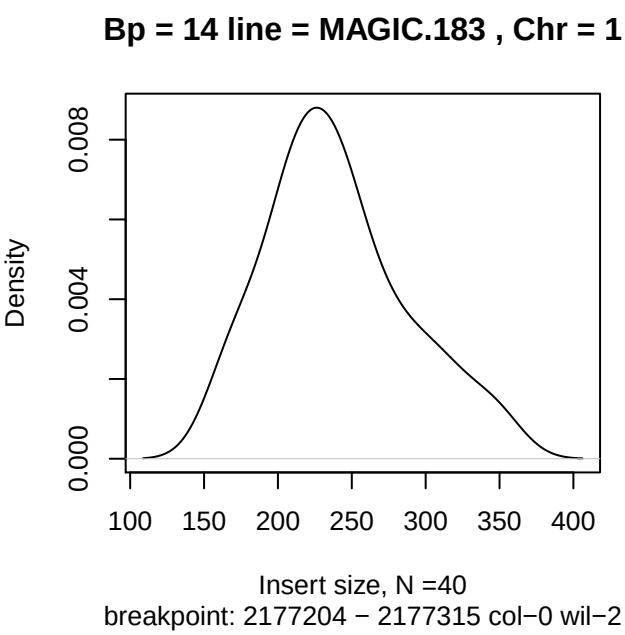

Bp = 9 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =46
breakpoint: 1607096 − 1607137 can−0 oy−0

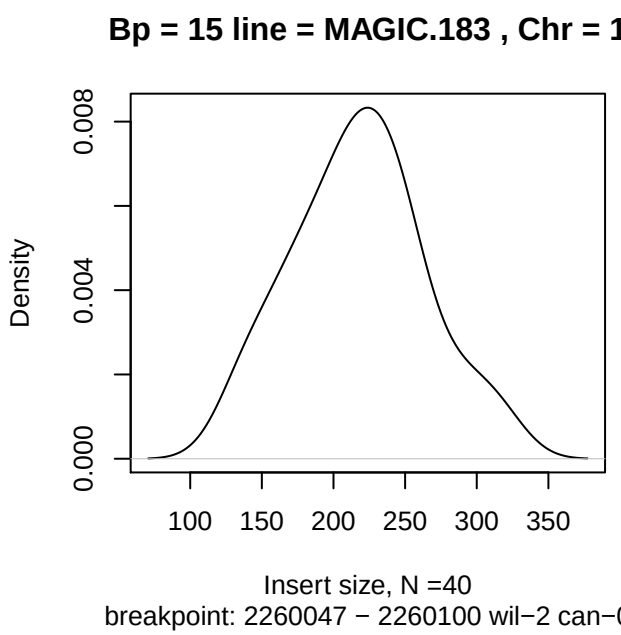

Bp = 10 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 1750128 − 1750176 oy−0 col−0

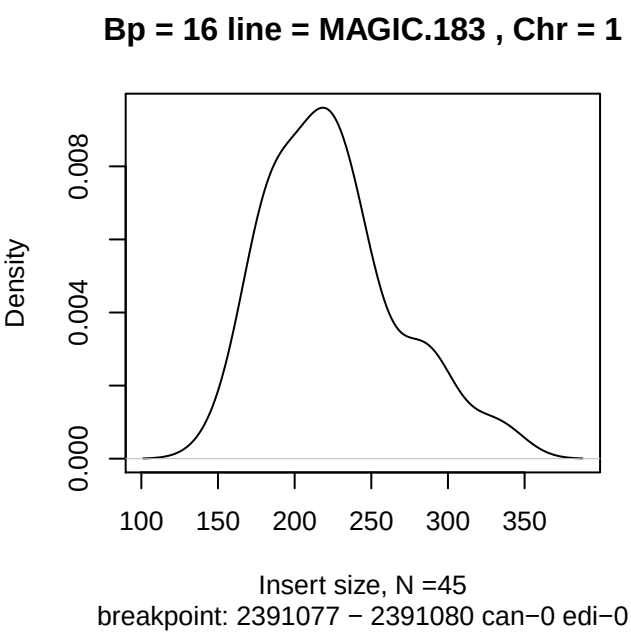

Bp = 11 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =51
breakpoint: 1861722 − 1861773 col−0 no−0

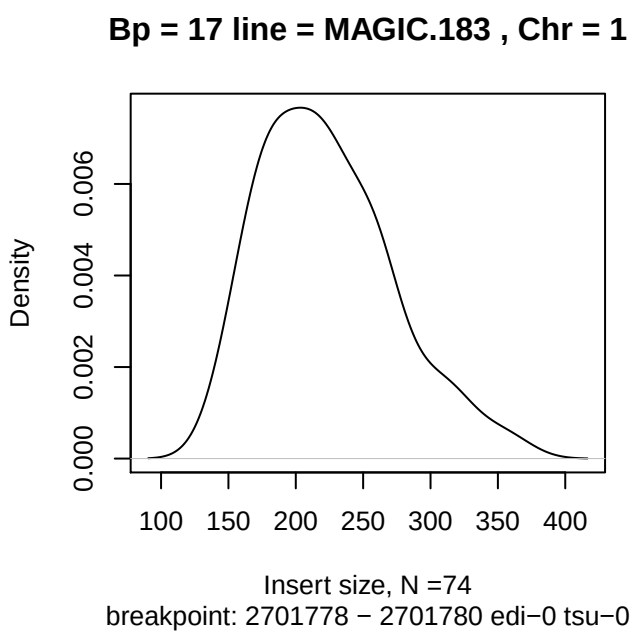

Bp = 12 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =45
breakpoint: 1998566 − 1998606 no−0 ct−1

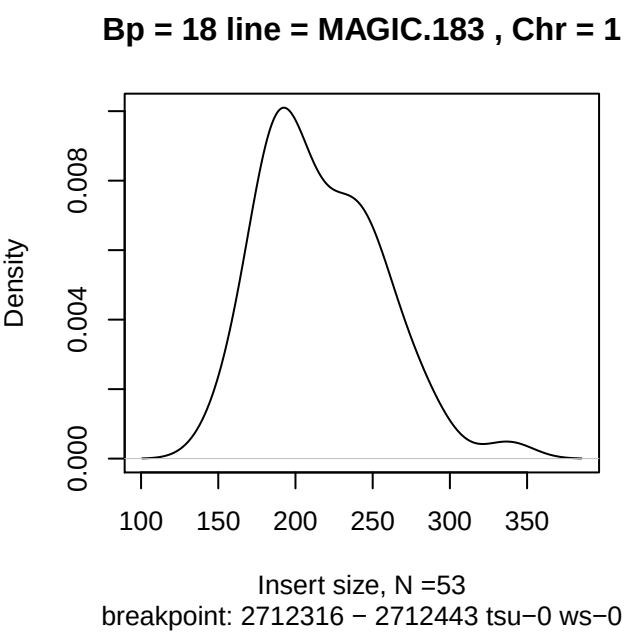

Bp = 13 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =36
breakpoint: 2025188 − 2025191 ct−1 col−0

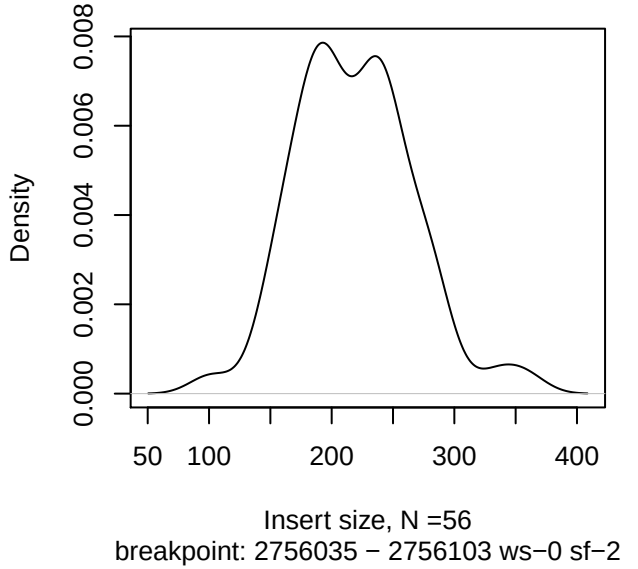

Bp = 14 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =40
breakpoint: 2177204 − 2177315 col−0 wil−2

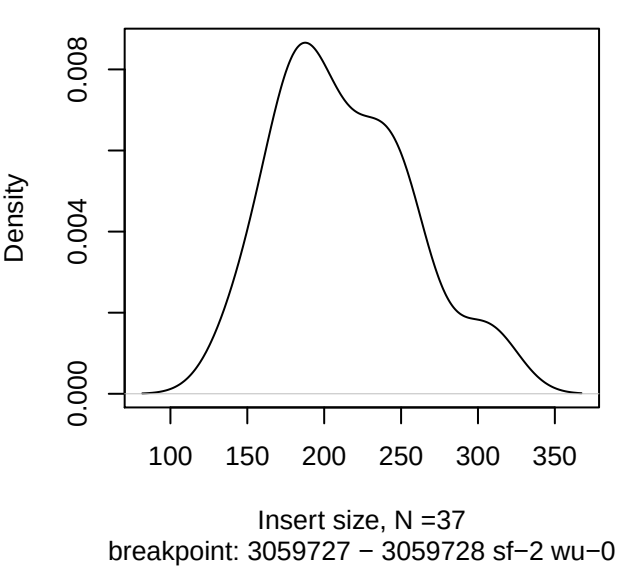

Bp = 15 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =40
breakpoint: 2260047 − 2260100 wil−2 can−0

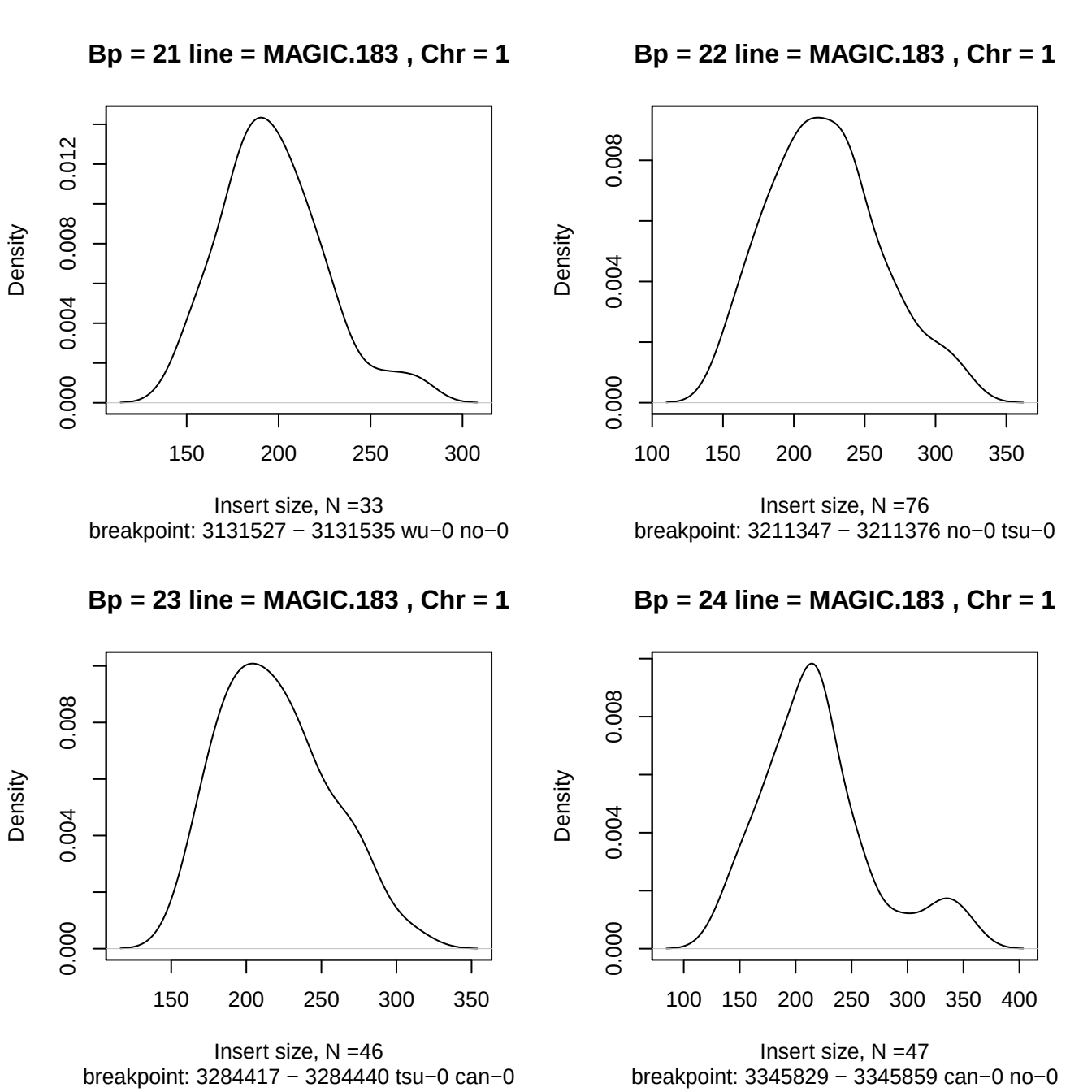

Bp = 16 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 2391077 − 2391080 can−0 edi−0

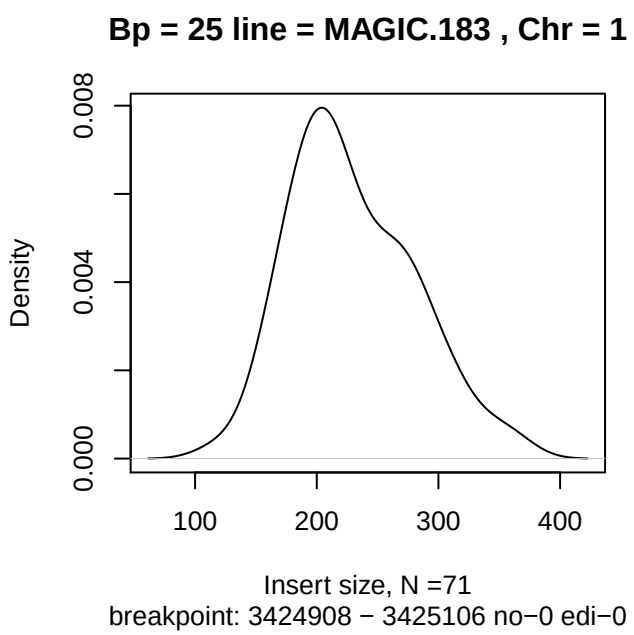

Bp = 17 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =74
breakpoint: 2701778 − 2701780 edi−0 tsu−0

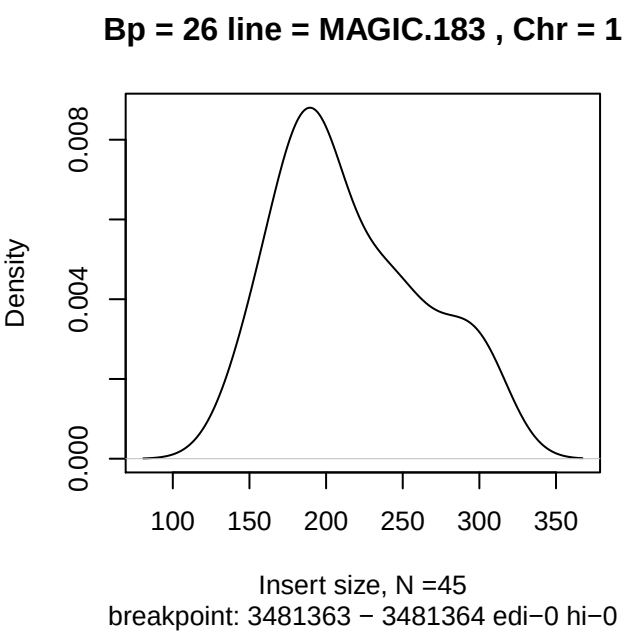

Bp = 18 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =53
breakpoint: 2712316 − 2712443 tsu−0 ws−0

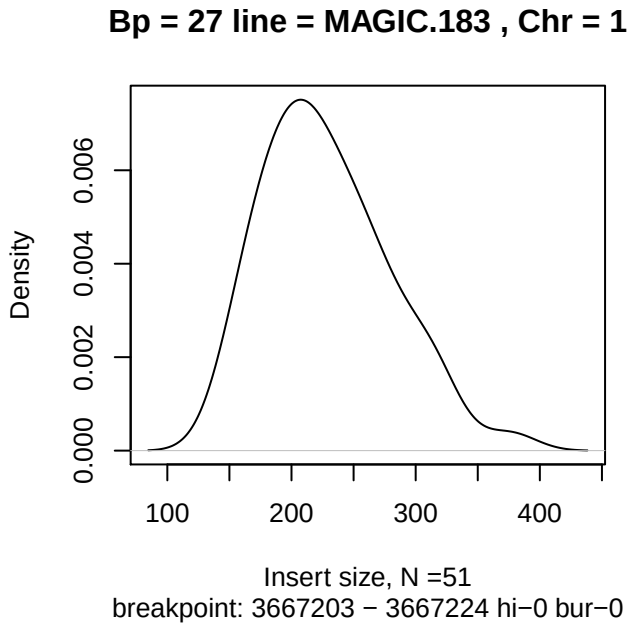

Bp = 19 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
50
100
200
300
400
Insert size, N =56
breakpoint: 2756035 − 2756103 ws−0 sf−2

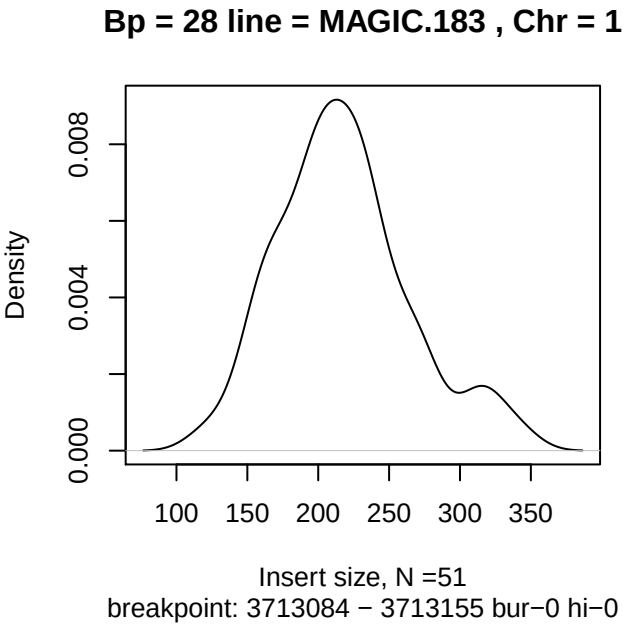

Bp = 20 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =37
breakpoint: 3059727 − 3059728 sf−2 wu−0

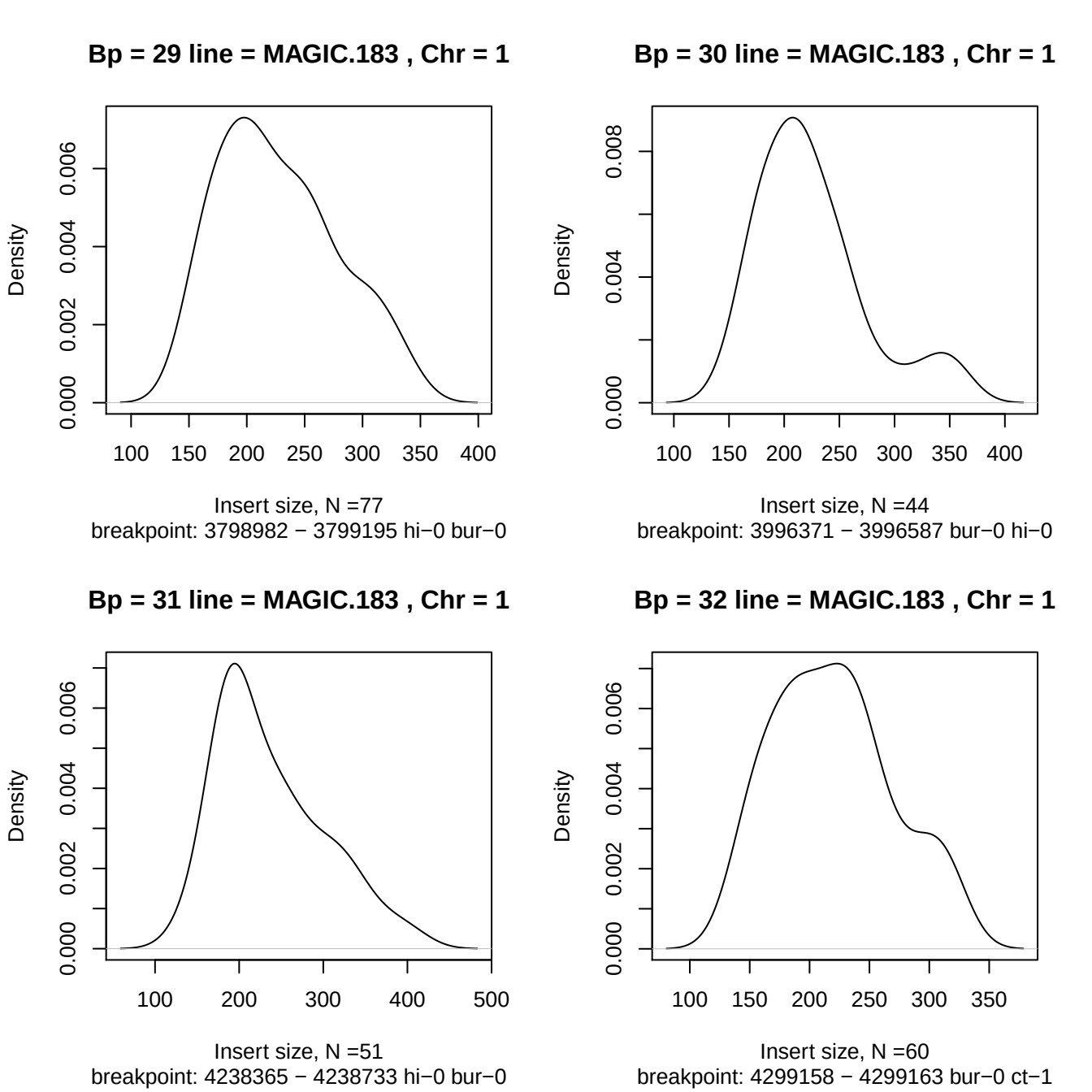

Bp = 21 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
150
200
250
300
Insert size, N =33
breakpoint: 3131527 − 3131535 wu−0 no−0
Bp = 22 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =76
breakpoint: 3211347 − 3211376 no−0 tsu−0
Bp = 23 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =46
breakpoint: 3284417 − 3284440 tsu−0 can−0
Bp = 24 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =47
breakpoint: 3345829 − 3345859 can−0 no−0

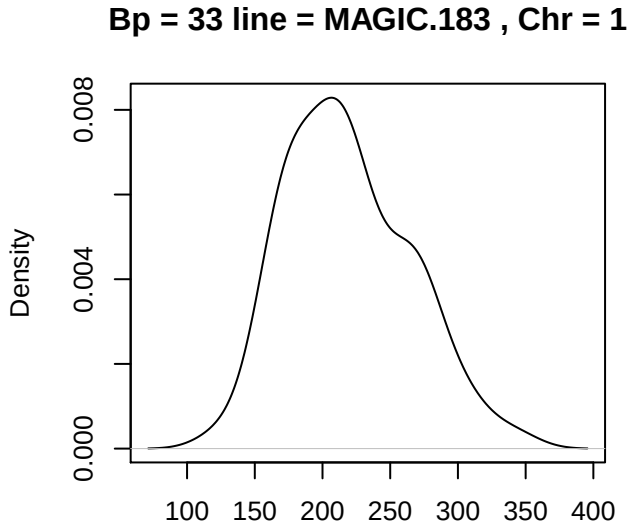

Bp = 25 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =71
breakpoint: 3424908 − 3425106 no−0 edi−0

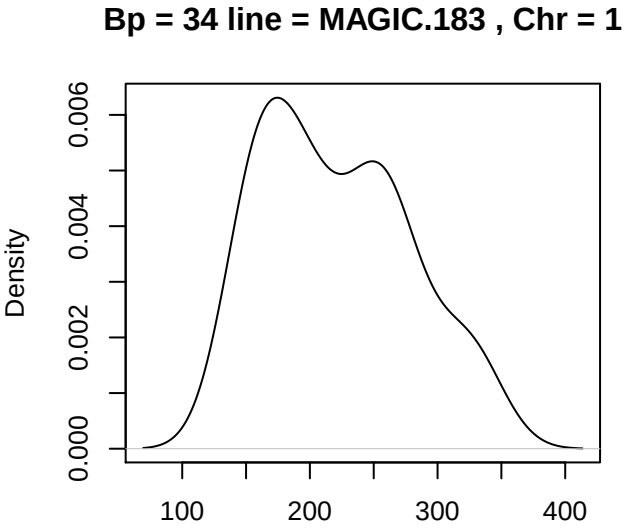

Bp = 26 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 3481363 − 3481364 edi−0 hi−0

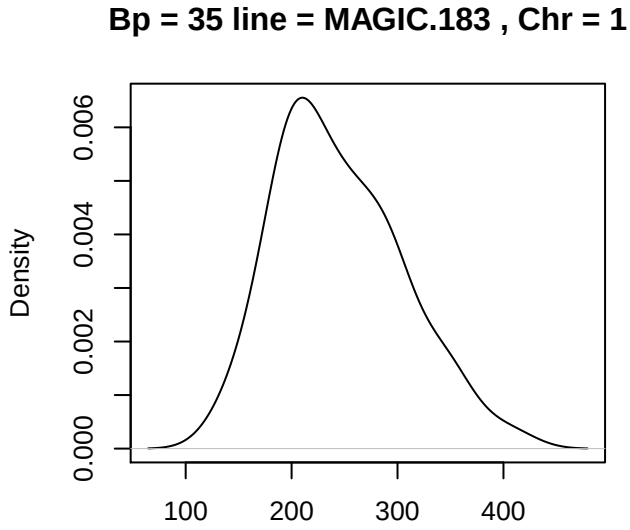

Bp = 27 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =51
breakpoint: 3667203 − 3667224 hi−0 bur−0

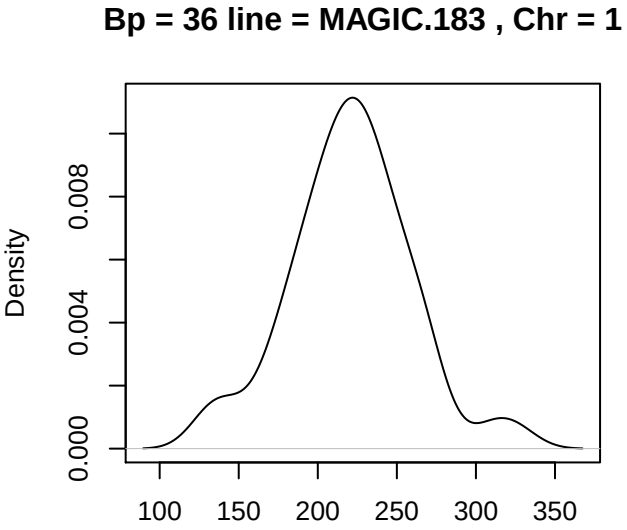

Bp = 28 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =51
breakpoint: 3713084 − 3713155 bur−0 hi−0

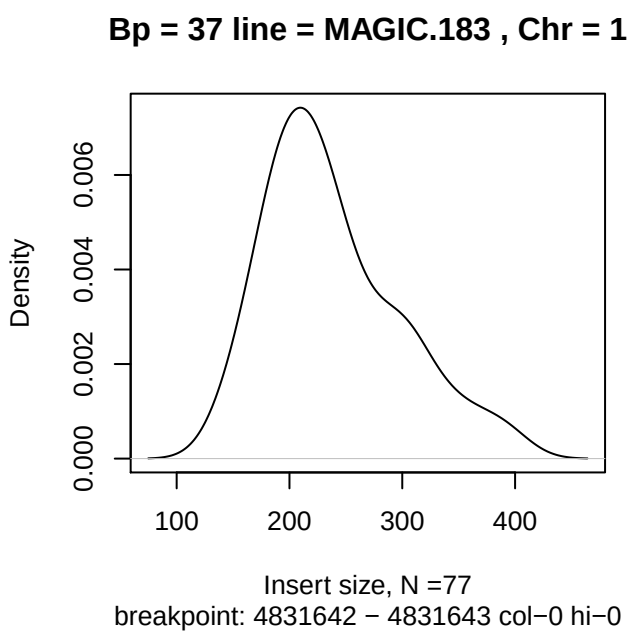

Bp = 29 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =77
breakpoint: 3798982 − 3799195 hi−0 bur−0
Bp = 30 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =44
breakpoint: 3996371 − 3996587 bur−0 hi−0
Bp = 31 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
500
Insert size, N =51
breakpoint: 4238365 − 4238733 hi−0 bur−0
Bp = 32 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =60
breakpoint: 4299158 − 4299163 bur−0 ct−1

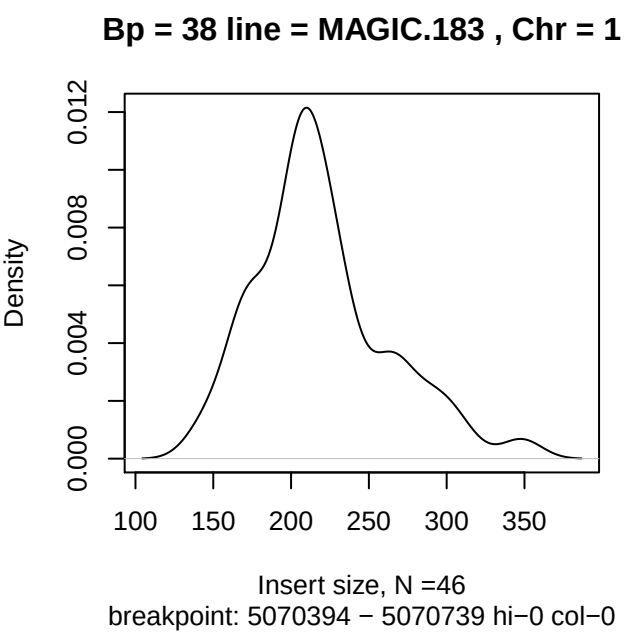

Bp = 33 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =62
breakpoint: 4326182 − 4326186 ct−1 mt−0

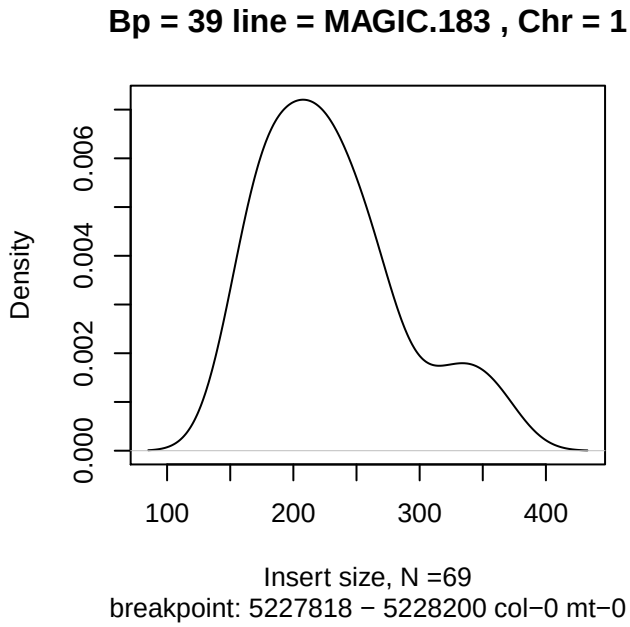

Bp = 34 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =46
breakpoint: 4514922 − 4515076 mt−0 rsch−4

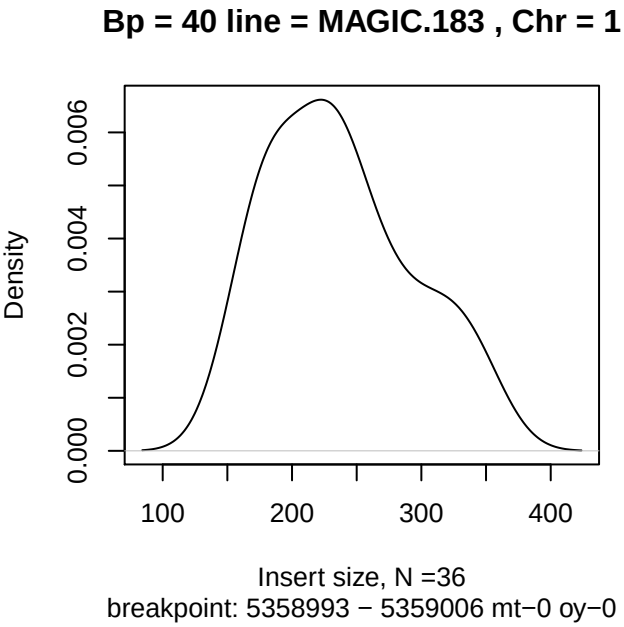

Bp = 35 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =54
breakpoint: 4763948 − 4763951 rsch−4 edi−0

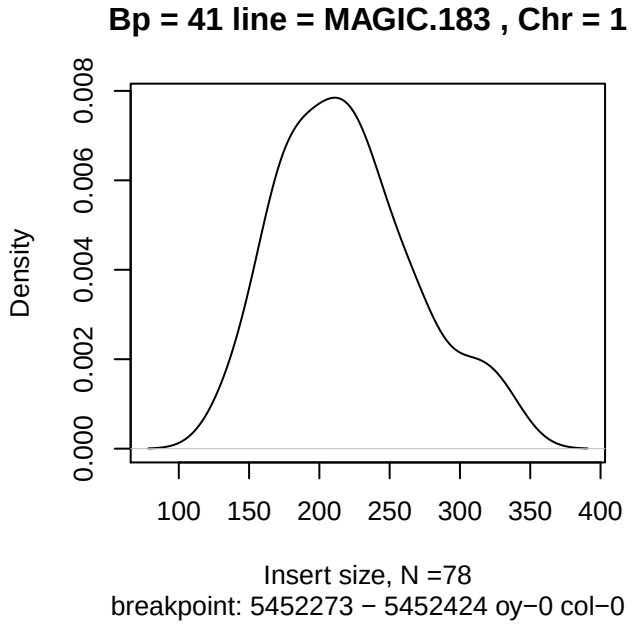

Bp = 36 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =50
breakpoint: 4817063 − 4817383 edi−0 col−0

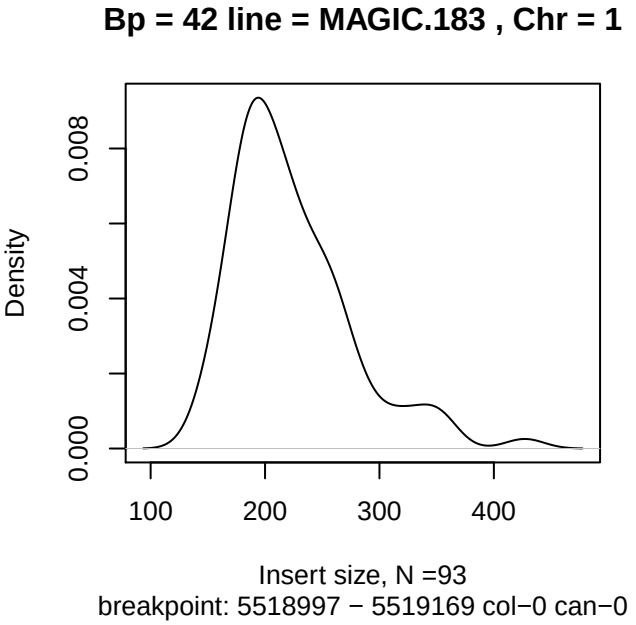

Bp = 37 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =77
breakpoint: 4831642 − 4831643 col−0 hi−0

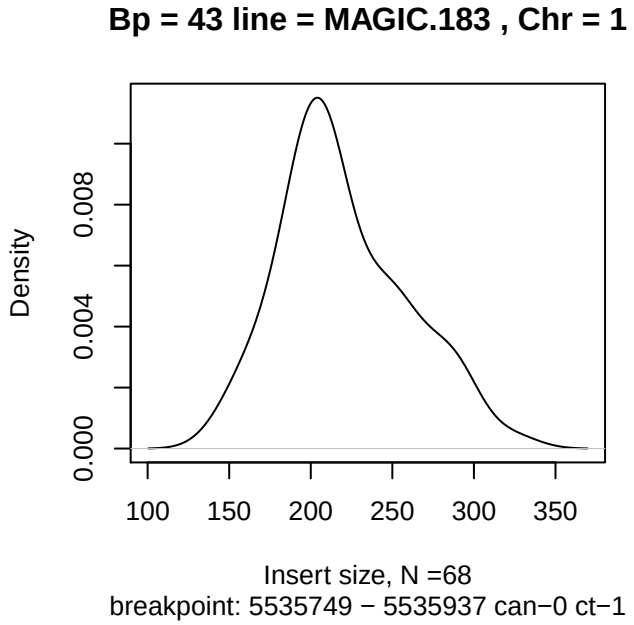

Bp = 38 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =46
breakpoint: 5070394 − 5070739 hi−0 col−0

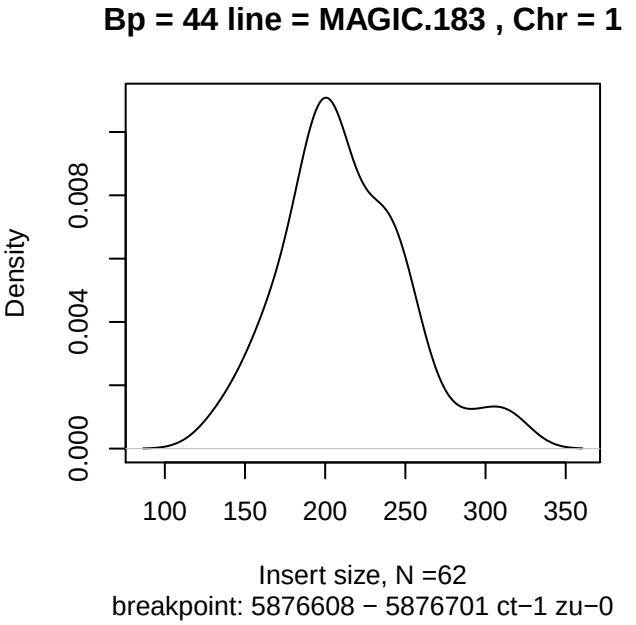

Bp = 39 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =69
breakpoint: 5227818 − 5228200 col−0 mt−0

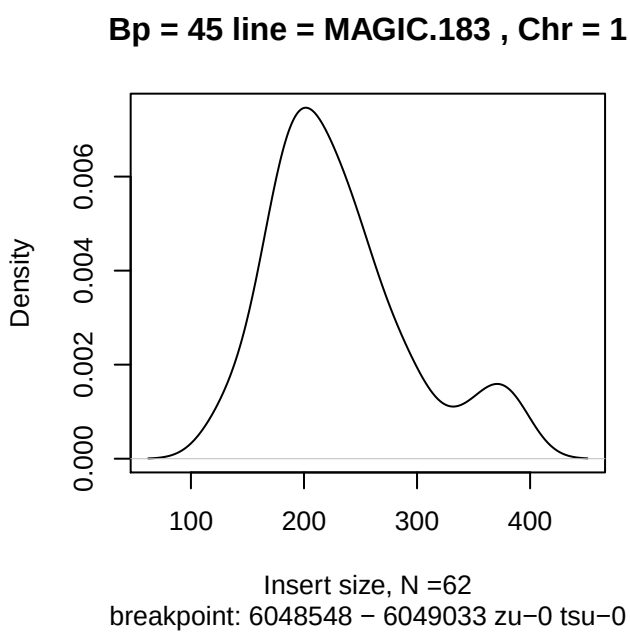

Bp = 40 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =36
breakpoint: 5358993 − 5359006 mt−0 oy−0

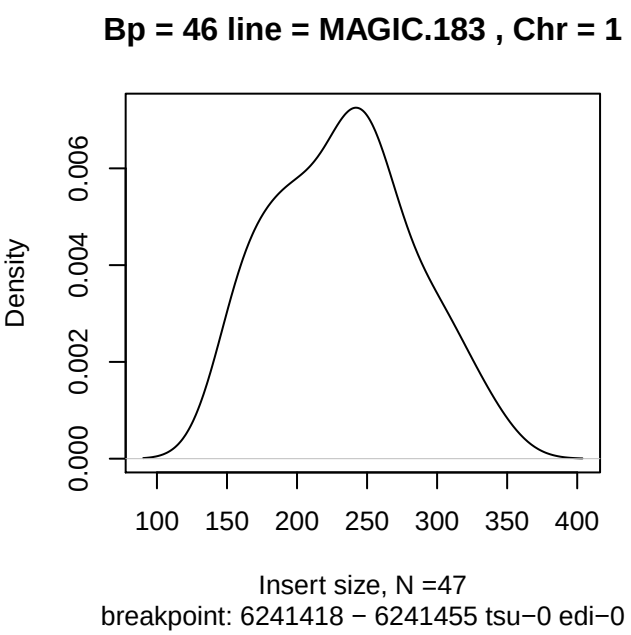

Bp = 41 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =78
breakpoint: 5452273 − 5452424 oy−0 col−0

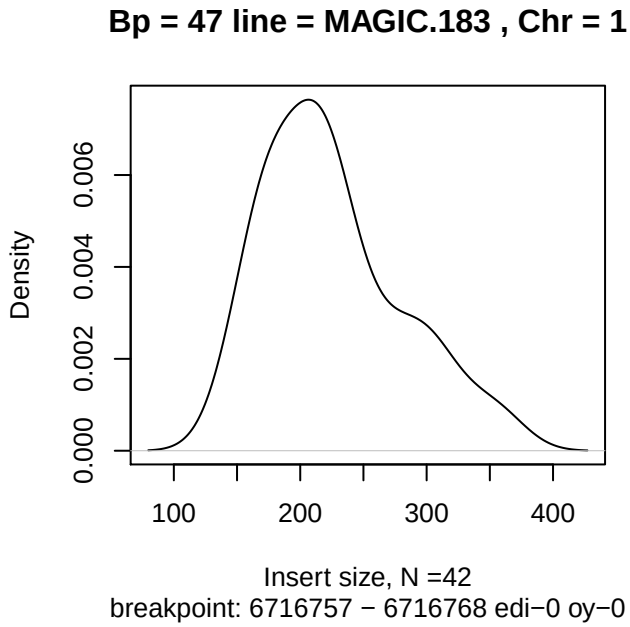

Bp = 42 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =93
breakpoint: 5518997 − 5519169 col−0 can−0

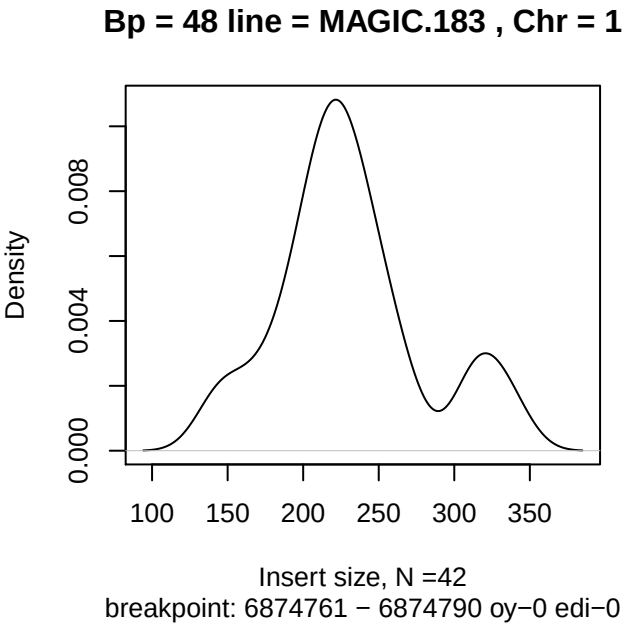

Bp = 43 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =68
breakpoint: 5535749 − 5535937 can−0 ct−1

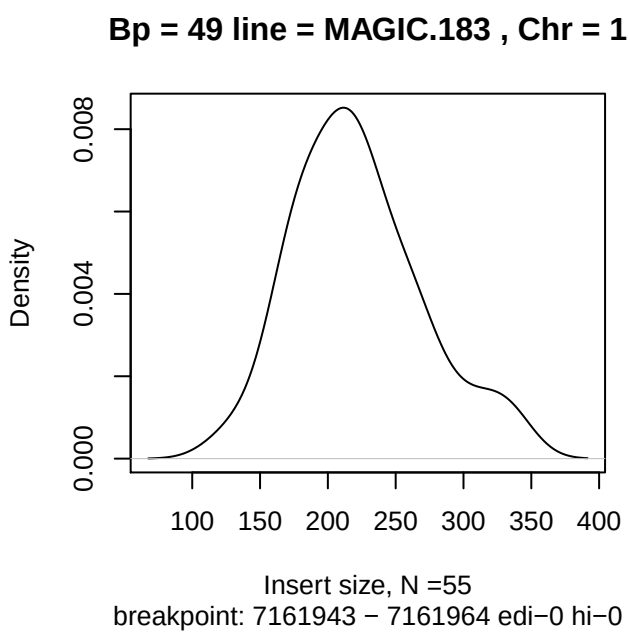

Bp = 44 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =62
breakpoint: 5876608 − 5876701 ct−1 zu−0

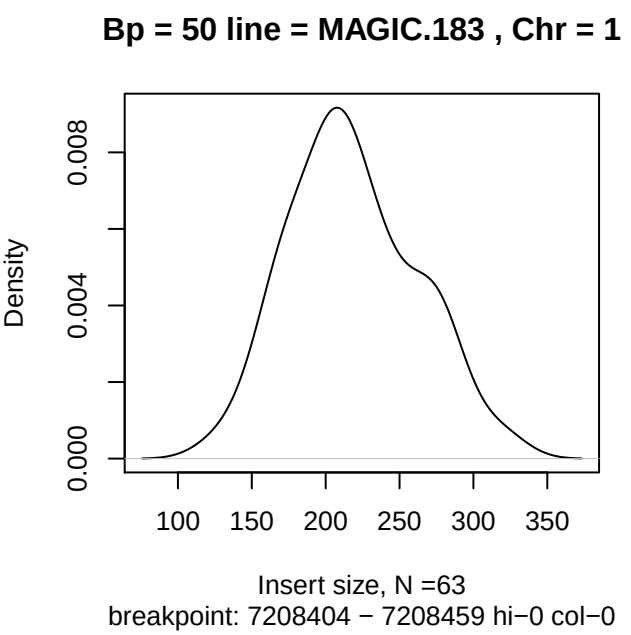

Bp = 45 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =62
breakpoint: 6048548 − 6049033 zu−0 tsu−0

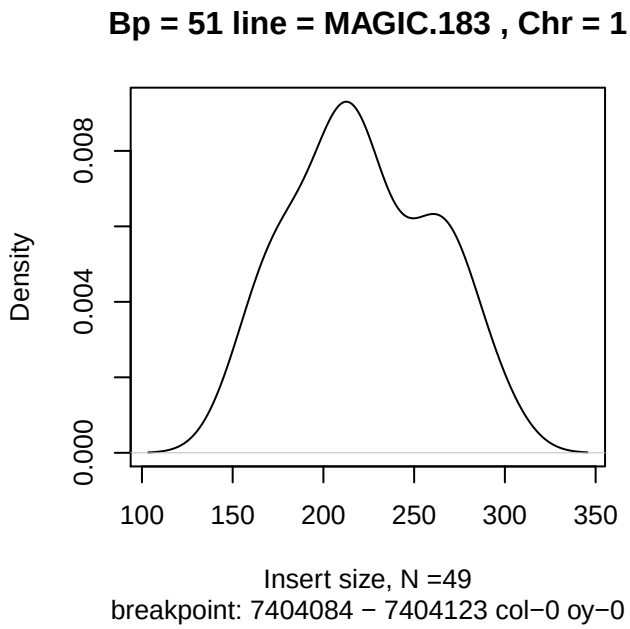

Bp = 46 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =47
breakpoint: 6241418 − 6241455 tsu−0 edi−0

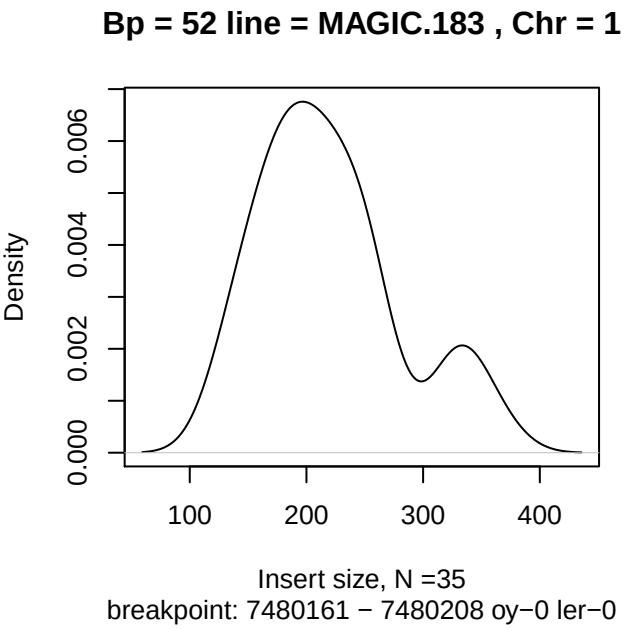

Bp = 47 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =42
breakpoint: 6716757 − 6716768 edi−0 oy−0

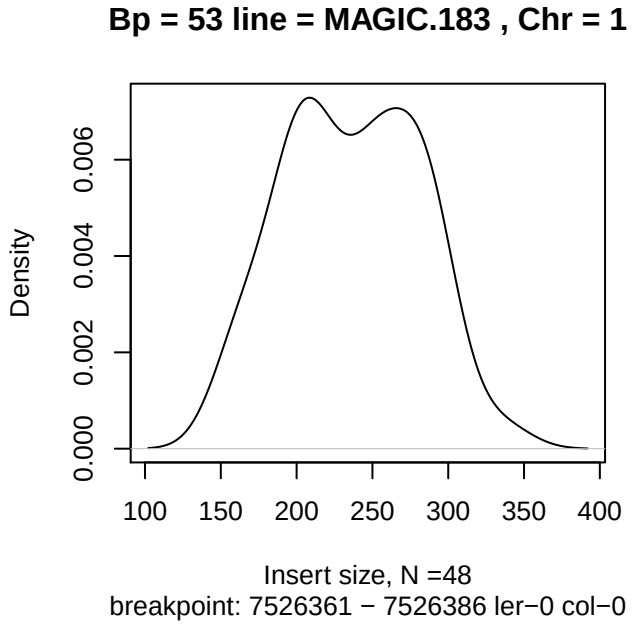

Bp = 48 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =42
breakpoint: 6874761 − 6874790 oy−0 edi−0

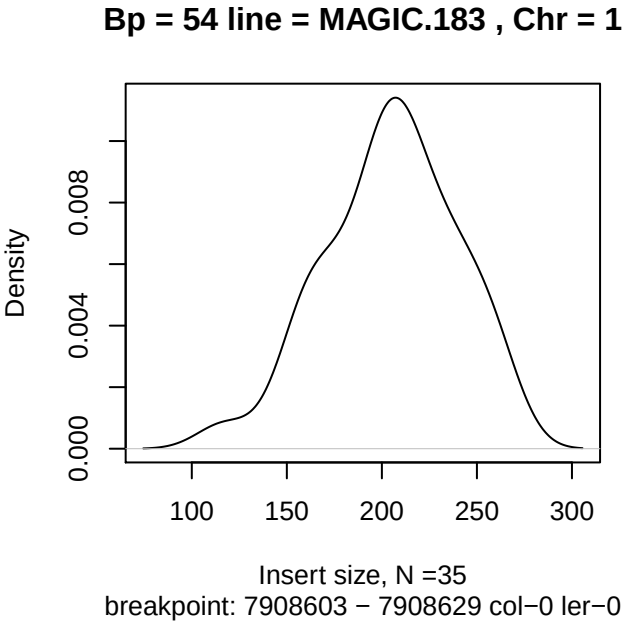

Bp = 49 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =55
breakpoint: 7161943 − 7161964 edi−0 hi−0

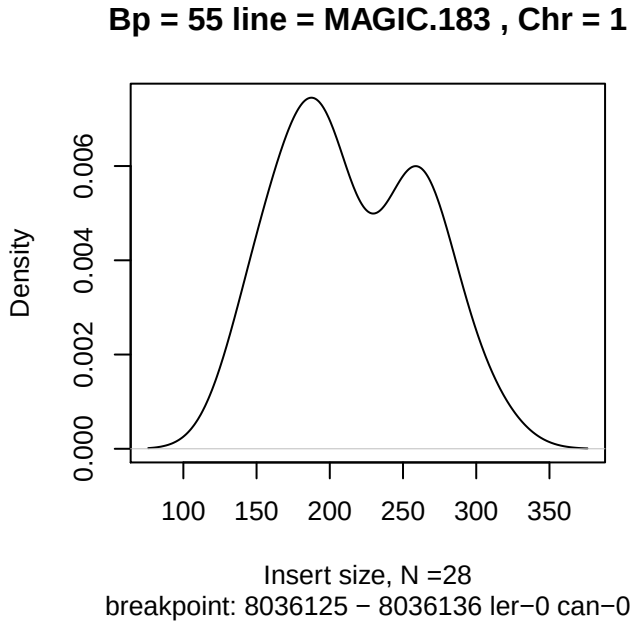

Bp = 50 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =63
breakpoint: 7208404 − 7208459 hi−0 col−0

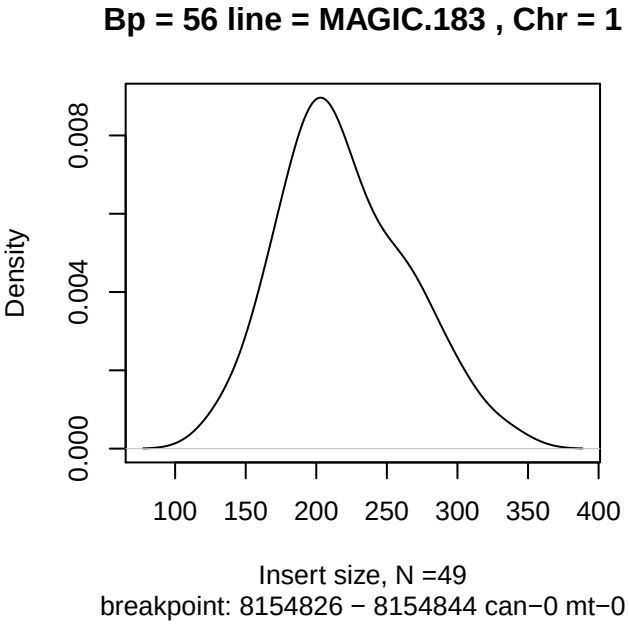

Bp = 51 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =49
breakpoint: 7404084 − 7404123 col−0 oy−0

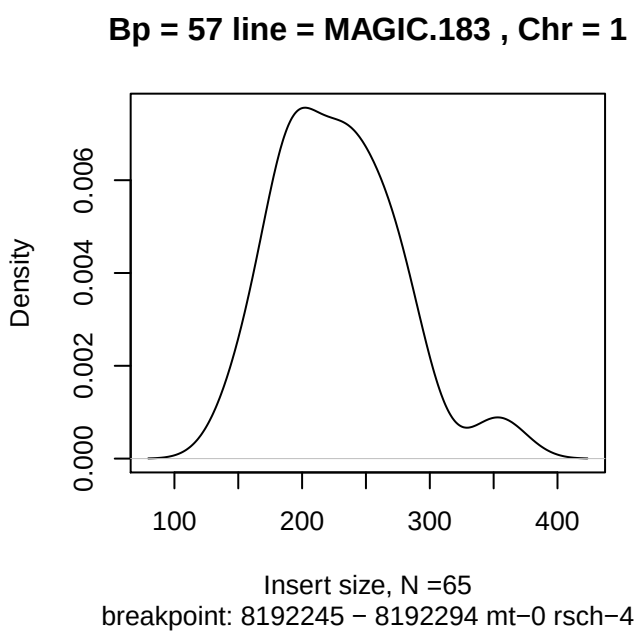

Bp = 52 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =35
breakpoint: 7480161 − 7480208 oy−0 ler−0

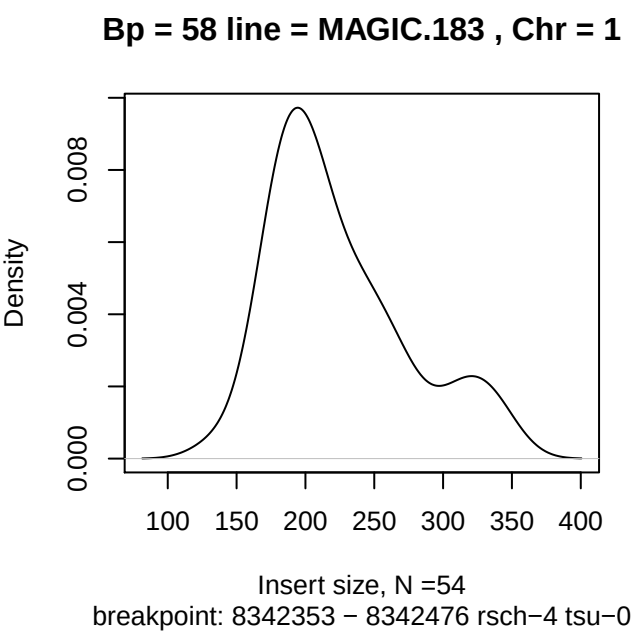

Bp = 53 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =48
breakpoint: 7526361 − 7526386 ler−0 col−0

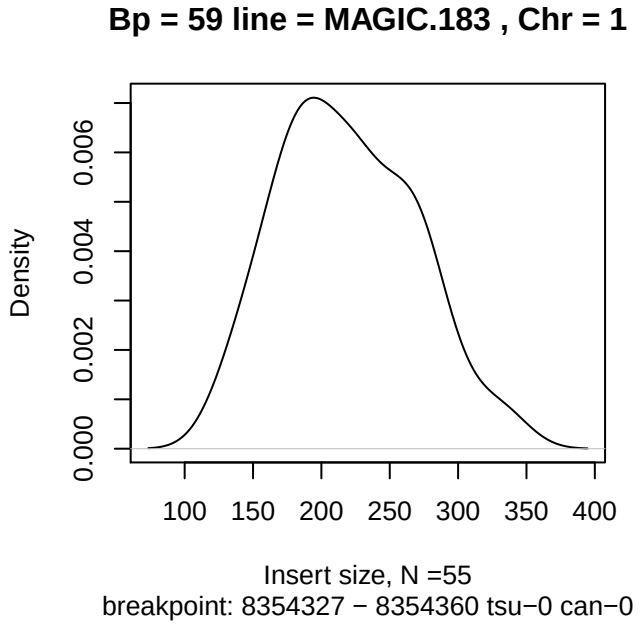

Bp = 54 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =35
breakpoint: 7908603 − 7908629 col−0 ler−0

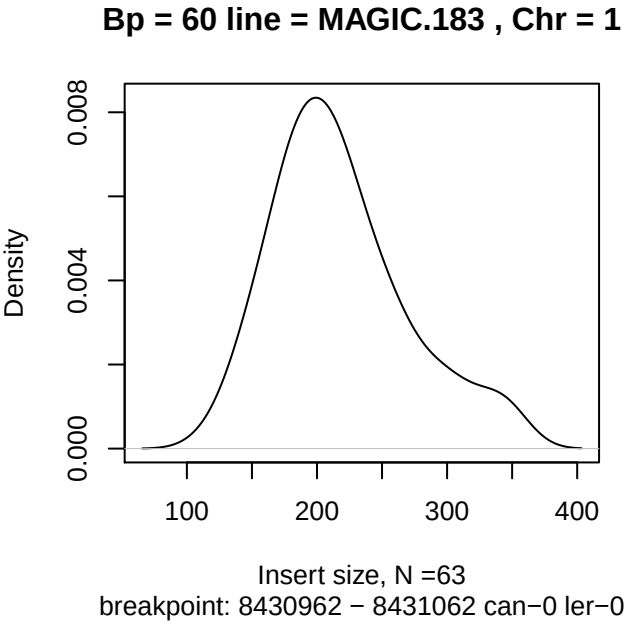

Bp = 55 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =28
breakpoint: 8036125 − 8036136 ler−0 can−0

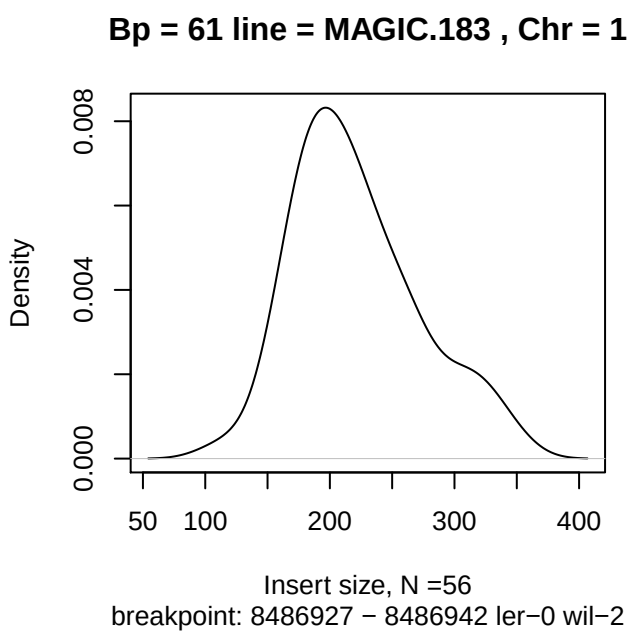

Bp = 56 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =49
breakpoint: 8154826 − 8154844 can−0 mt−0

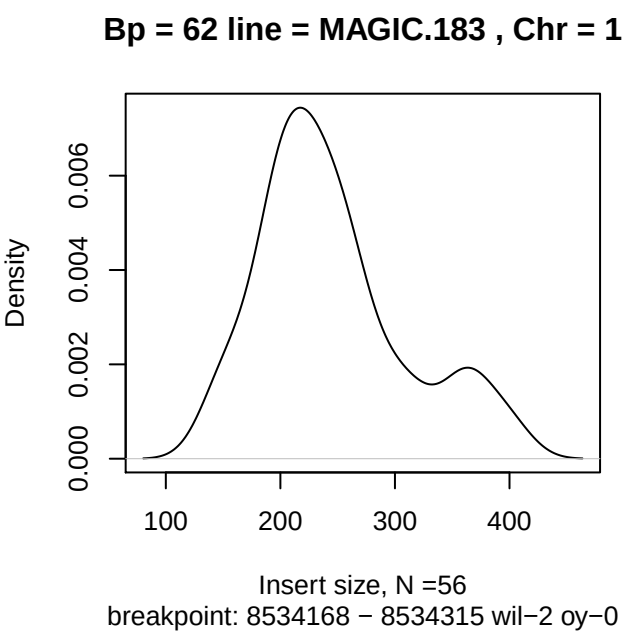

Bp = 57 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =65
breakpoint: 8192245 − 8192294 mt−0 rsch−4

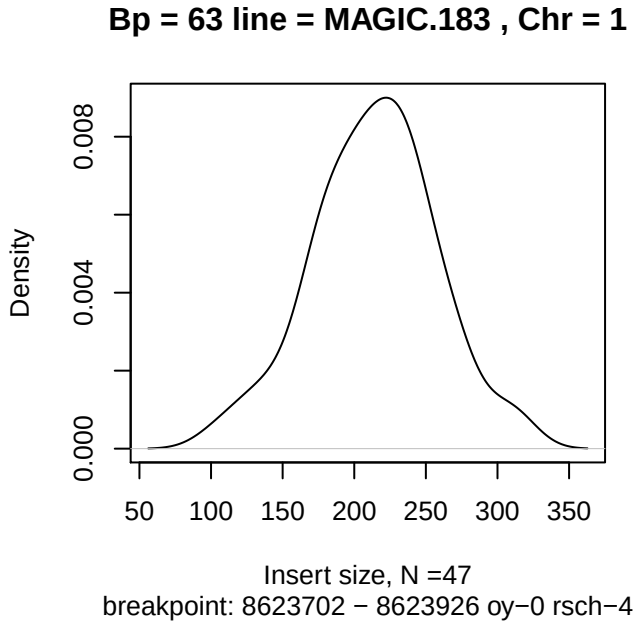

Bp = 58 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =54
breakpoint: 8342353 − 8342476 rsch−4 tsu−0

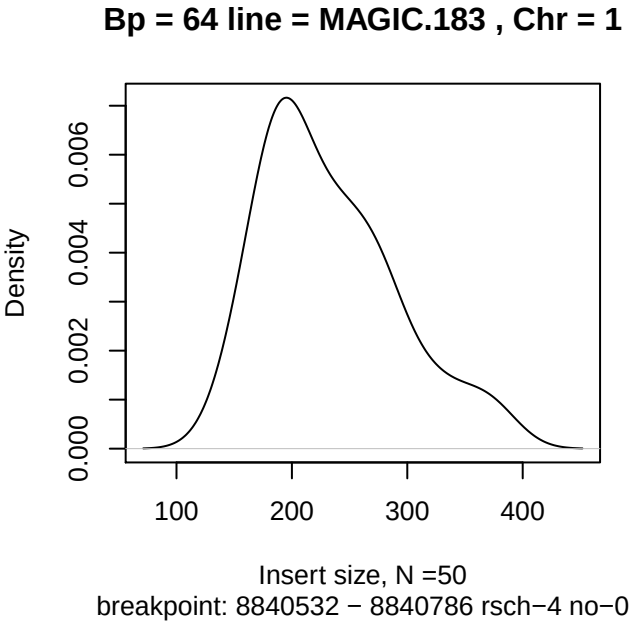

Bp = 59 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =55
breakpoint: 8354327 − 8354360 tsu−0 can−0

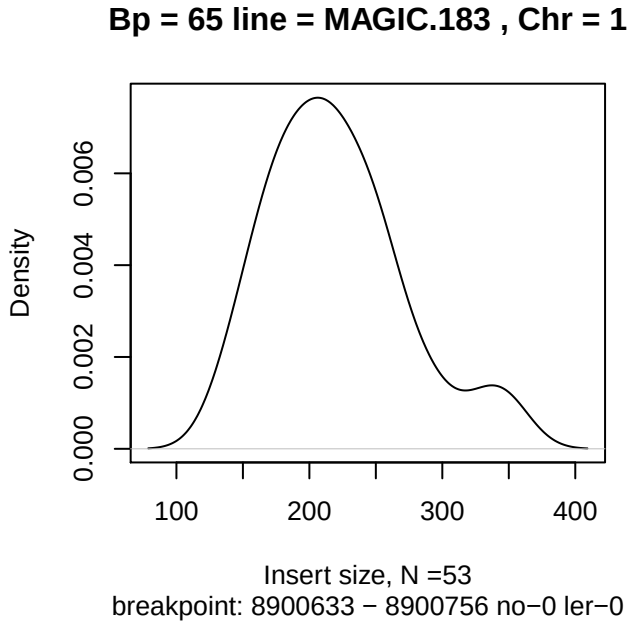

Bp = 60 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =63
breakpoint: 8430962 − 8431062 can−0 ler−0

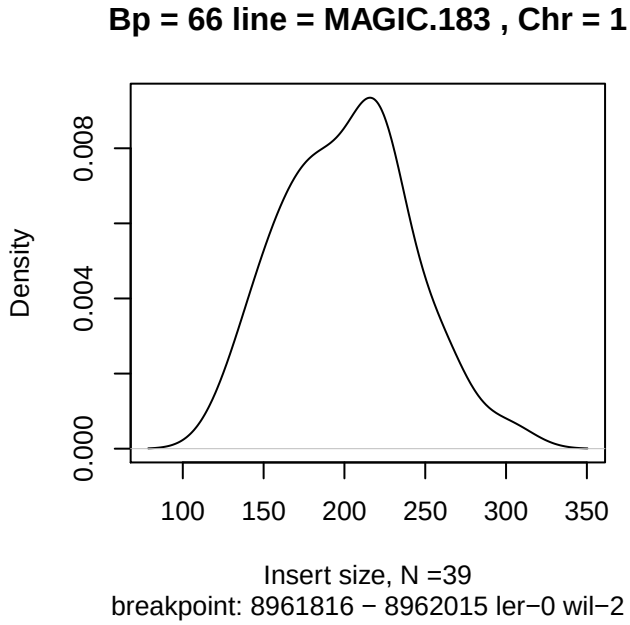

Bp = 61 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =56
breakpoint: 8486927 − 8486942 ler−0 wil−2

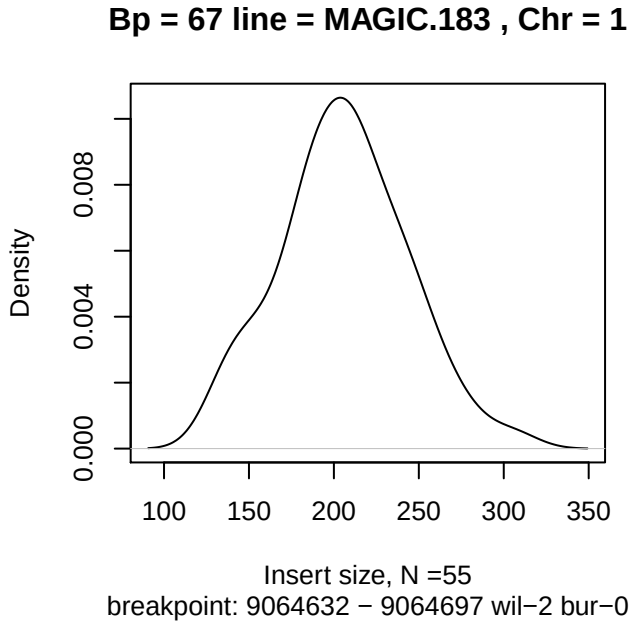

Bp = 62 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =56
breakpoint: 8534168 − 8534315 wil−2 oy−0

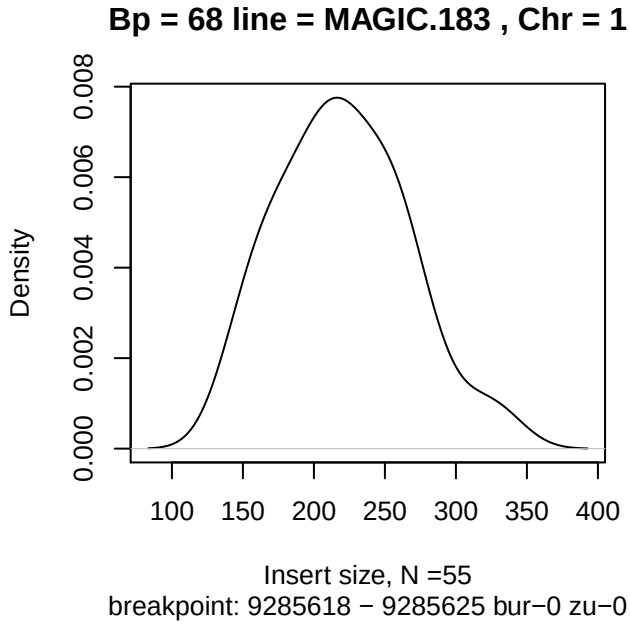

Bp = 63 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =47
breakpoint: 8623702 − 8623926 oy−0 rsch−4

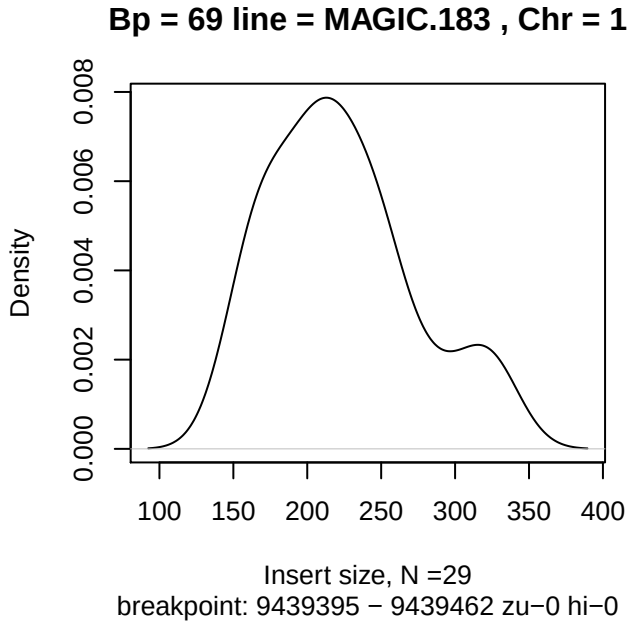

Bp = 64 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =50
breakpoint: 8840532 − 8840786 rsch−4 no−0

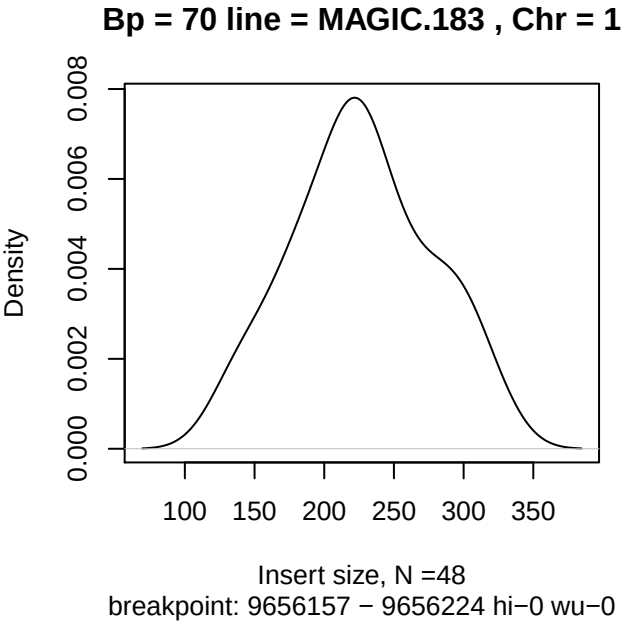

Bp = 65 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =53
breakpoint: 8900633 − 8900756 no−0 ler−0

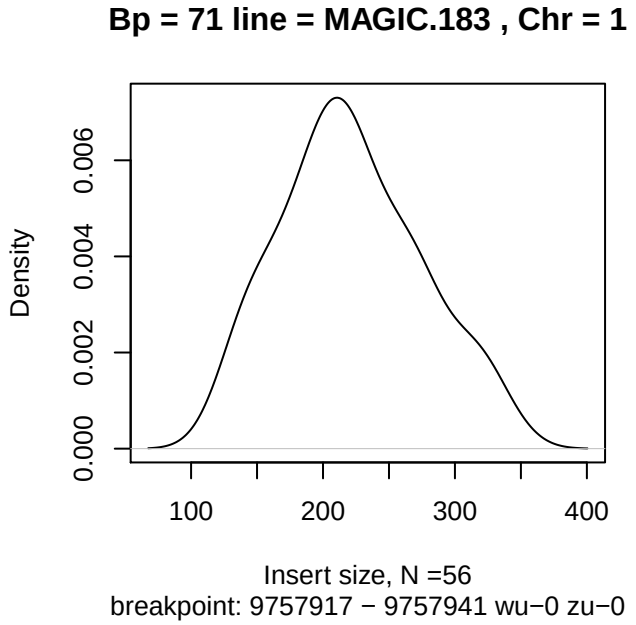

Bp = 66 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 8961816 − 8962015 ler−0 wil−2

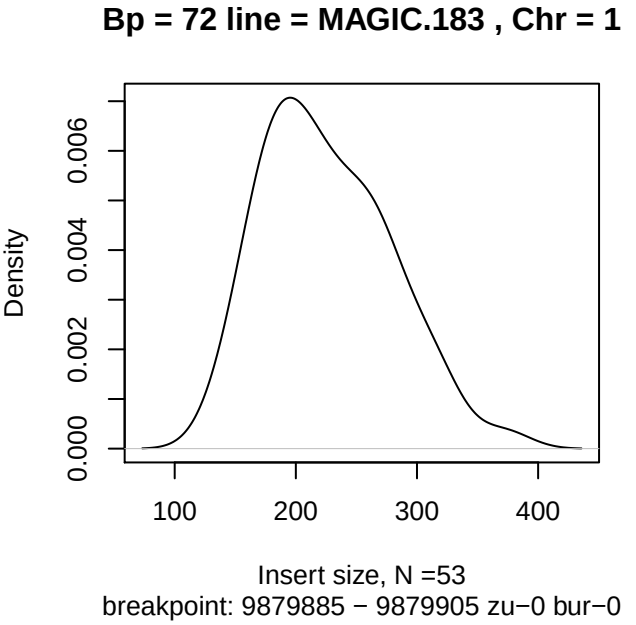

Bp = 67 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 9064632 − 9064697 wil−2 bur−0

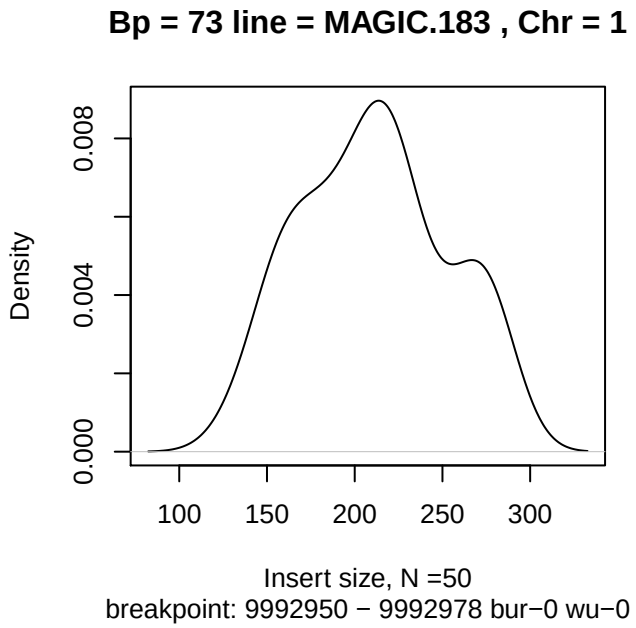

Bp = 68 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =55
breakpoint: 9285618 − 9285625 bur−0 zu−0

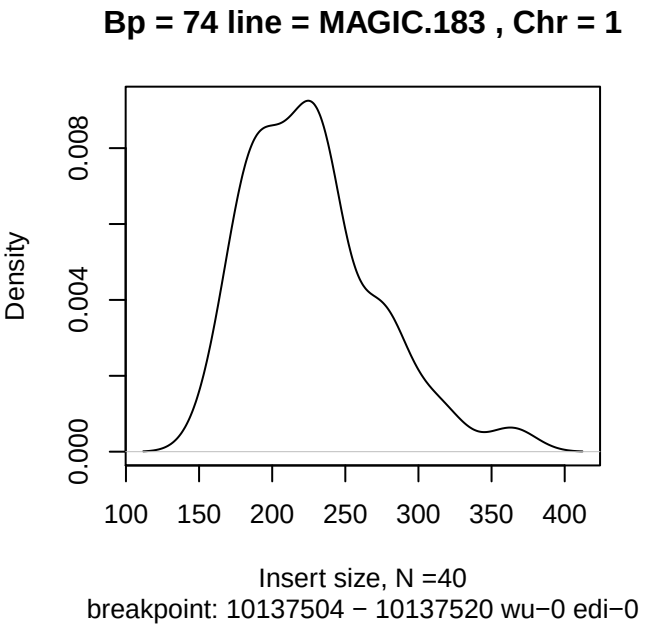

Bp = 69 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =29
breakpoint: 9439395 − 9439462 zu−0 hi−0

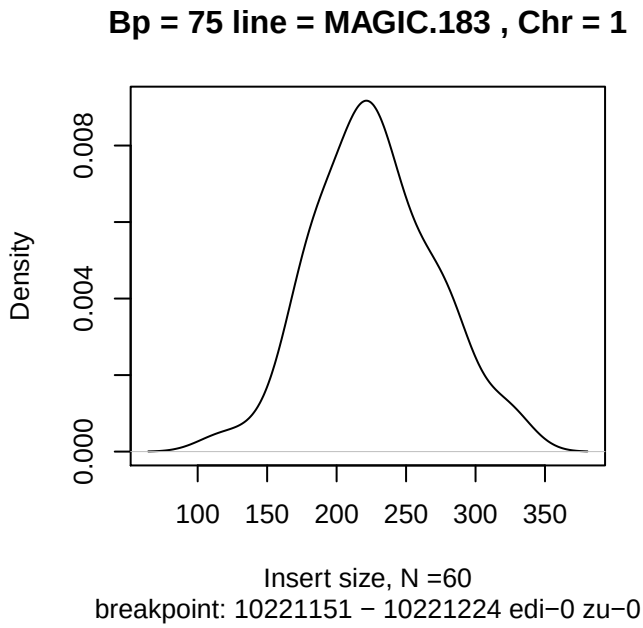

Bp = 70 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 9656157 − 9656224 hi−0 wu−0

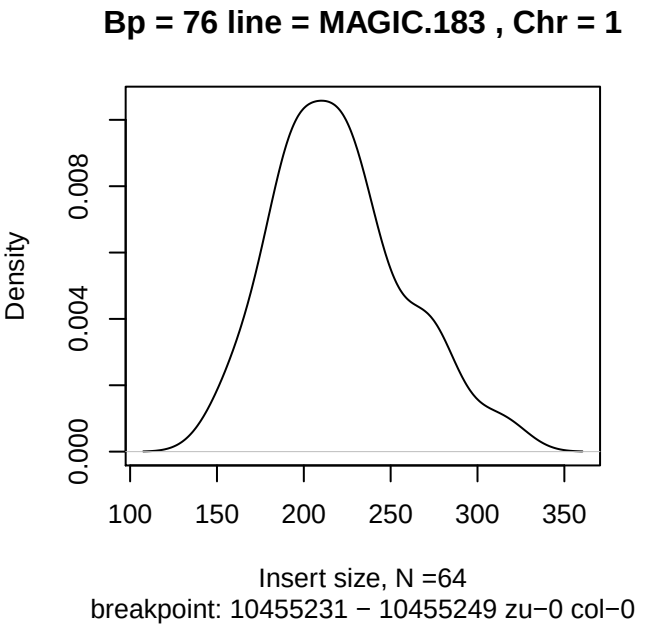

Bp = 71 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =56
breakpoint: 9757917 − 9757941 wu−0 zu−0

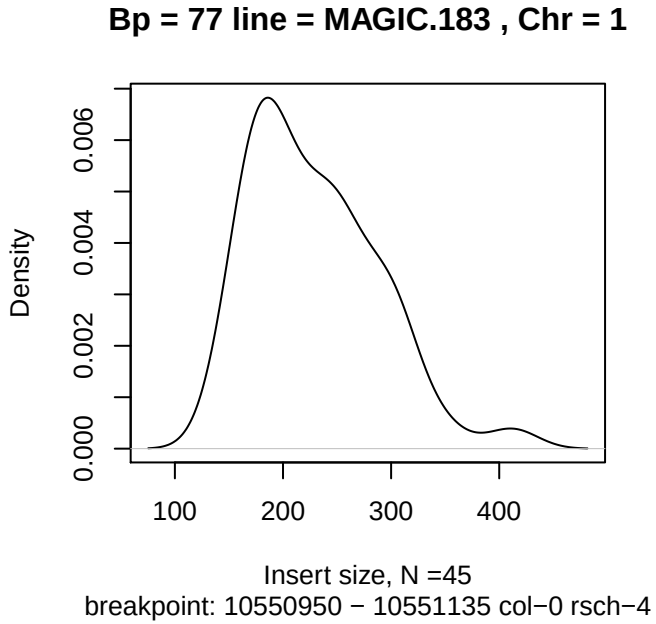

Bp = 72 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =53
breakpoint: 9879885 − 9879905 zu−0 bur−0

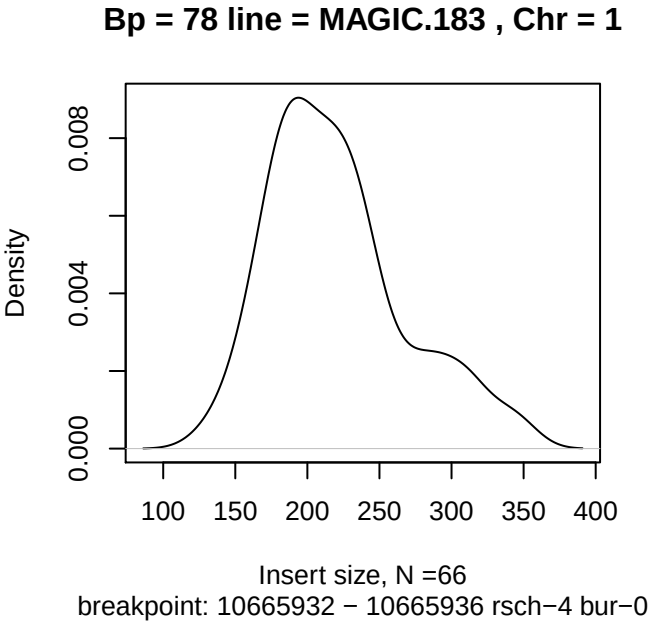

Bp = 73 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =50
breakpoint: 9992950 − 9992978 bur−0 wu−0

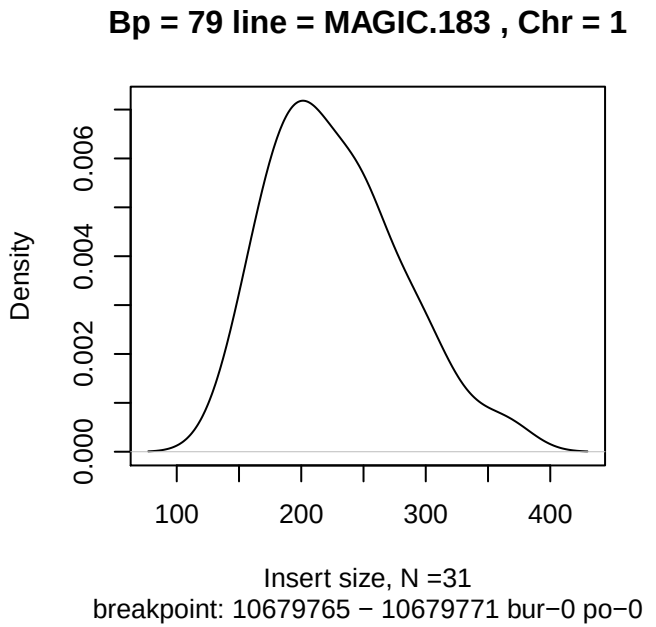

Bp = 74 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =40
breakpoint: 10137504 − 10137520 wu−0 edi−0

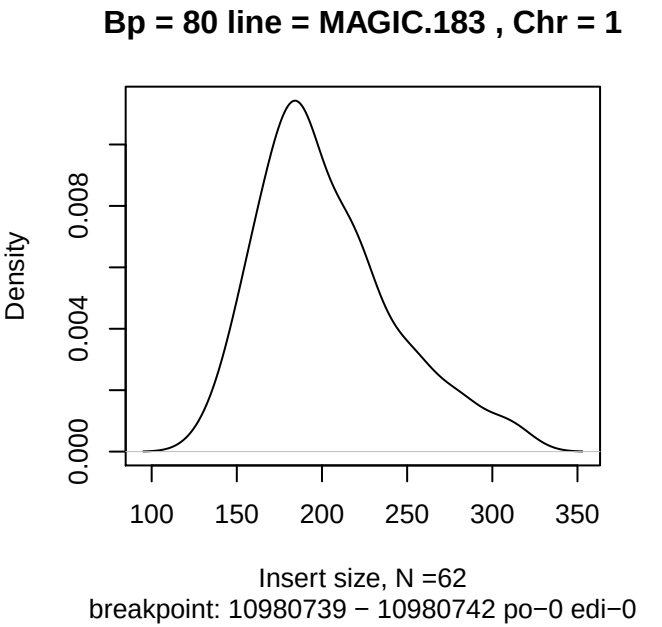

Bp = 75 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =60
breakpoint: 10221151 − 10221224 edi−0 zu−0

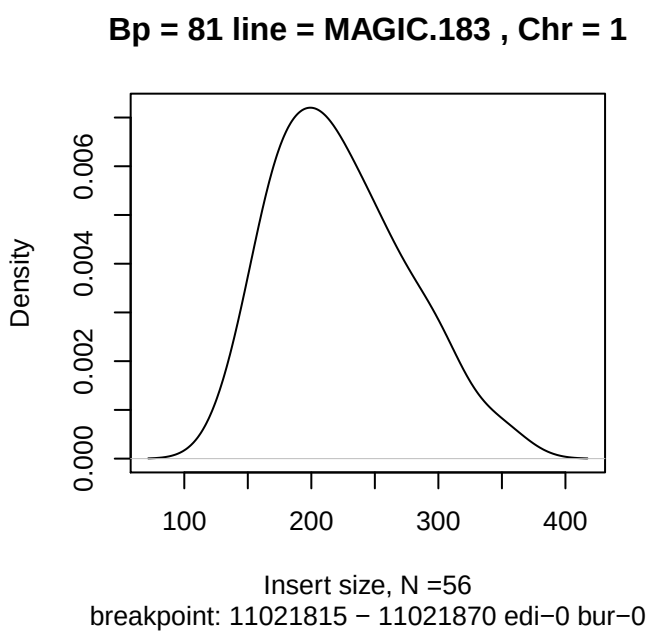

Bp = 76 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =64
breakpoint: 10455231 − 10455249 zu−0 col−0

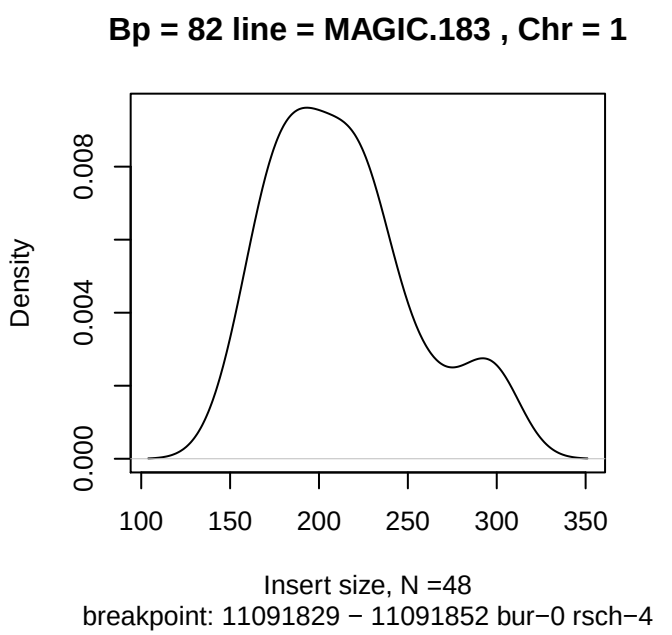

Bp = 77 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =45
breakpoint: 10550950 − 10551135 col−0 rsch−4

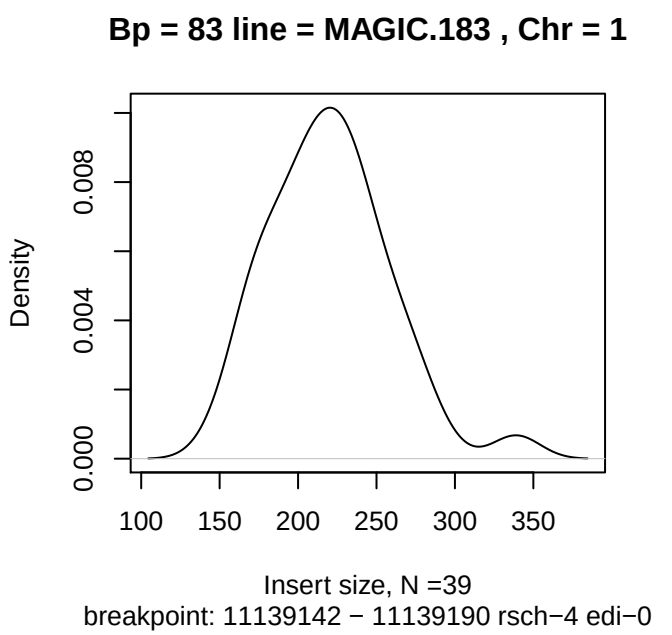

Bp = 78 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =66
breakpoint: 10665932 − 10665936 rsch−4 bur−0

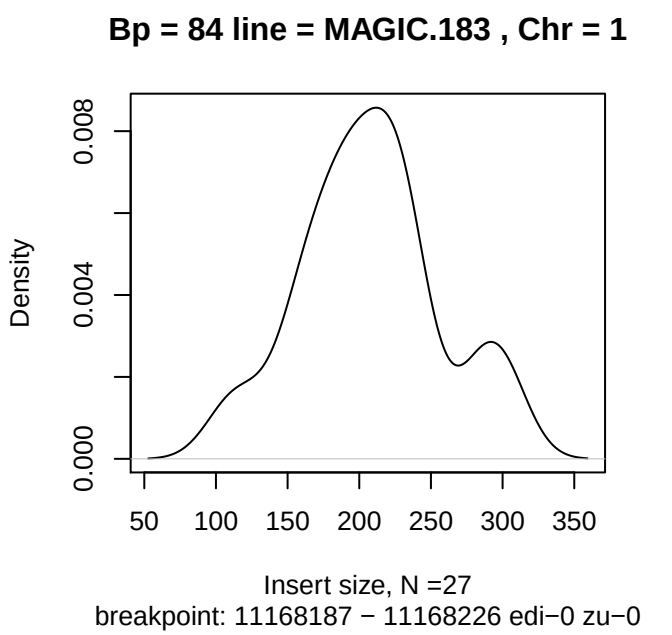

Bp = 79 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =31
breakpoint: 10679765 − 10679771 bur−0 po−0

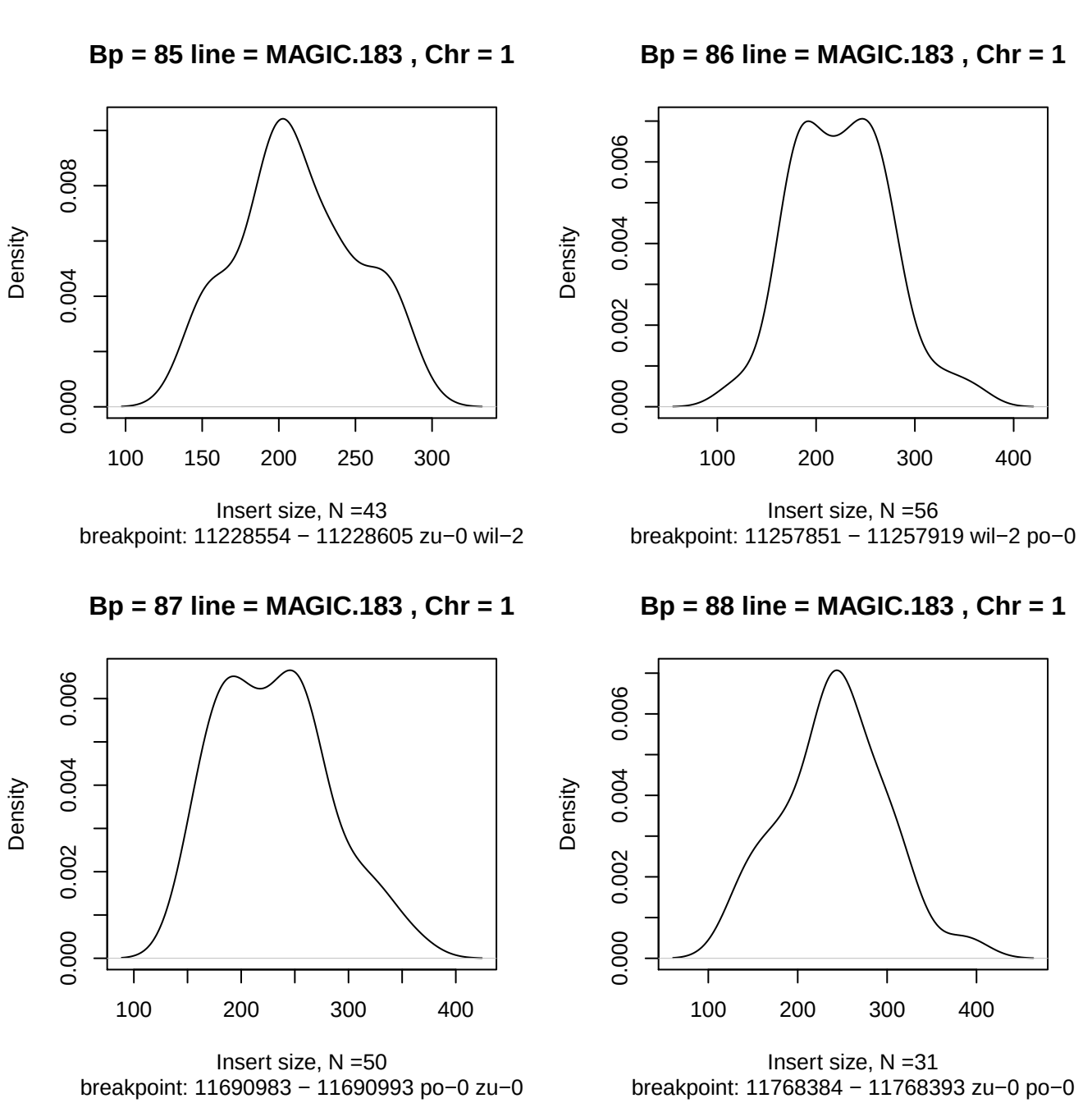

Bp = 80 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =62
breakpoint: 10980739 − 10980742 po−0 edi−0

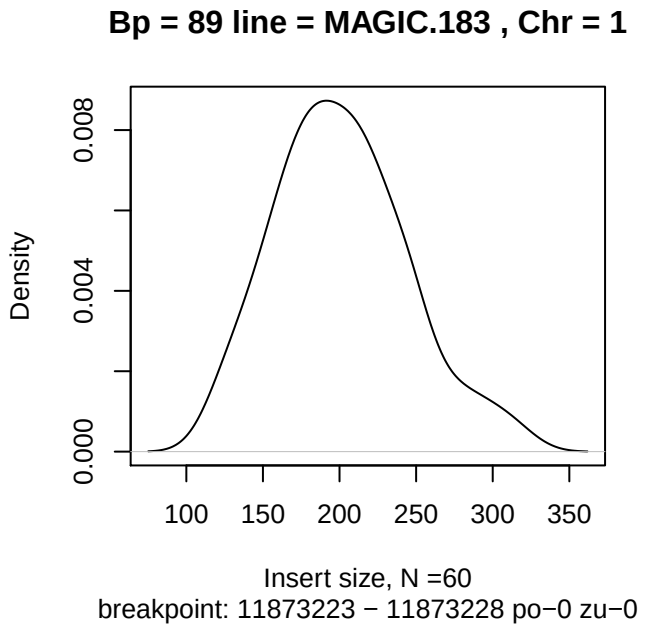

Bp = 81 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =56
breakpoint: 11021815 − 11021870 edi−0 bur−0

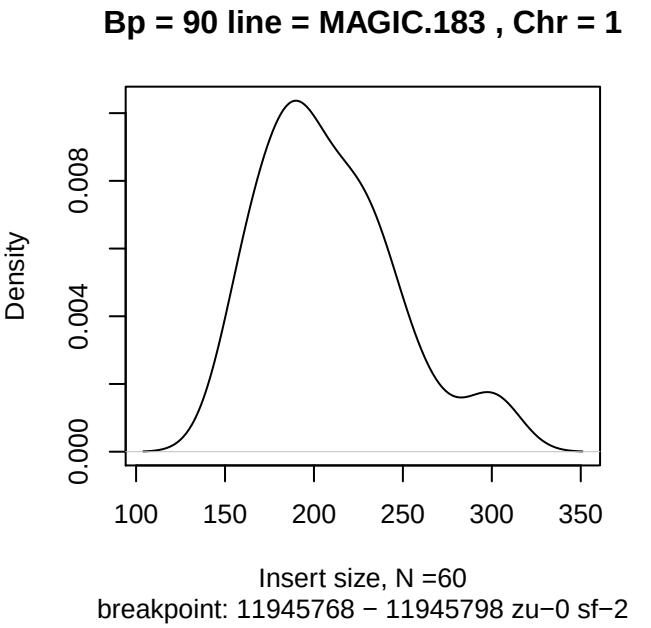

Bp = 82 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 11091829 − 11091852 bur−0 rsch−4

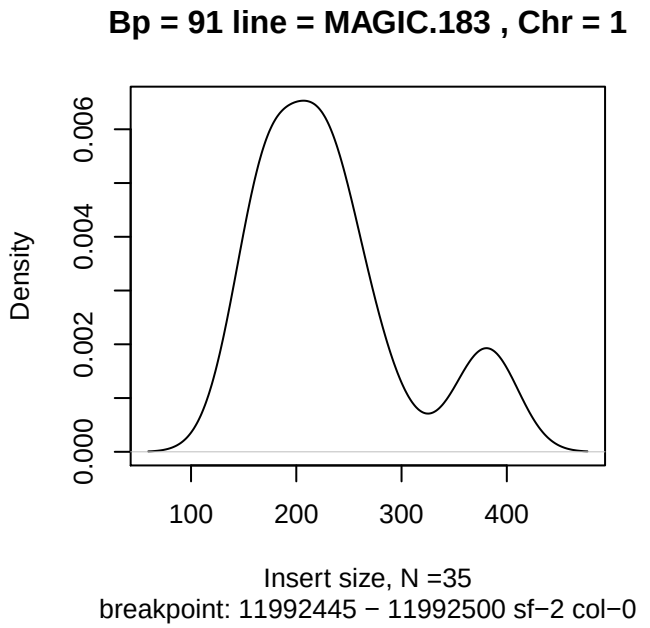

Bp = 83 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 11139142 − 11139190 rsch−4 edi−0

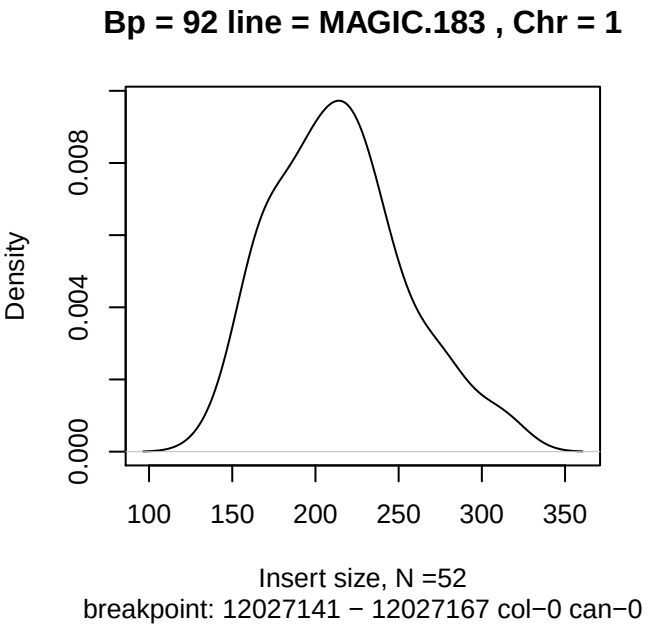

Bp = 84 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =27
breakpoint: 11168187 − 11168226 edi−0 zu−0

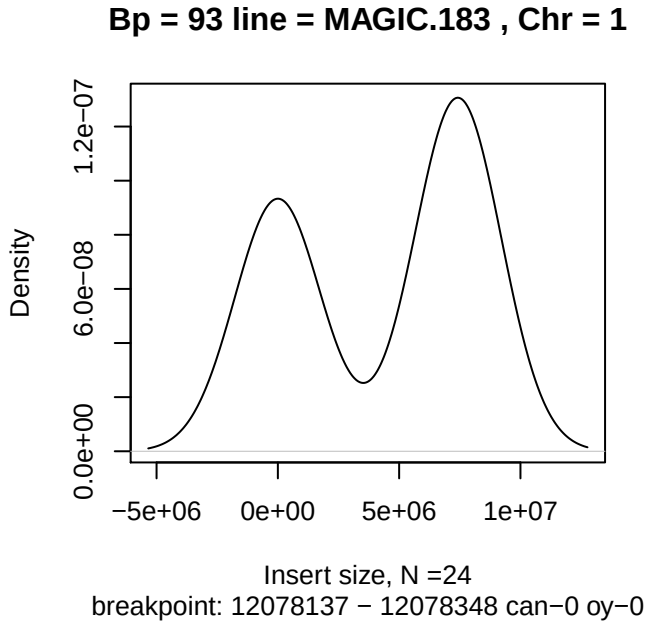

Bp = 85 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =43
breakpoint: 11228554 − 11228605 zu−0 wil−2
Bp = 86 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =56
breakpoint: 11257851 − 11257919 wil−2 po−0
Bp = 87 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =50
breakpoint: 11690983 − 11690993 po−0 zu−0
Bp = 88 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =31
breakpoint: 11768384 − 11768393 zu−0 po−0

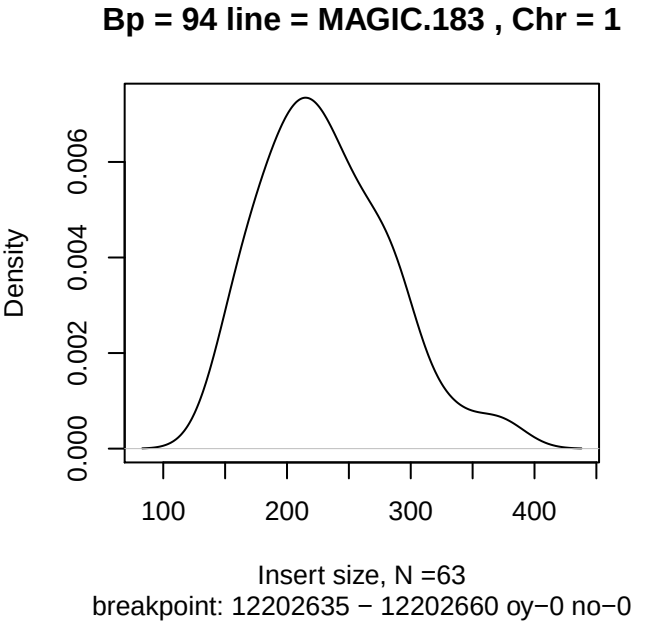

Bp = 89 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =60
breakpoint: 11873223 − 11873228 po−0 zu−0

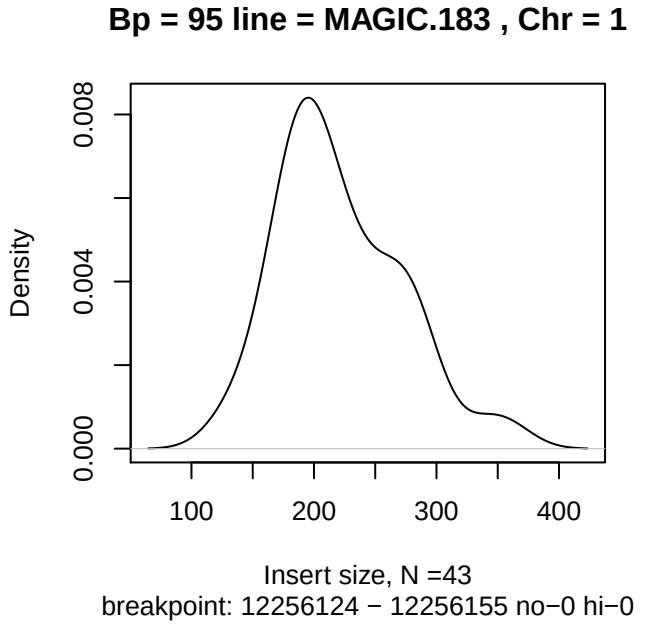

Bp = 90 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =60
breakpoint: 11945768 − 11945798 zu−0 sf−2

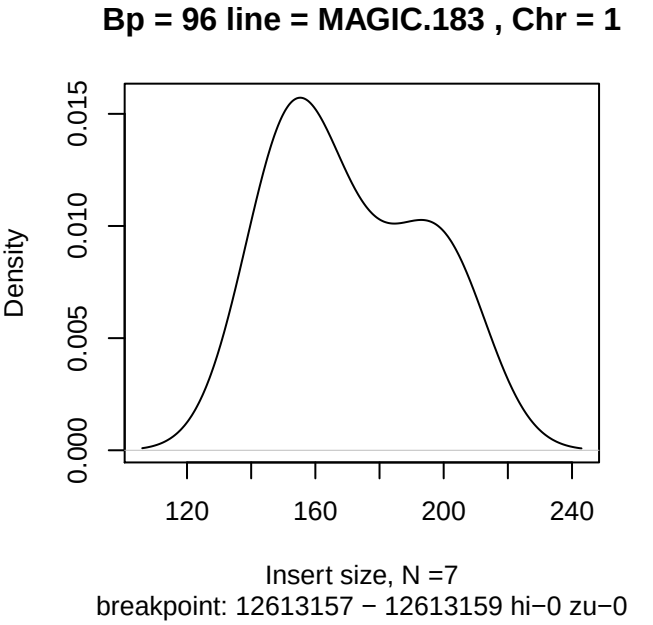

Bp = 91 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =35
breakpoint: 11992445 − 11992500 sf−2 col−0

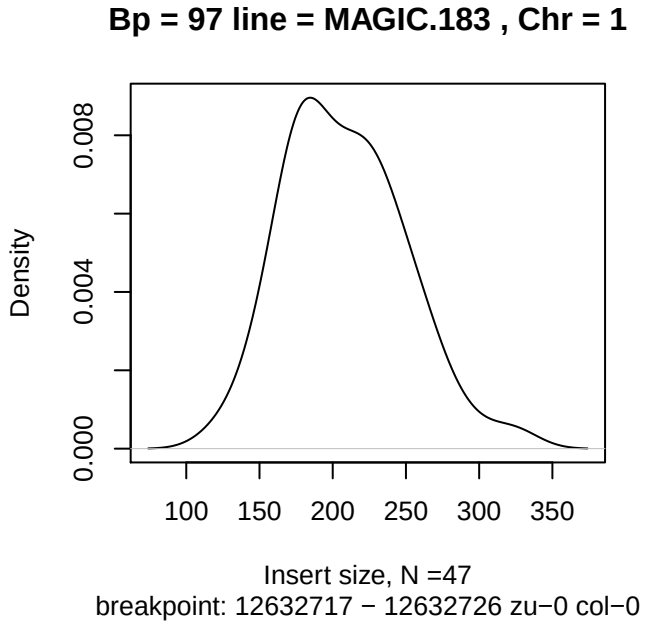

Bp = 92 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =52
breakpoint: 12027141 − 12027167 col−0 can−0

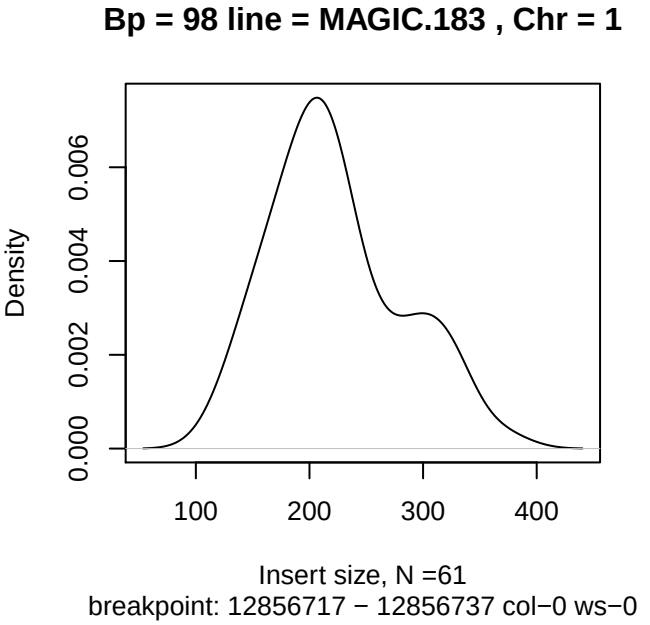

Bp = 93 line = MAGIC.183 , Chr = 1
Density
0.0e+00
6.0e−08
1.2e−07
−5e+06
0e+00
5e+06
1e+07
Insert size, N =24
breakpoint: 12078137 − 12078348 can−0 oy−0

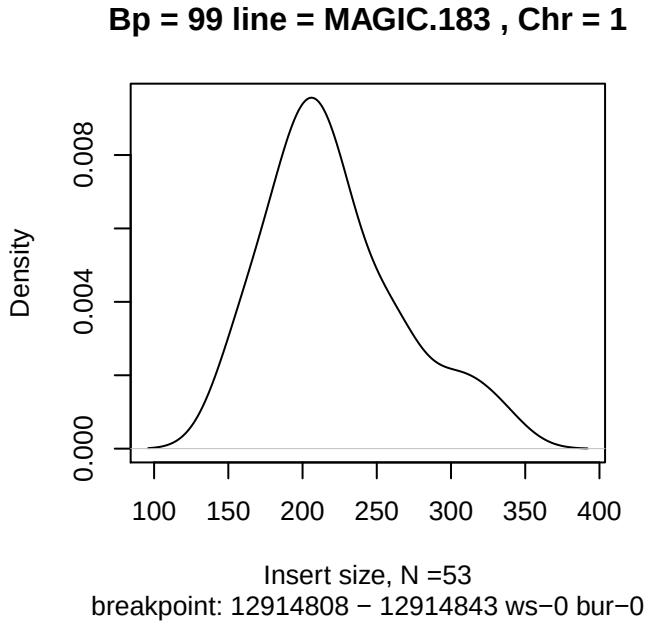

Bp = 94 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =63
breakpoint: 12202635 − 12202660 oy−0 no−0

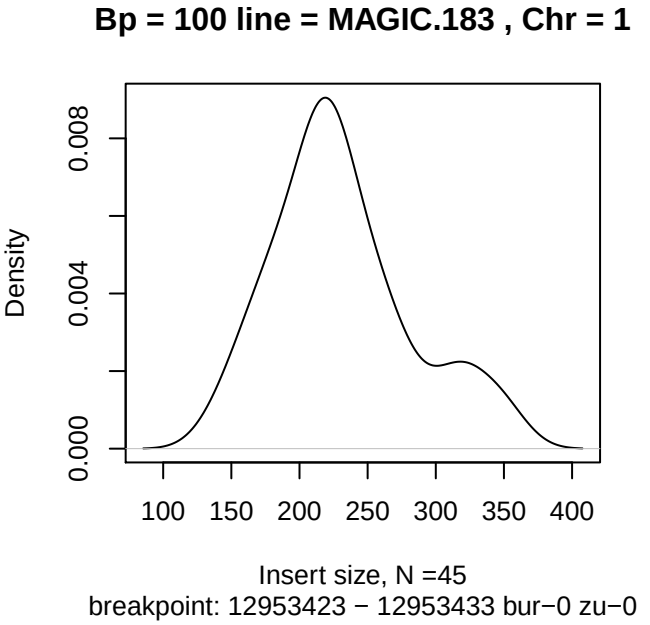

Bp = 95 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =43
breakpoint: 12256124 − 12256155 no−0 hi−0

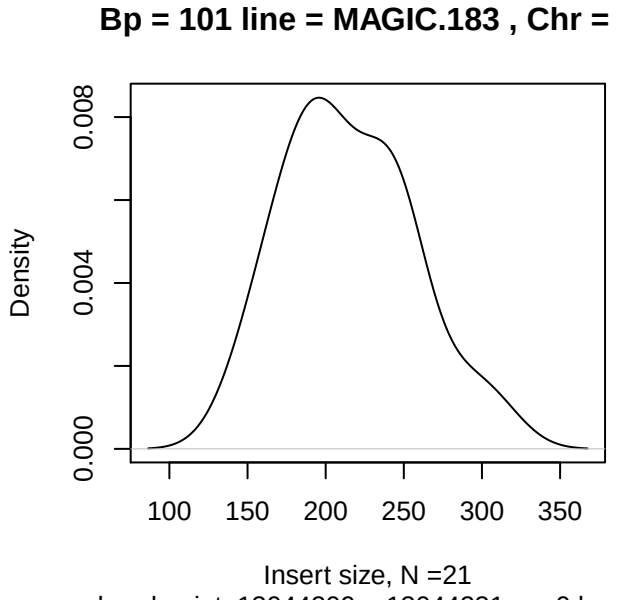

Bp = 96 line = MAGIC.183 , Chr = 1
Density
0.000
0.005
0.010
0.015
120
160
200
240
Insert size, N =7
breakpoint: 12613157 − 12613159 hi−0 zu−0

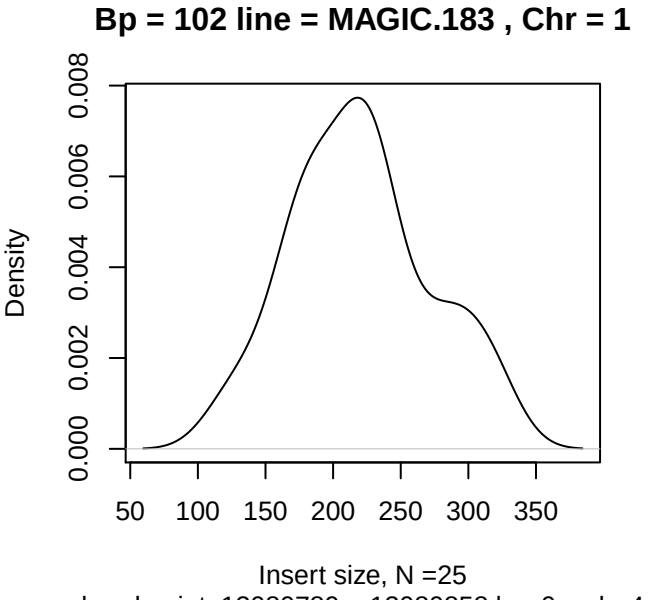

Bp = 97 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =47
breakpoint: 12632717 − 12632726 zu−0 col−0

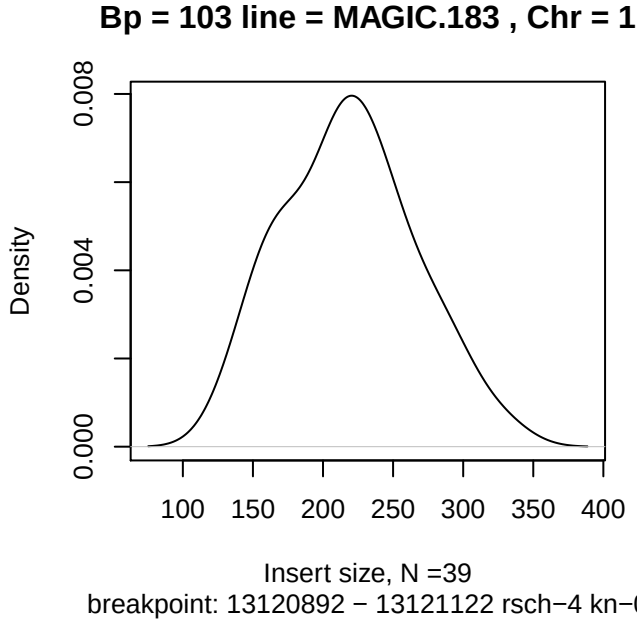

Bp = 98 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =61
breakpoint: 12856717 − 12856737 col−0 ws−0

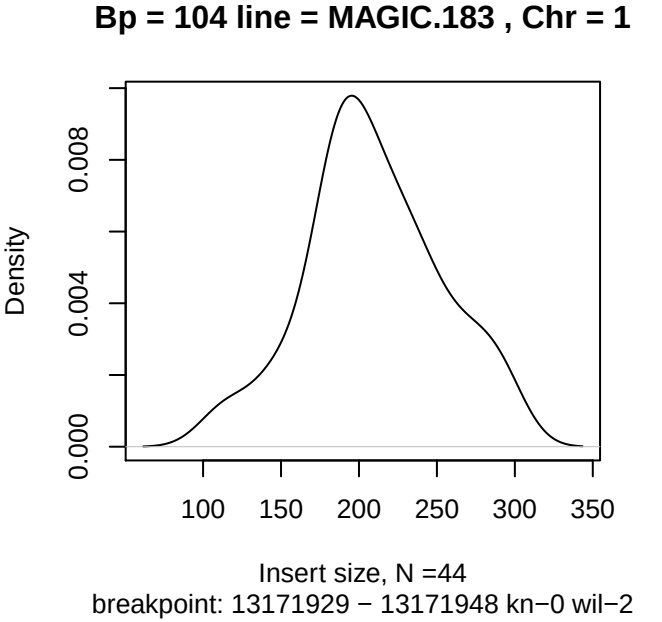

Bp = 99 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =53
breakpoint: 12914808 − 12914843 ws−0 bur−0

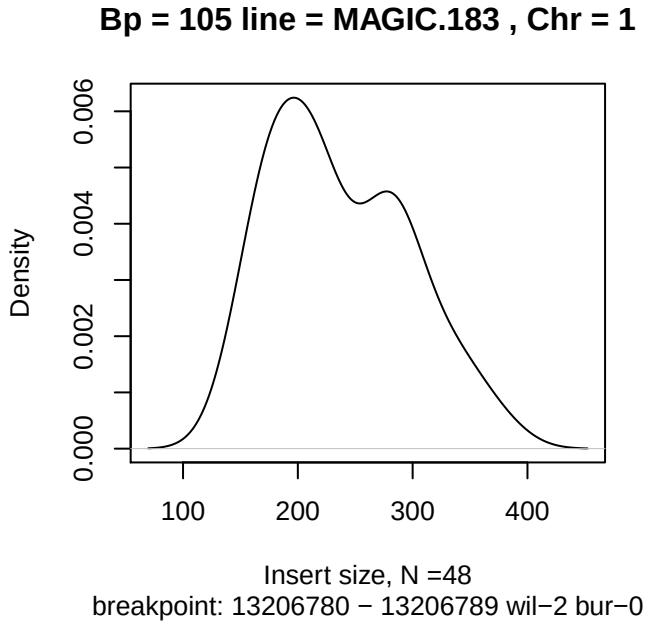

Bp = 100 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =45
breakpoint: 12953423 − 12953433 bur−0 zu−0

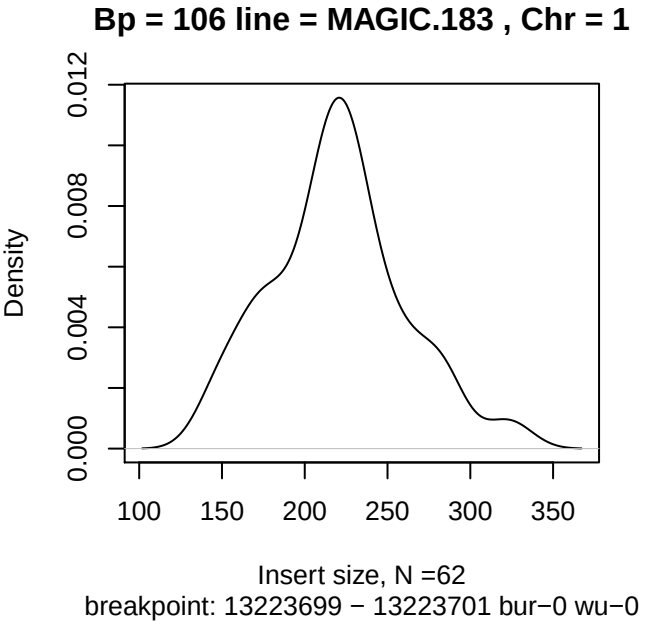

Bp = 101 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =21
breakpoint: 13044209 − 13044231 zu−0 ler−0

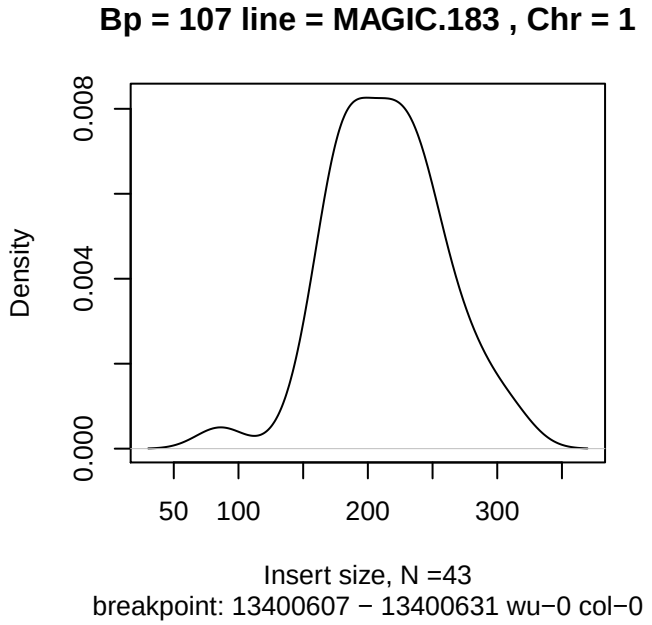

Bp = 102 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
50
100
150
200
250
300
350
Insert size, N =25
breakpoint: 13080789 − 13080858 ler−0 rsch−4

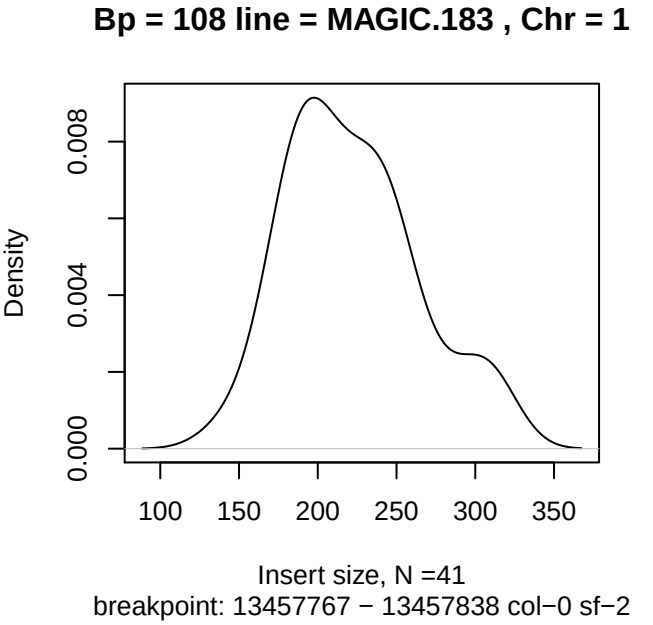

Bp = 103 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =39
breakpoint: 13120892 − 13121122 rsch−4 kn−0

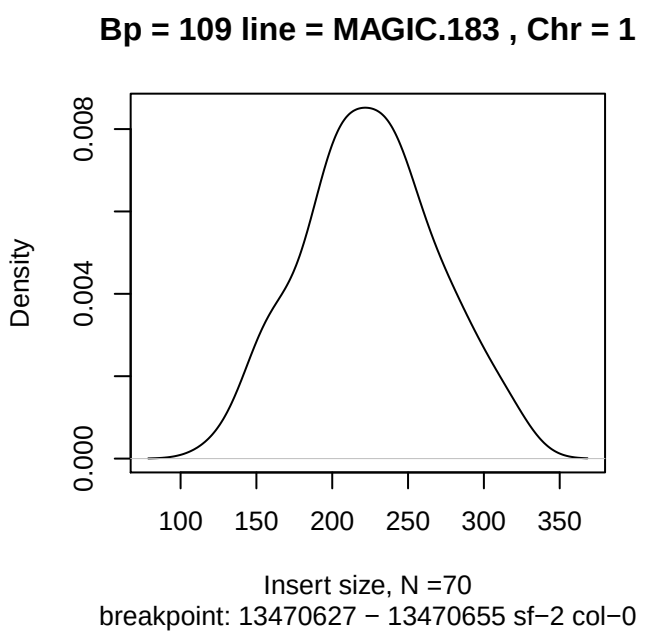

Bp = 104 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =44
breakpoint: 13171929 − 13171948 kn−0 wil−2

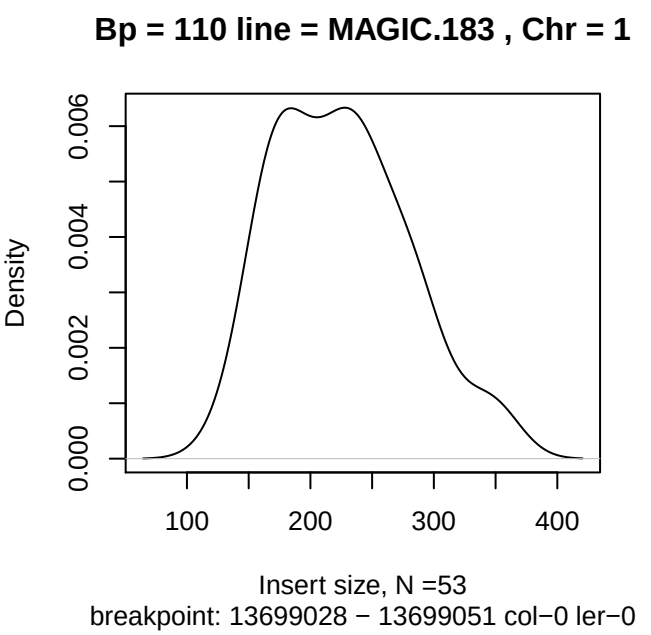

Bp = 105 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =48
breakpoint: 13206780 − 13206789 wil−2 bur−0

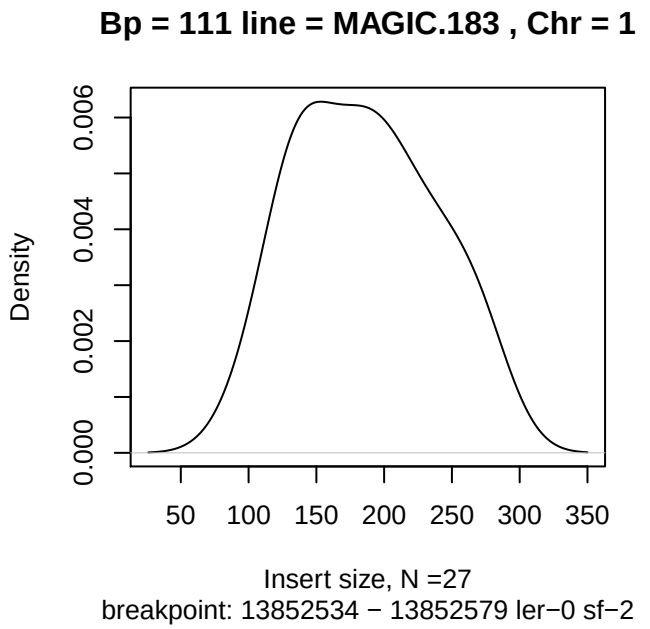

Bp = 106 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =62
breakpoint: 13223699 − 13223701 bur−0 wu−0

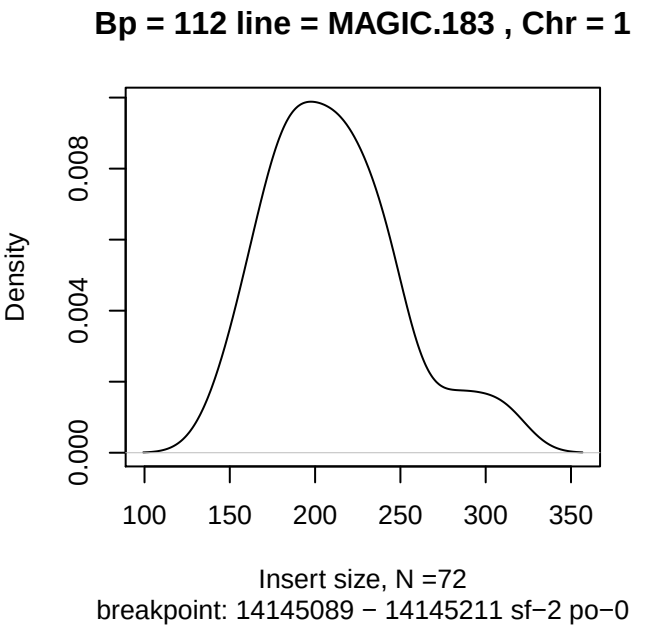

Bp = 107 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
200
300
Insert size, N =43
breakpoint: 13400607 − 13400631 wu−0 col−0

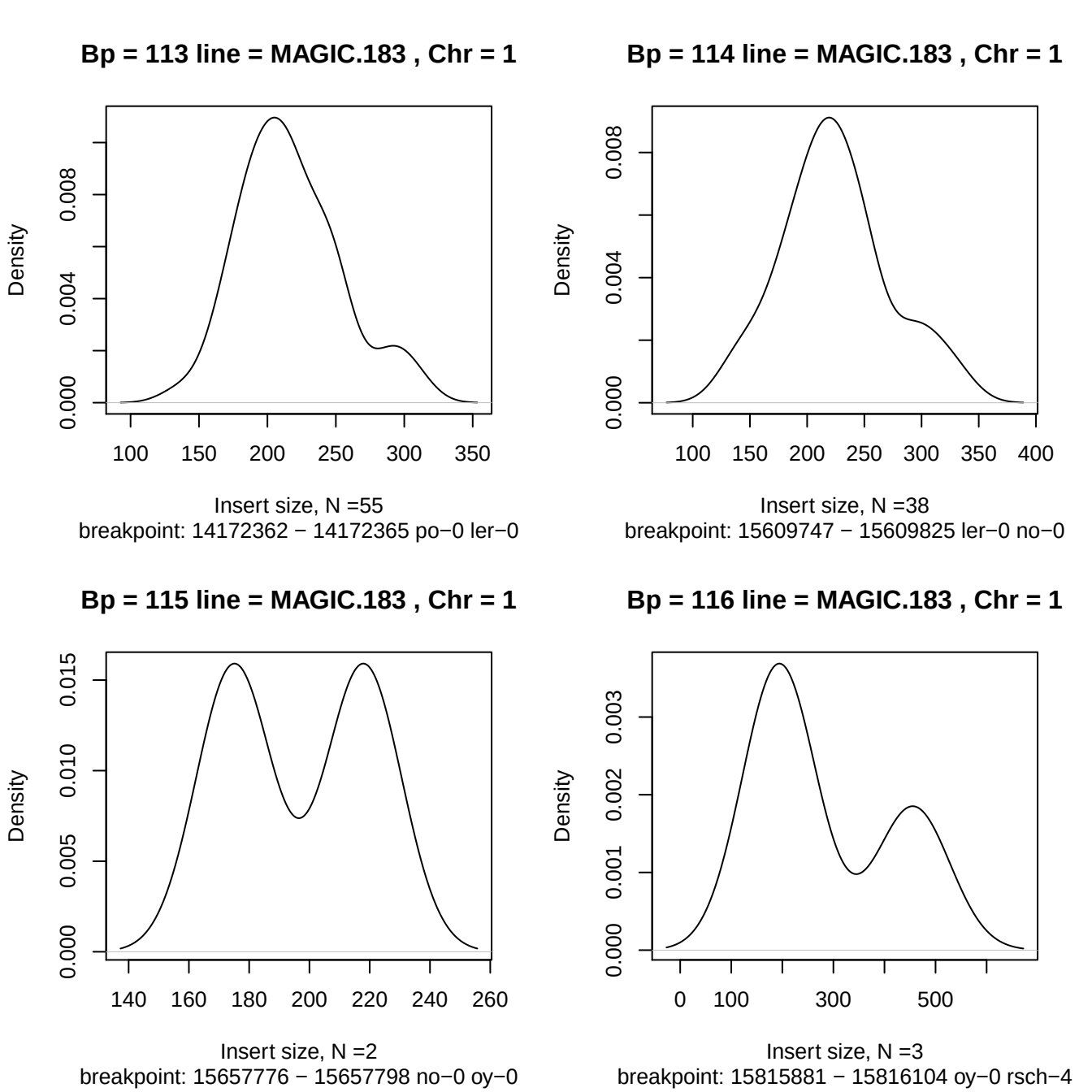

Bp = 108 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =41
breakpoint: 13457767 − 13457838 col−0 sf−2

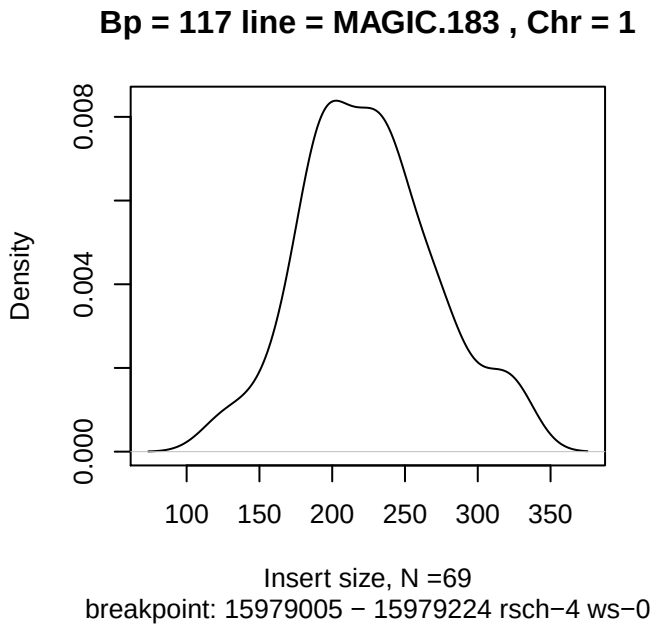

Bp = 109 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =70
breakpoint: 13470627 − 13470655 sf−2 col−0

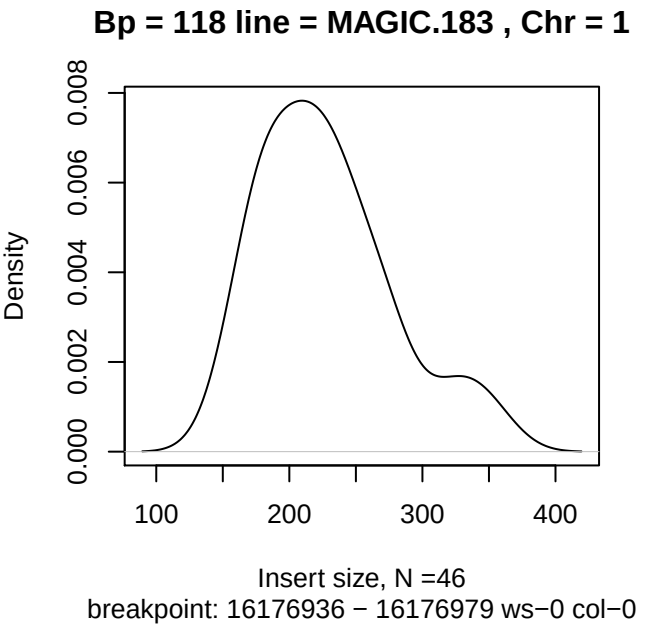

Bp = 110 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =53
breakpoint: 13699028 − 13699051 col−0 ler−0

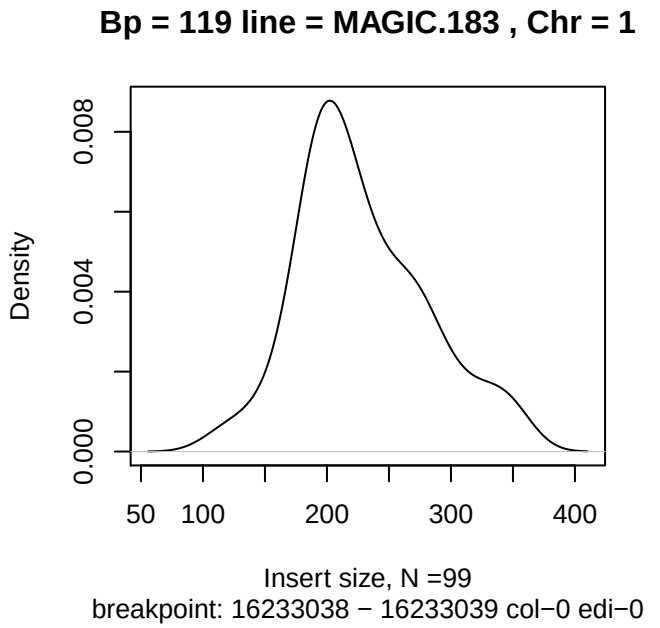

Bp = 111 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
50
100
150
200
250
300
350
Insert size, N =27
breakpoint: 13852534 − 13852579 ler−0 sf−2

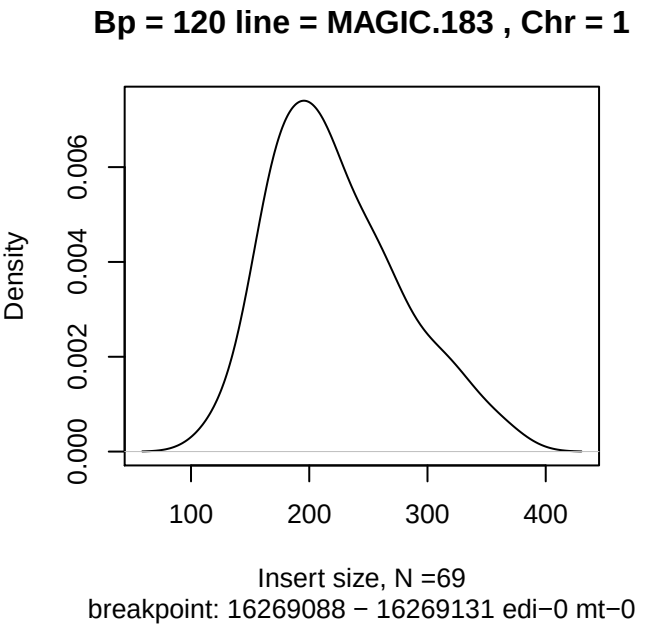

Bp = 112 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =72
breakpoint: 14145089 − 14145211 sf−2 po−0

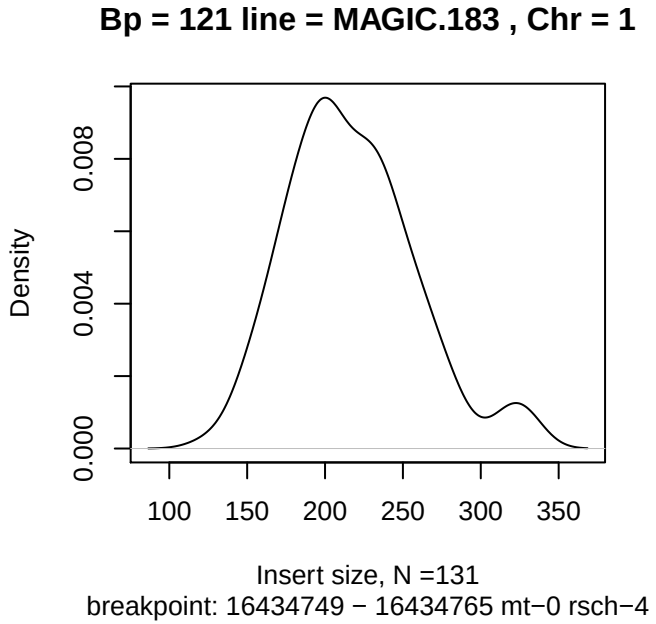

Bp = 113 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 14172362 − 14172365 po−0 ler−0
Bp = 114 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =38
breakpoint: 15609747 − 15609825 ler−0 no−0
Bp = 115 line = MAGIC.183 , Chr = 1
Density
0.000
0.005
0.010
0.015
140
160
180
200
220
240
260
Insert size, N =2
breakpoint: 15657776 − 15657798 no−0 oy−0
Bp = 116 line = MAGIC.183 , Chr = 1
Density
0.000
0.001
0.002
0.003
0
100
300
500
Insert size, N =3
breakpoint: 15815881 − 15816104 oy−0 rsch−4

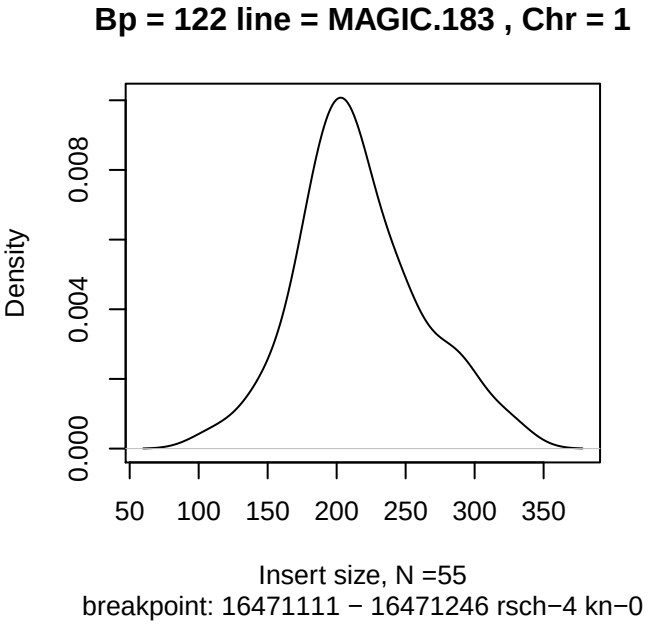

Bp = 117 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =69
breakpoint: 15979005 − 15979224 rsch−4 ws−0

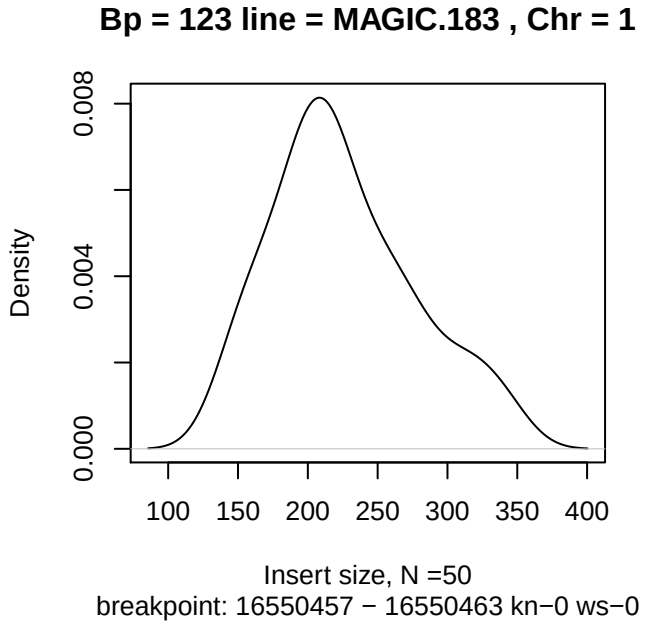

Bp = 118 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =46
breakpoint: 16176936 − 16176979 ws−0 col−0

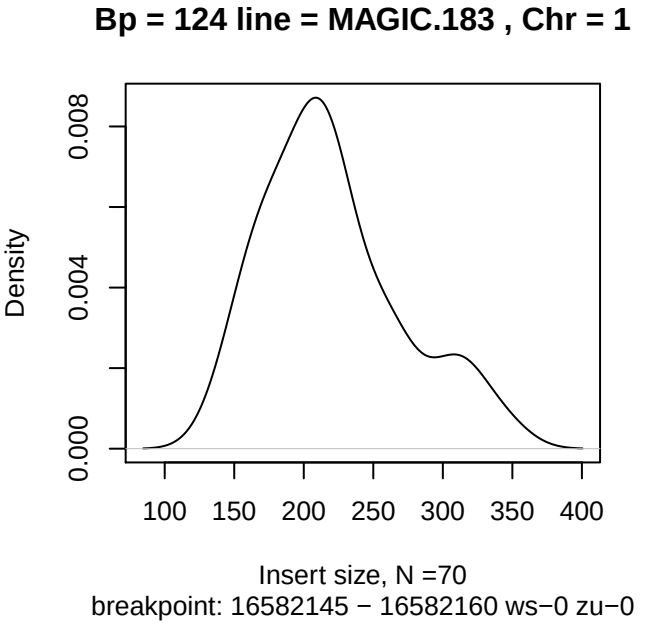

Bp = 119 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =99
breakpoint: 16233038 − 16233039 col−0 edi−0

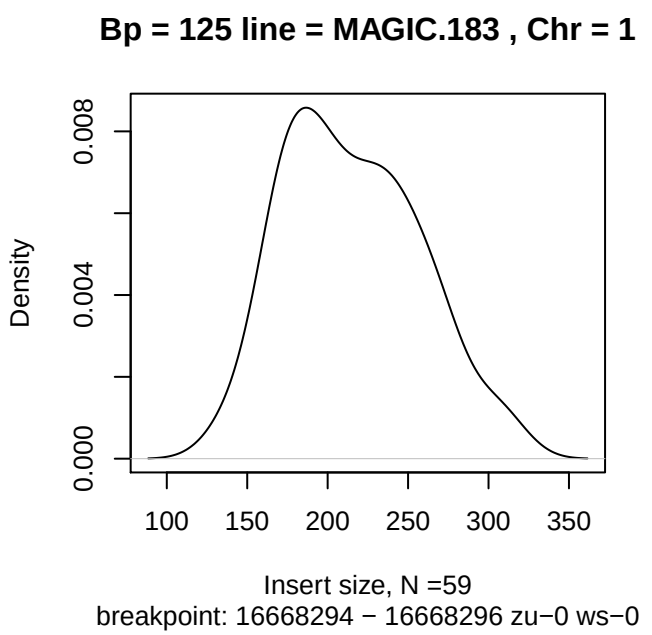

Bp = 120 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =69
breakpoint: 16269088 − 16269131 edi−0 mt−0

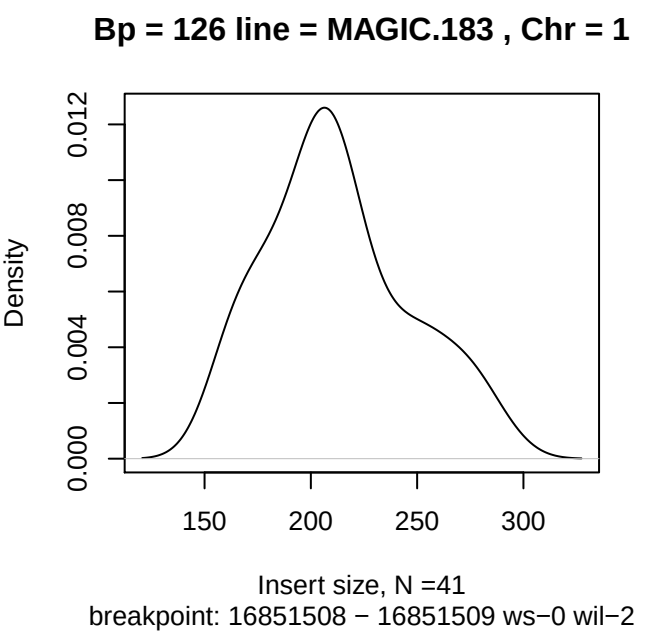

Bp = 121 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =131
breakpoint: 16434749 − 16434765 mt−0 rsch−4

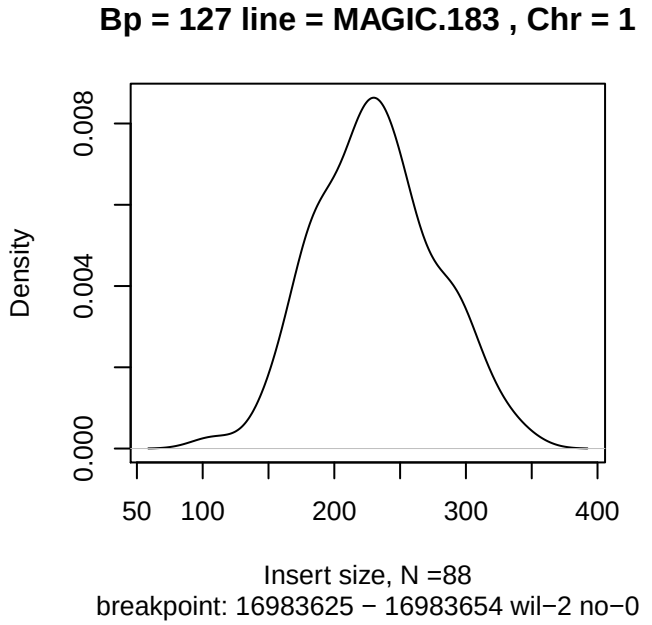

Bp = 122 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =55
breakpoint: 16471111 − 16471246 rsch−4 kn−0

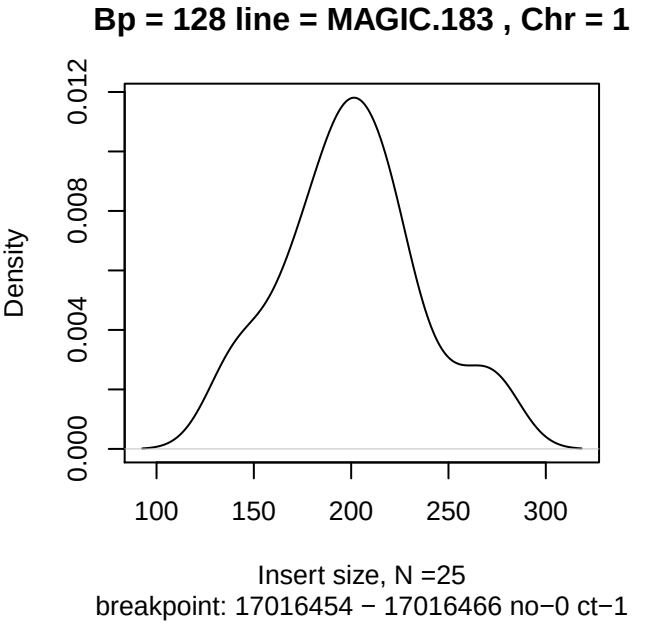

Bp = 123 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =50
breakpoint: 16550457 − 16550463 kn−0 ws−0

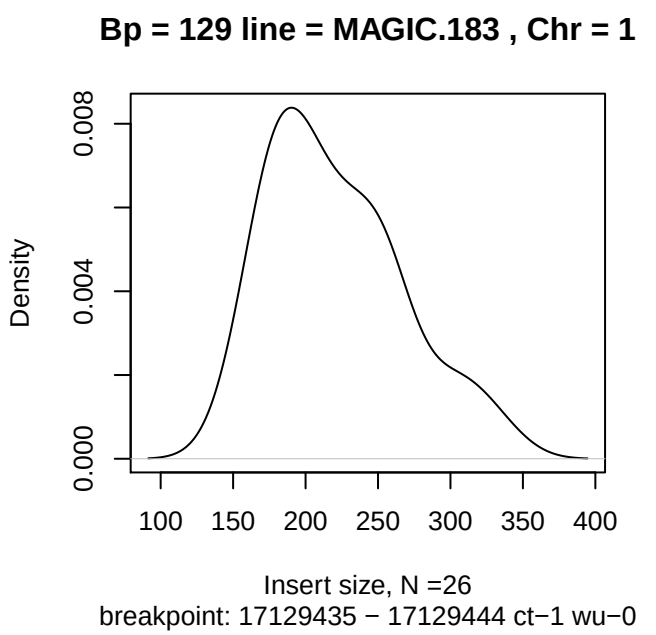

Bp = 124 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =70
breakpoint: 16582145 − 16582160 ws−0 zu−0

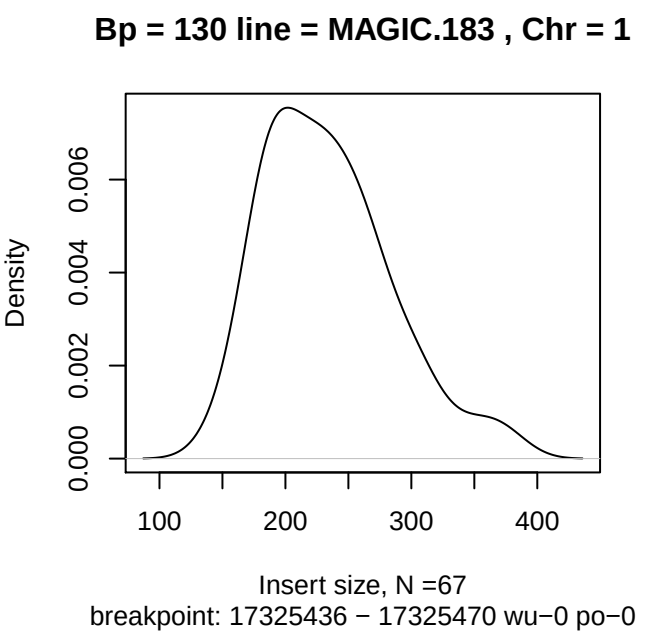

Bp = 125 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =59
breakpoint: 16668294 − 16668296 zu−0 ws−0

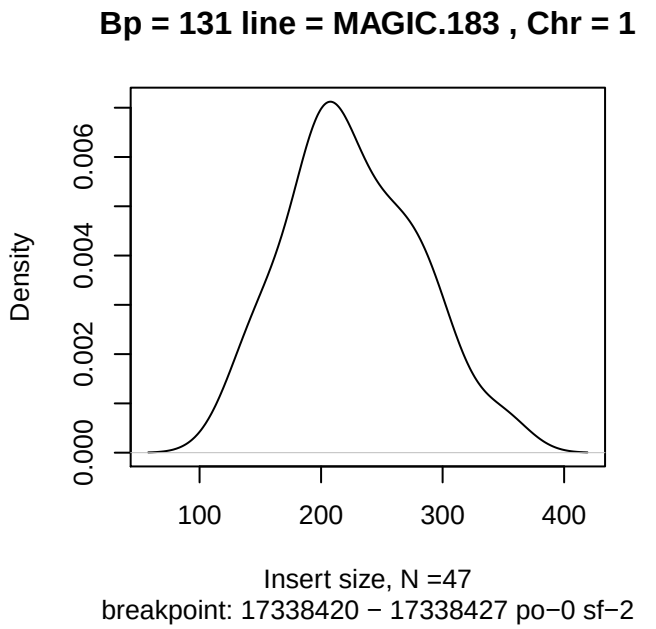

Bp = 126 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
150
200
250
300
Insert size, N =41
breakpoint: 16851508 − 16851509 ws−0 wil−2

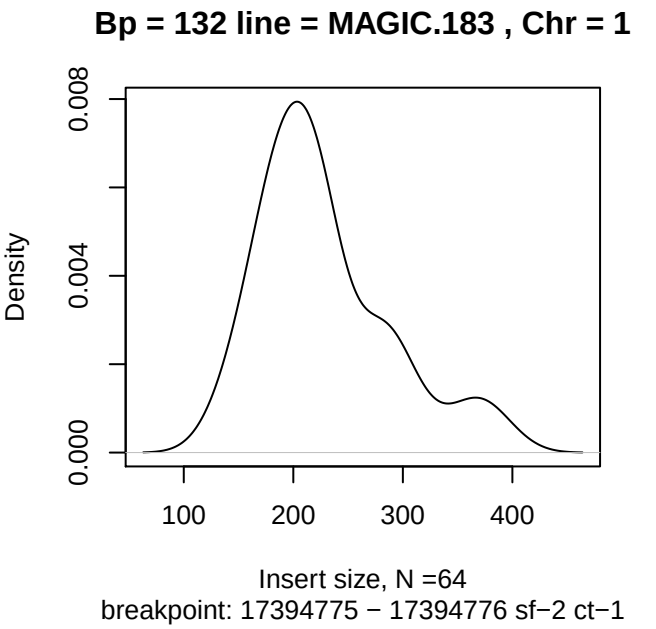

Bp = 127 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =88
breakpoint: 16983625 − 16983654 wil−2 no−0

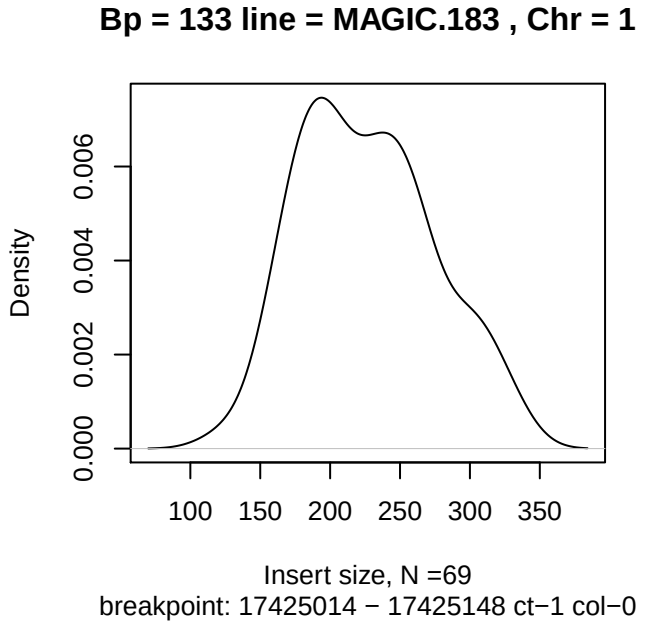

Bp = 128 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =25
breakpoint: 17016454 − 17016466 no−0 ct−1

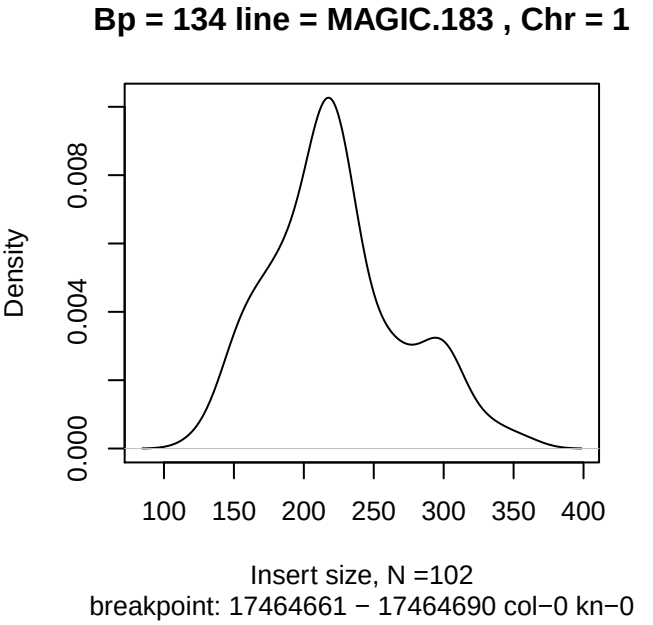

Bp = 129 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =26
breakpoint: 17129435 − 17129444 ct−1 wu−0

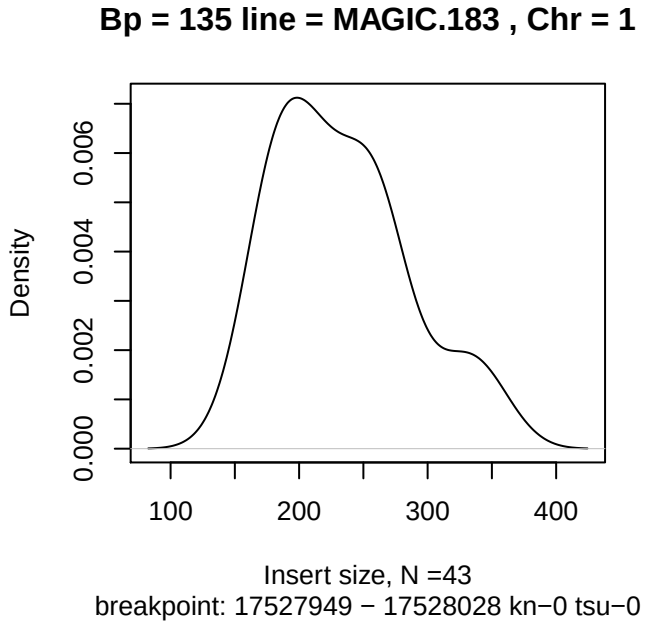

Bp = 130 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =67
breakpoint: 17325436 − 17325470 wu−0 po−0

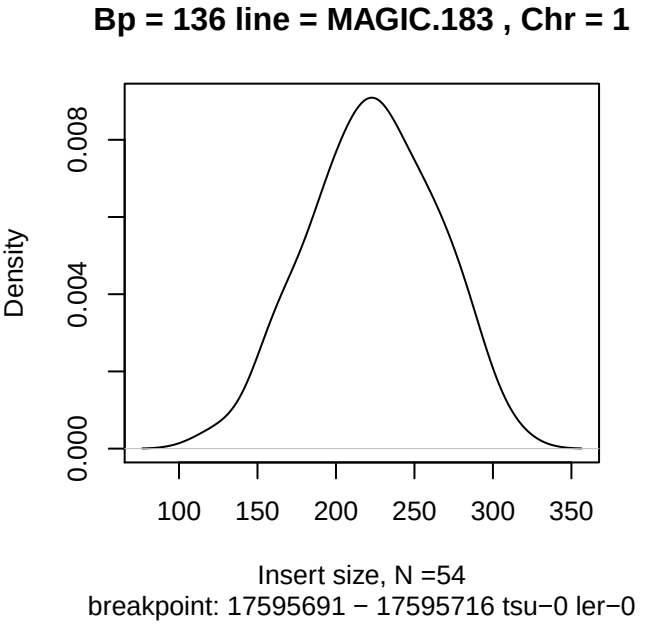

Bp = 131 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =47
breakpoint: 17338420 − 17338427 po−0 sf−2

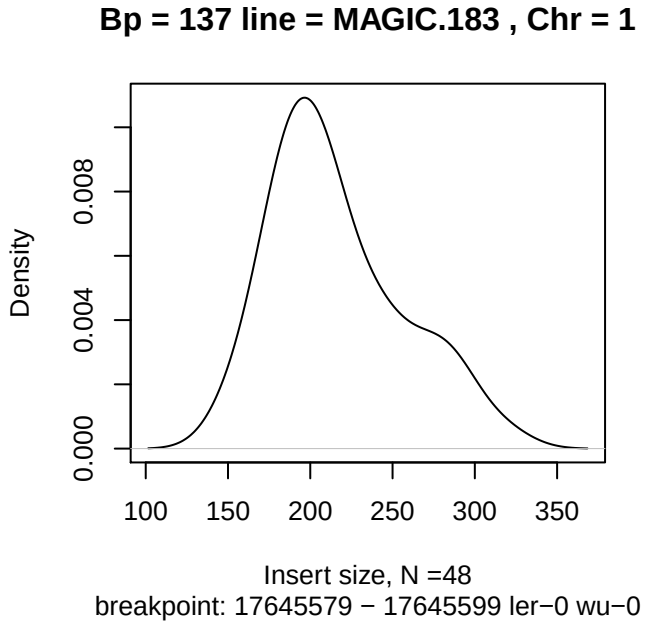

Bp = 132 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =64
breakpoint: 17394775 − 17394776 sf−2 ct−1

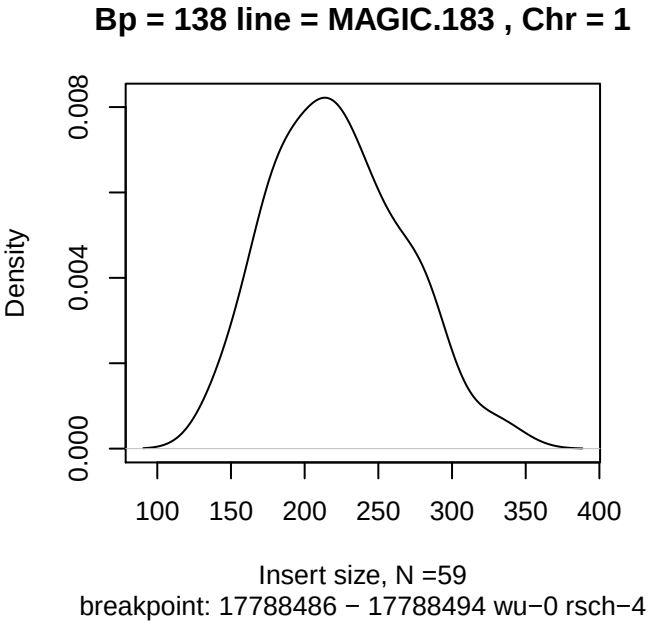

Bp = 133 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =69
breakpoint: 17425014 − 17425148 ct−1 col−0

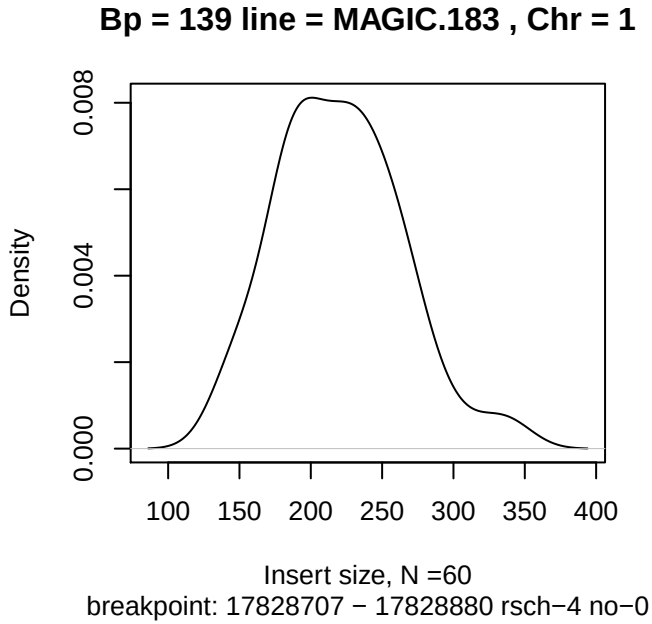

Bp = 134 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =102
breakpoint: 17464661 − 17464690 col−0 kn−0

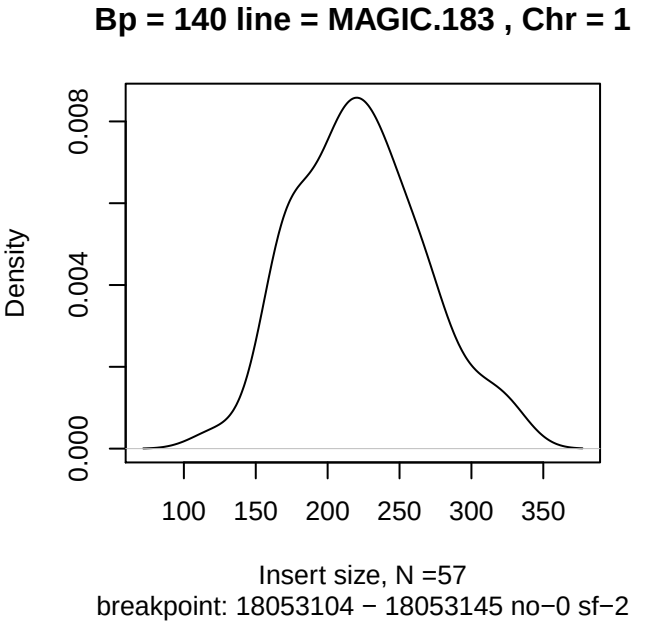

Bp = 135 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =43
breakpoint: 17527949 − 17528028 kn−0 tsu−0

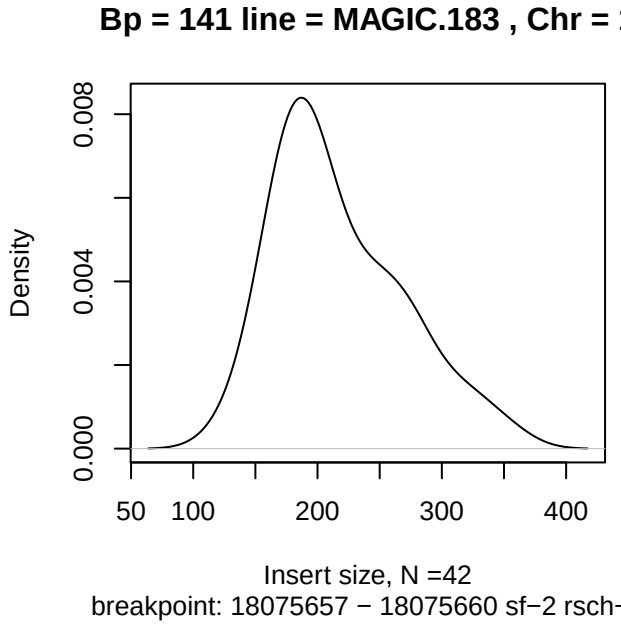

Bp = 136 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =54
breakpoint: 17595691 − 17595716 tsu−0 ler−0

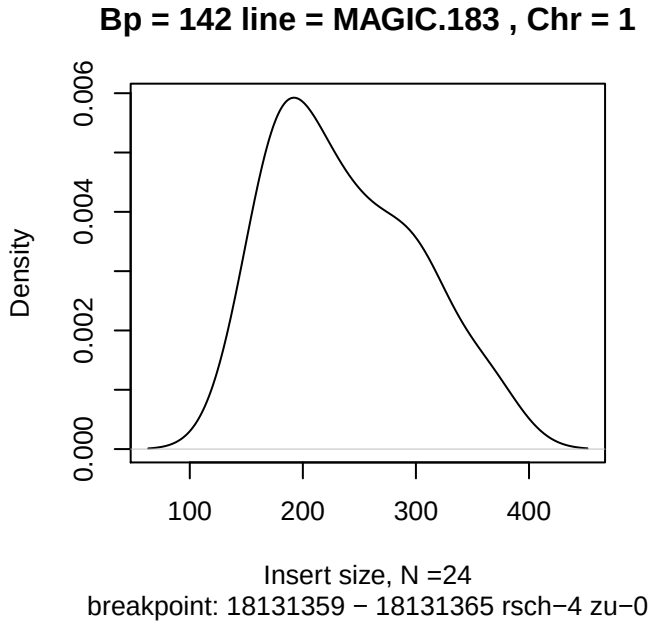

Bp = 137 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 17645579 − 17645599 ler−0 wu−0

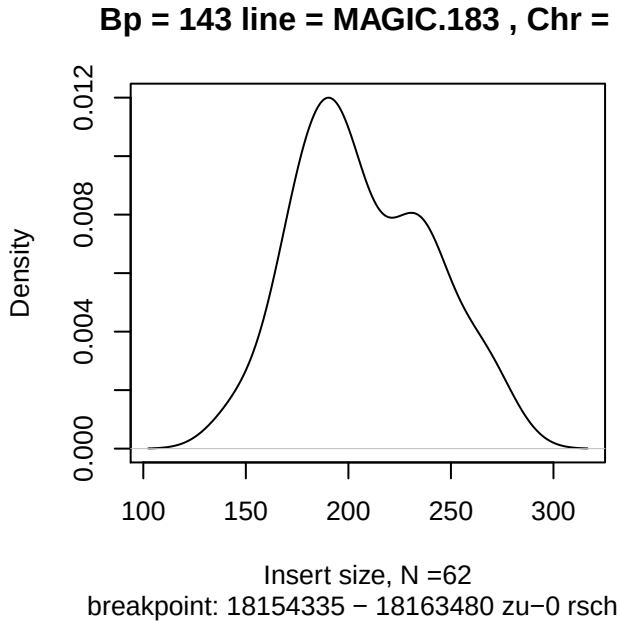

Bp = 138 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =59
breakpoint: 17788486 − 17788494 wu−0 rsch−4

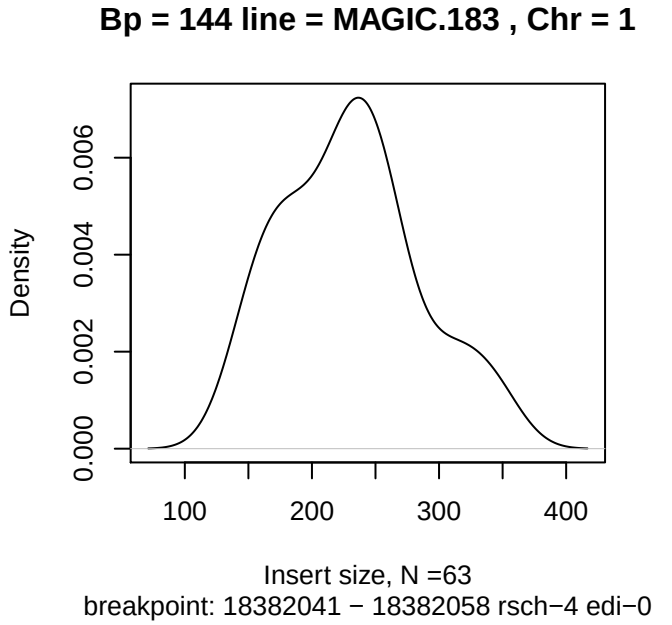

Bp = 139 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =60
breakpoint: 17828707 − 17828880 rsch−4 no−0

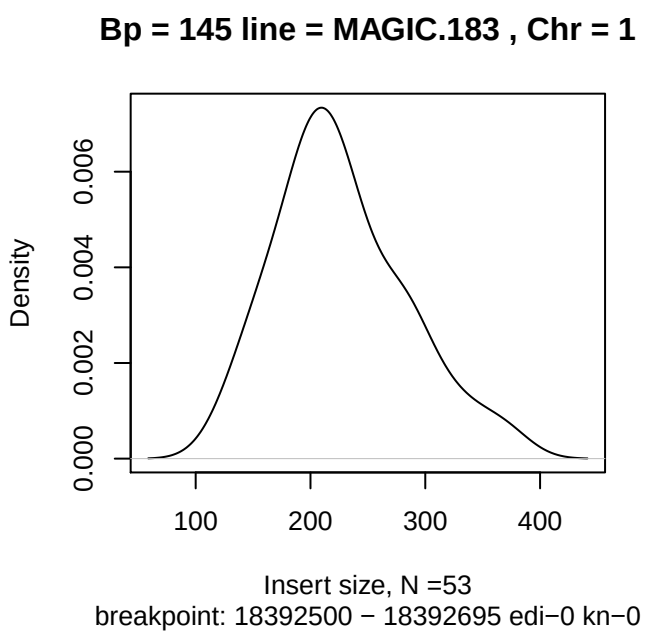

Bp = 140 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =57
breakpoint: 18053104 − 18053145 no−0 sf−2

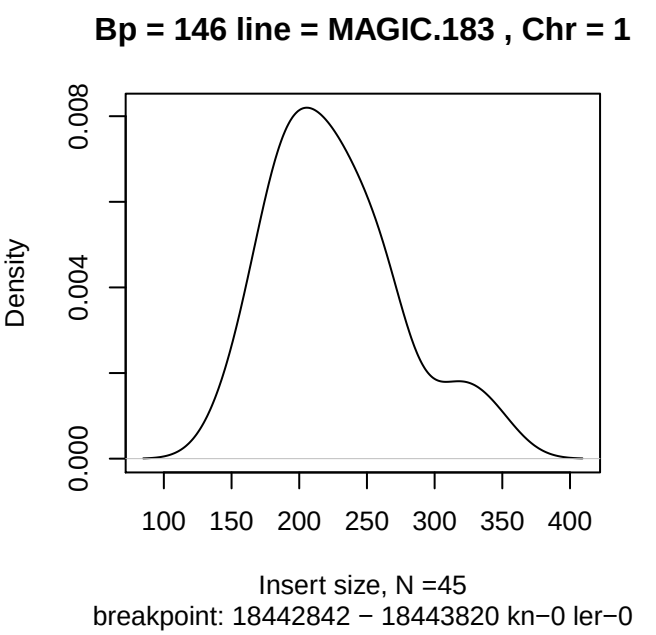

Bp = 141 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =42
breakpoint: 18075657 − 18075660 sf−2 rsch−4

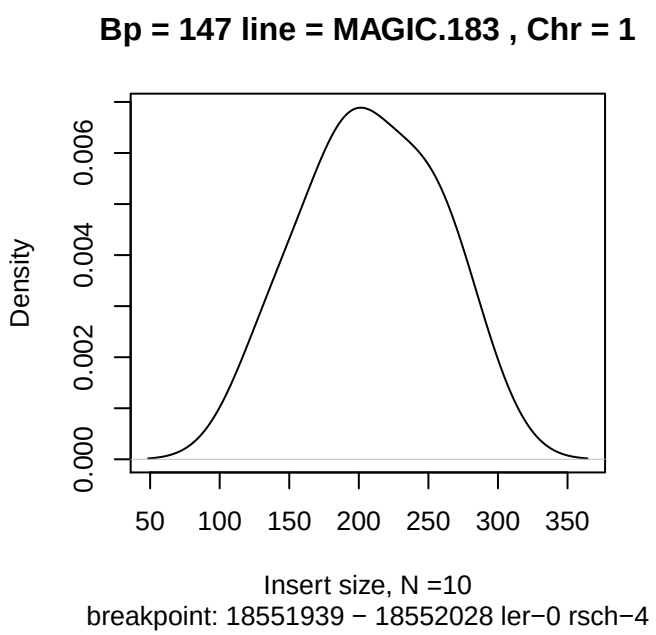

Bp = 142 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =24
breakpoint: 18131359 − 18131365 rsch−4 zu−0

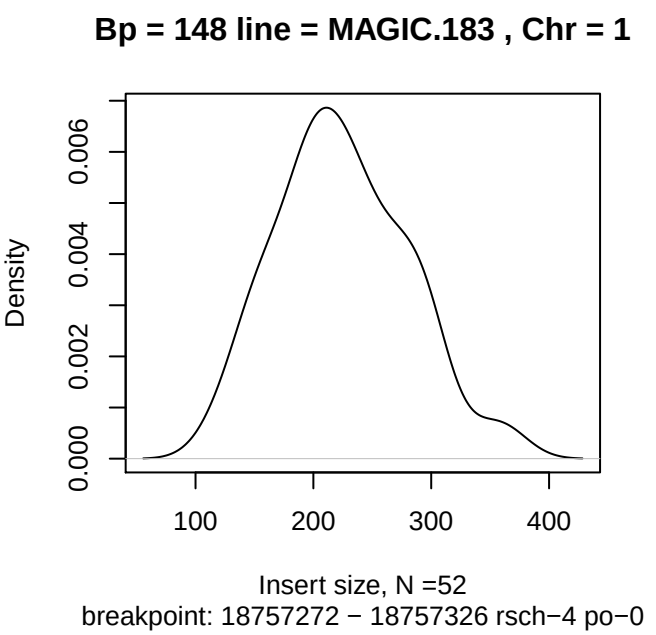

Bp = 143 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =62
breakpoint: 18154335 − 18163480 zu−0 rsch−4

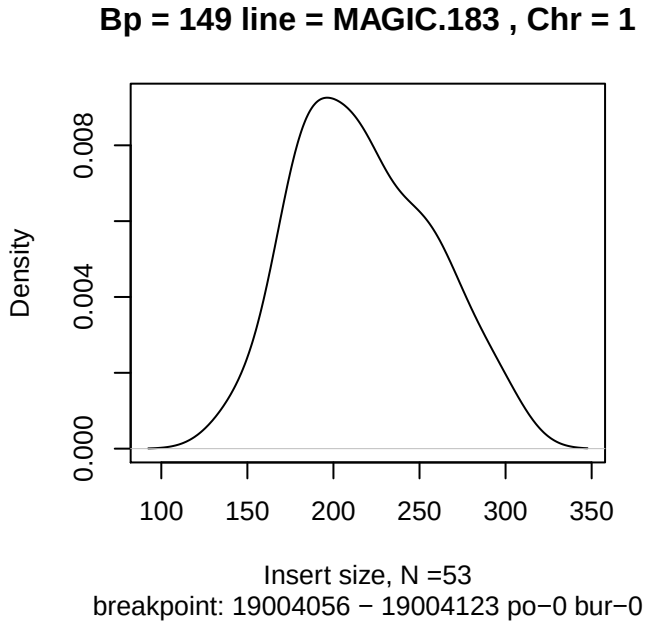

Bp = 144 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =63
breakpoint: 18382041 − 18382058 rsch−4 edi−0

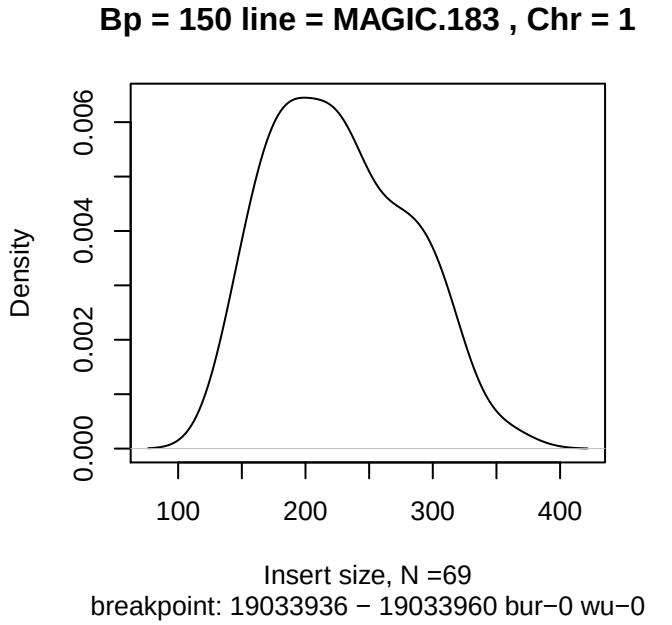

Bp = 145 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =53
breakpoint: 18392500 − 18392695 edi−0 kn−0

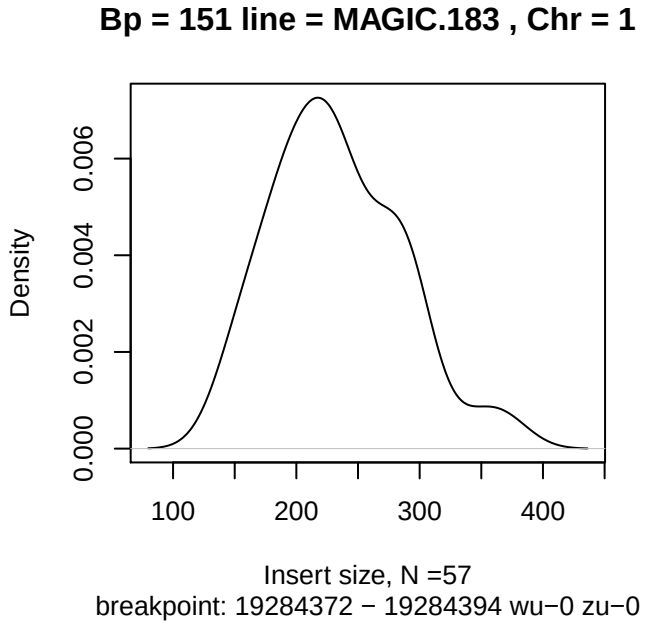

Bp = 146 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =45
breakpoint: 18442842 − 18443820 kn−0 ler−0

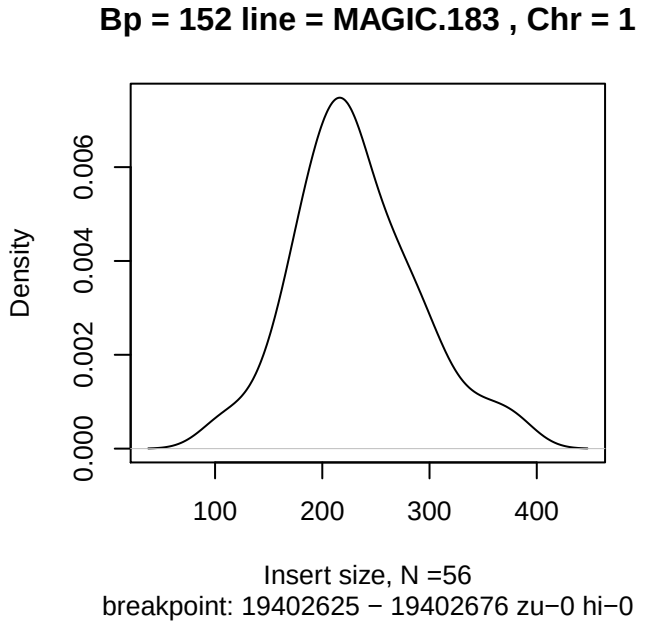

Bp = 147 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
50
100
150
200
250
300
350
Insert size, N =10
breakpoint: 18551939 − 18552028 ler−0 rsch−4

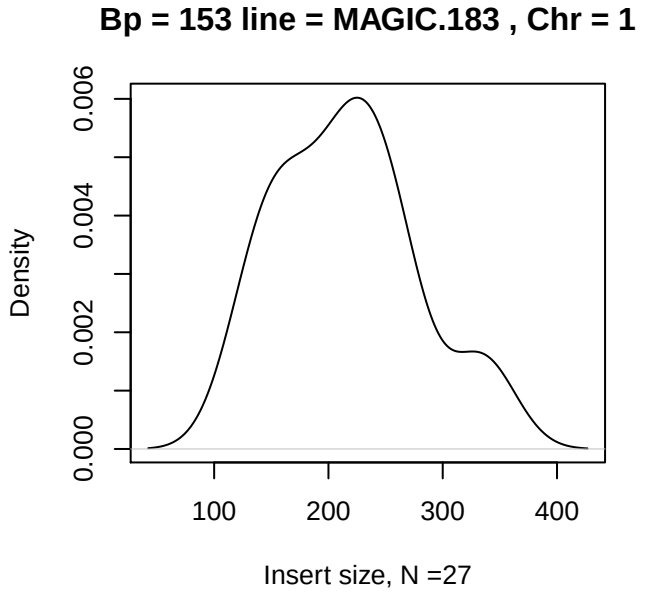

Bp = 148 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =52
breakpoint: 18757272 − 18757326 rsch−4 po−0

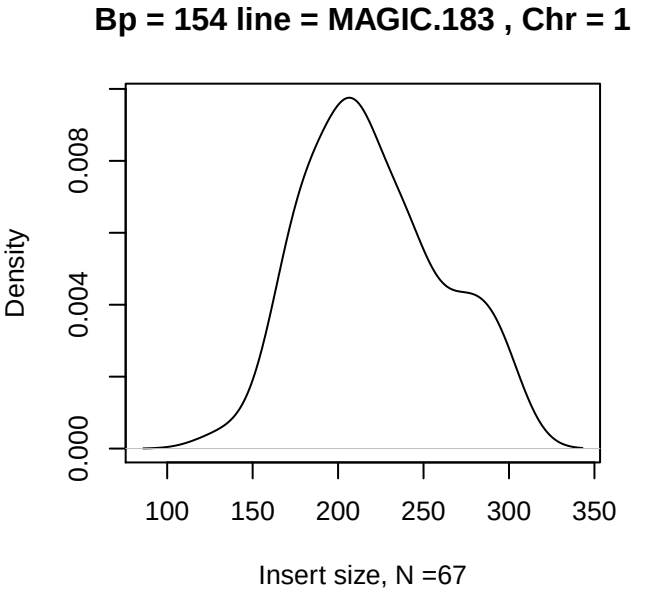

Bp = 149 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =53
breakpoint: 19004056 − 19004123 po−0 bur−0

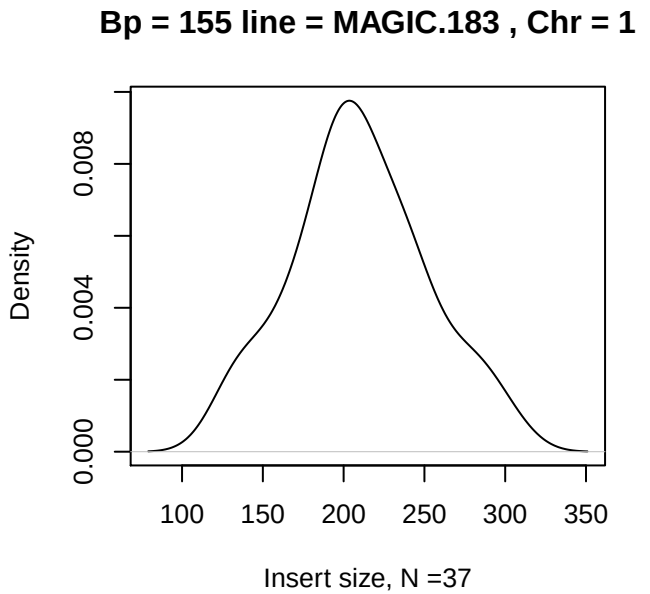

Bp = 150 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =69
breakpoint: 19033936 − 19033960 bur−0 wu−0

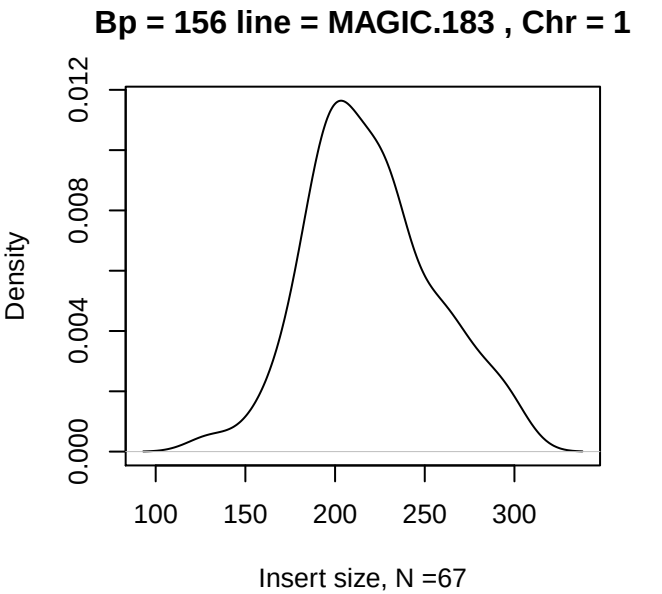

Bp = 151 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =57
breakpoint: 19284372 − 19284394 wu−0 zu−0

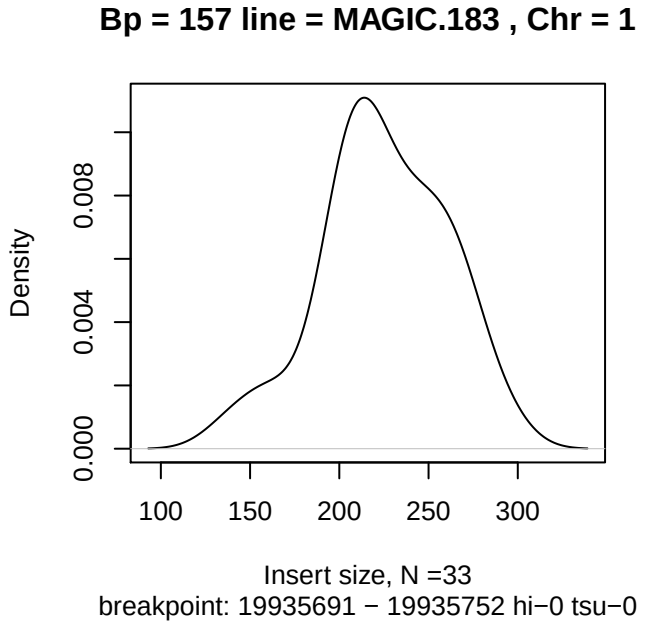

Bp = 152 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =56
breakpoint: 19402625 − 19402676 zu−0 hi−0

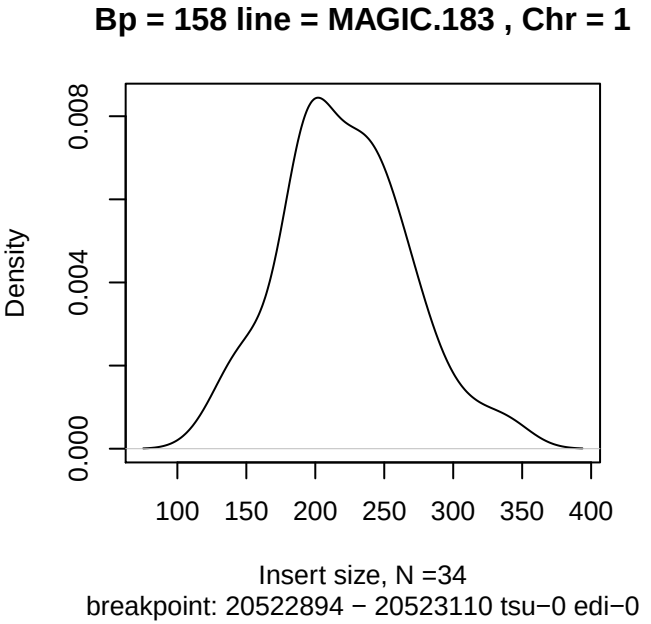

Bp = 153 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =27
breakpoint: 19477963 − 19478044 hi−0 col−0

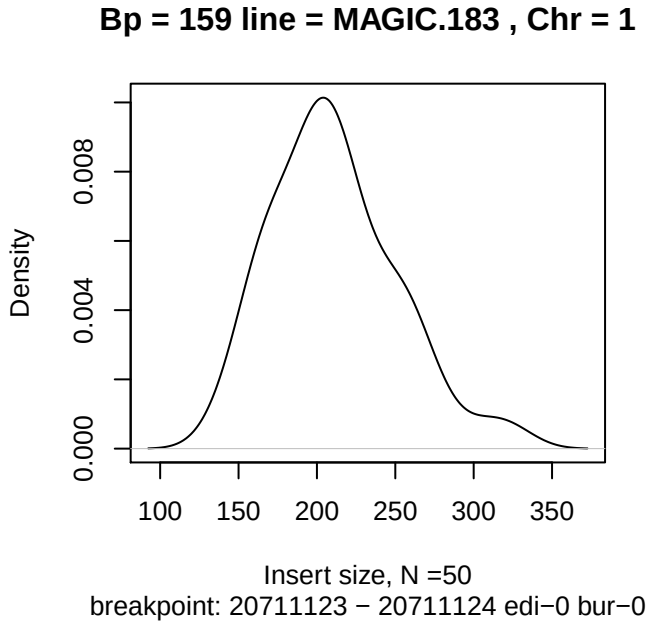

Bp = 154 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =67
breakpoint: 19656488 − 19656508 col−0 oy−0

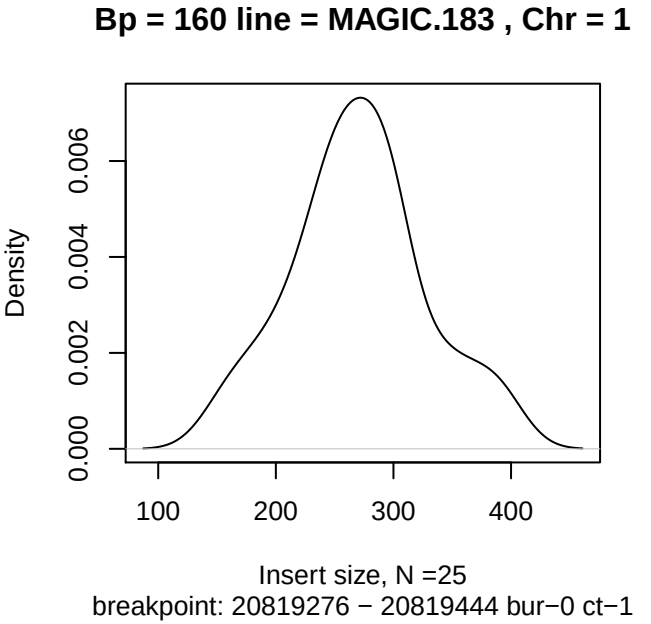

Bp = 155 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =37
breakpoint: 19894045 − 19894073 oy−0 ct−1

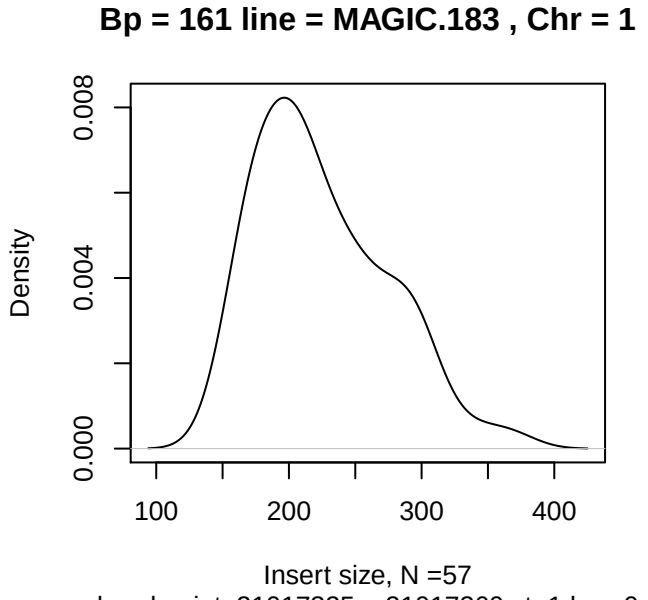

Bp = 156 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =67
breakpoint: 19901086 − 19901096 ct−1 hi−0

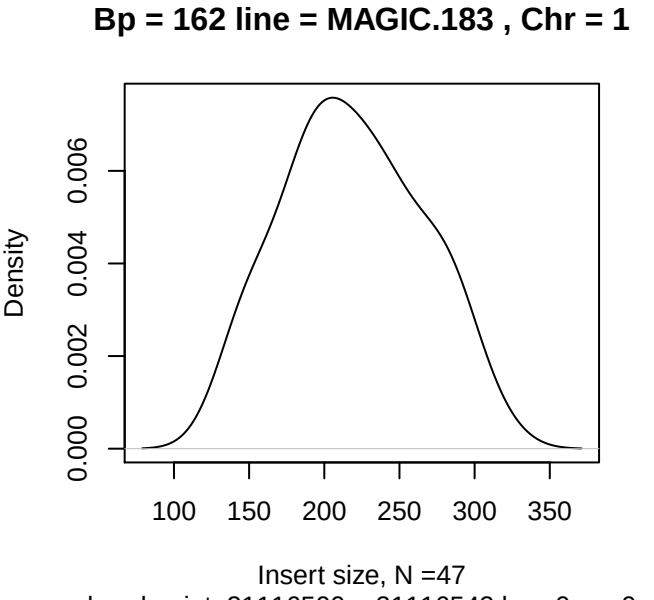

Bp = 157 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =33
breakpoint: 19935691 − 19935752 hi−0 tsu−0

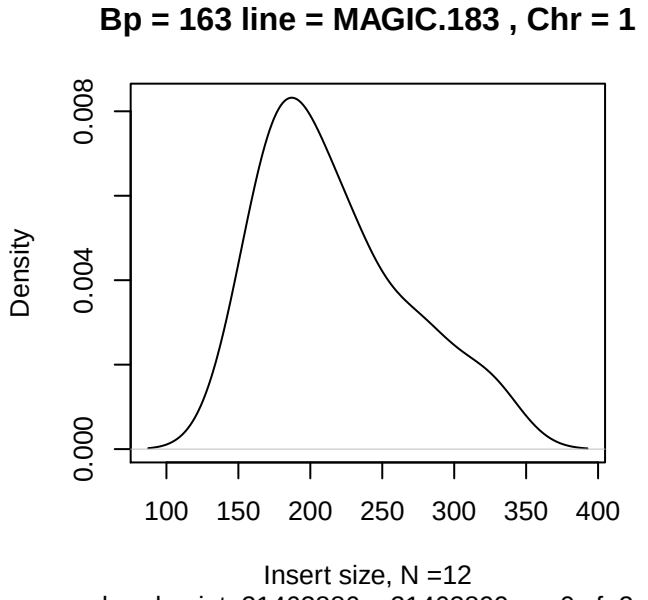

Bp = 158 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =34
breakpoint: 20522894 − 20523110 tsu−0 edi−0

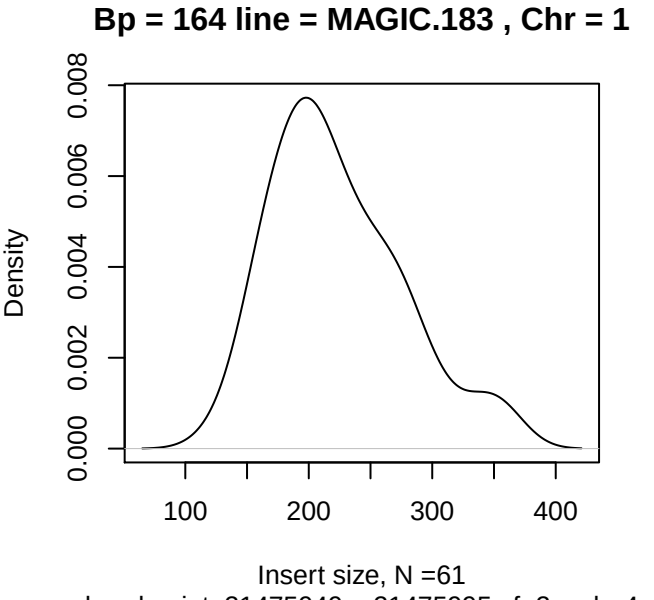

Bp = 159 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =50
breakpoint: 20711123 − 20711124 edi−0 bur−0

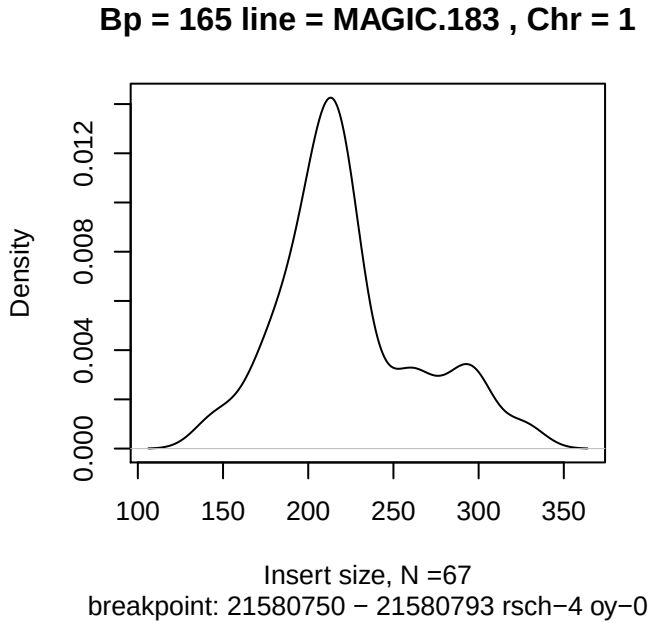

Bp = 160 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =25
breakpoint: 20819276 − 20819444 bur−0 ct−1

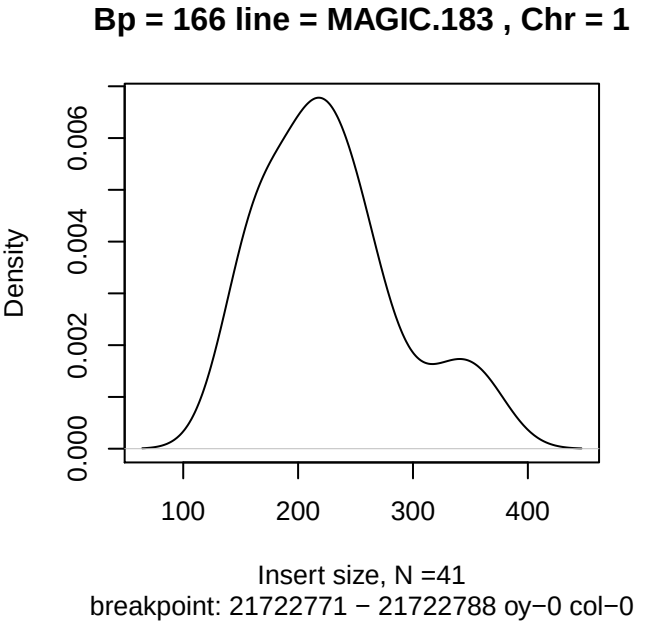

Bp = 161 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =57
breakpoint: 21017325 − 21017360 ct−1 bur−0

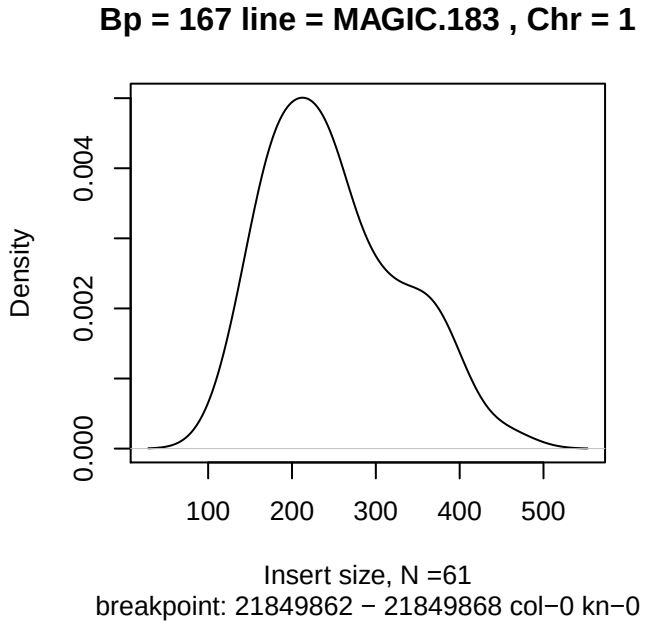

Bp = 162 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =47
breakpoint: 21116500 − 21116542 bur−0 zu−0

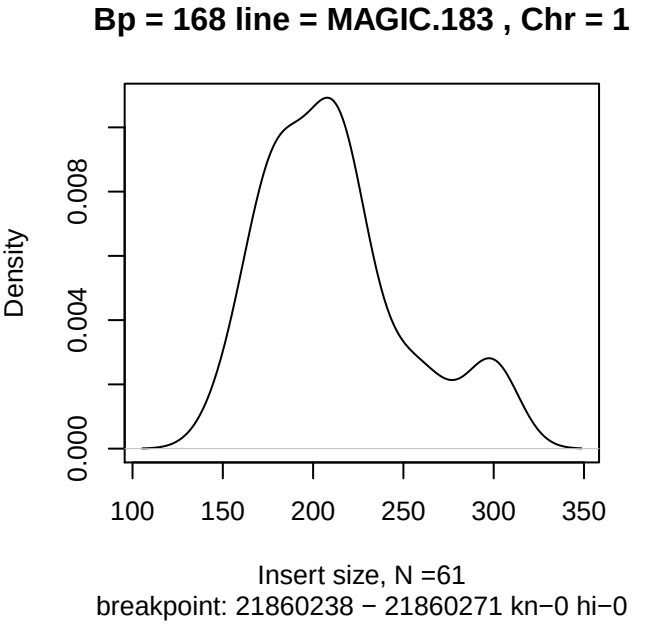

Bp = 163 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =12
breakpoint: 21463886 − 21463899 zu−0 sf−2

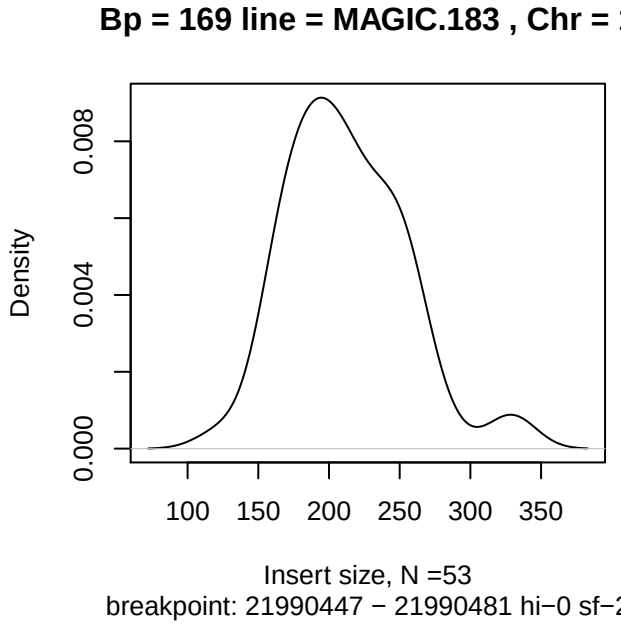

Bp = 164 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =61
breakpoint: 21475949 − 21475995 sf−2 rsch−4

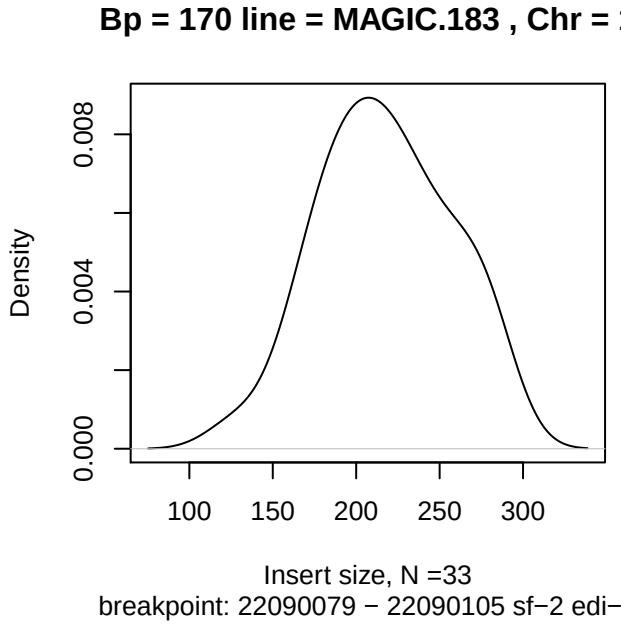

Bp = 165 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =67
breakpoint: 21580750 − 21580793 rsch−4 oy−0

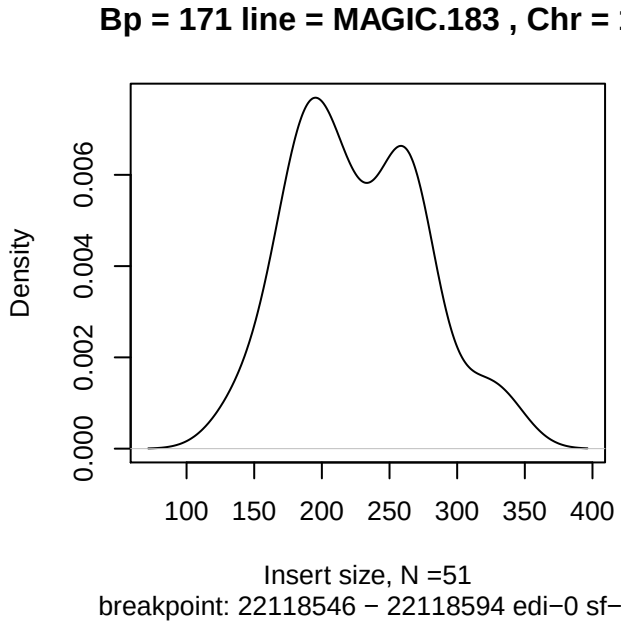

Bp = 166 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =41
breakpoint: 21722771 − 21722788 oy−0 col−0

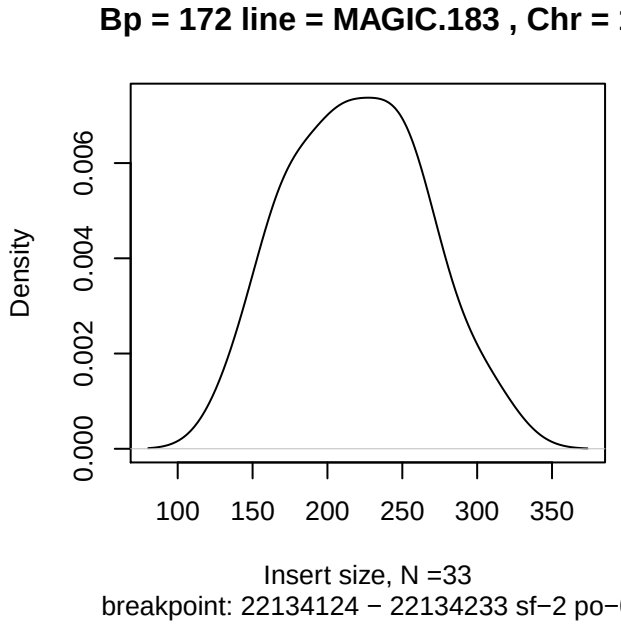

Bp = 167 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
100
200
300
400
500
Insert size, N =61
breakpoint: 21849862 − 21849868 col−0 kn−0

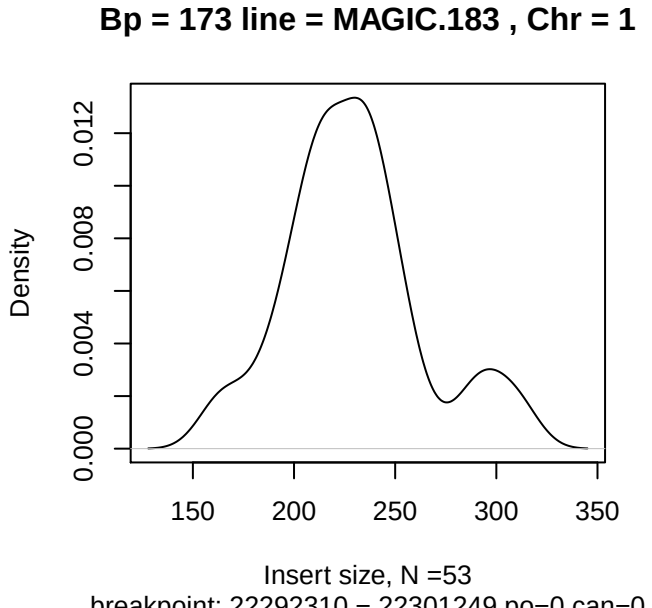

Bp = 168 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =61
breakpoint: 21860238 − 21860271 kn−0 hi−0

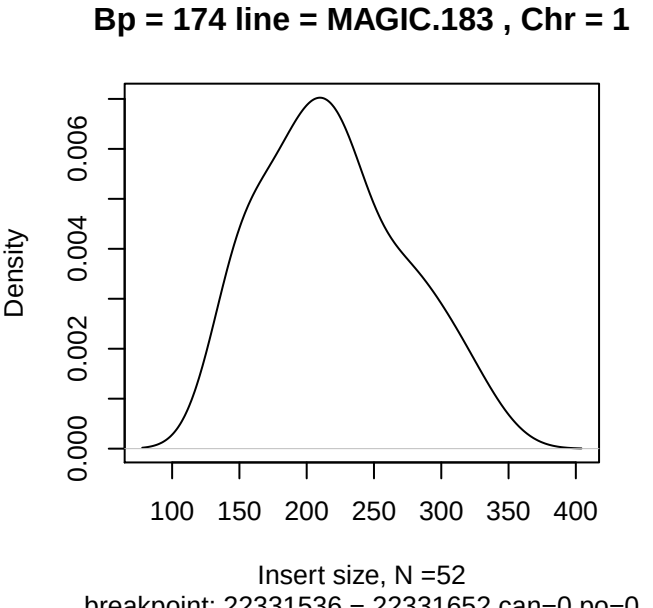

Bp = 169 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =53
breakpoint: 21990447 − 21990481 hi−0 sf−2

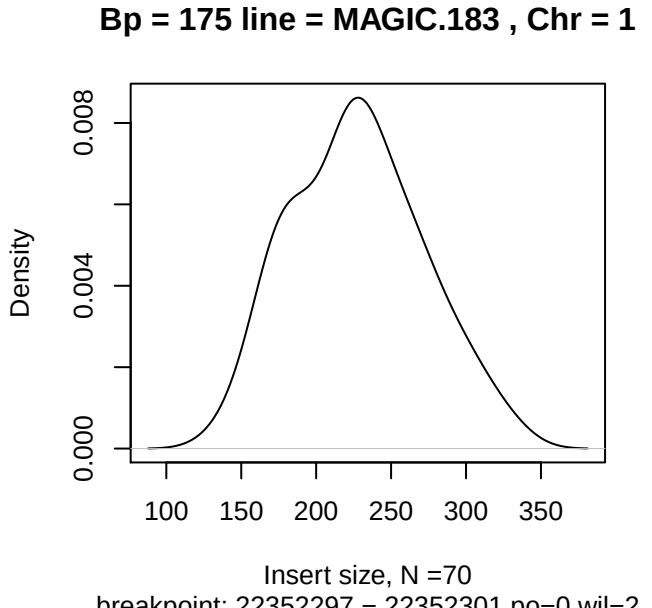

Bp = 170 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =33
breakpoint: 22090079 − 22090105 sf−2 edi−0

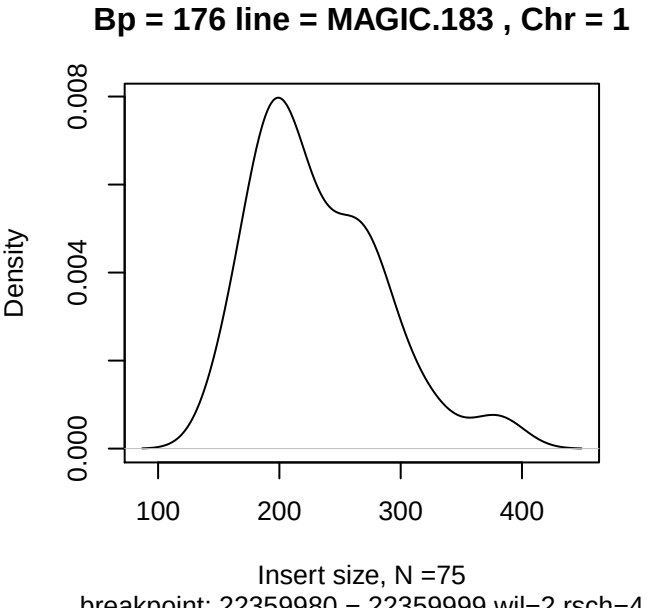

Bp = 171 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =51
breakpoint: 22118546 − 22118594 edi−0 sf−2

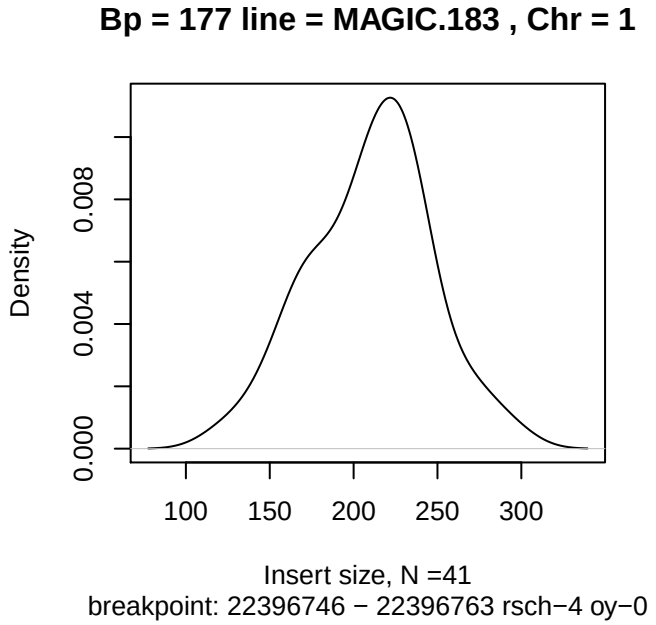

Bp = 172 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =33
breakpoint: 22134124 − 22134233 sf−2 po−0

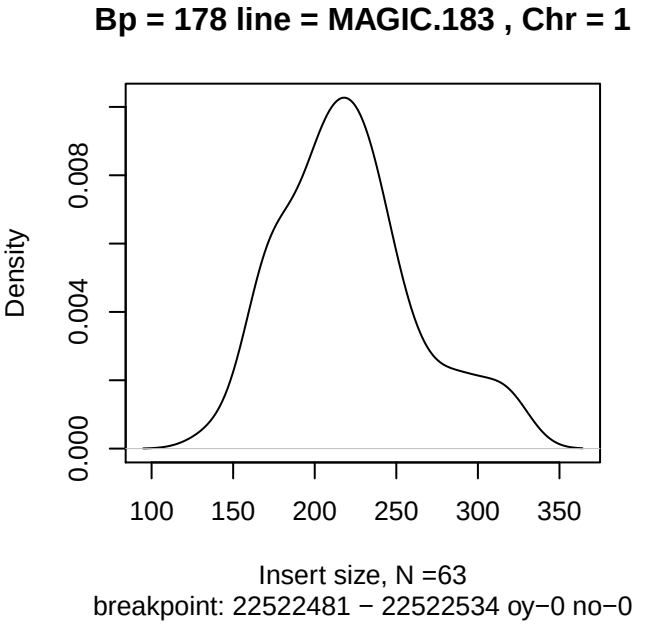

Bp = 173 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
150
200
250
300
350
Insert size, N =53
breakpoint: 22292310 − 22301249 po−0 can−0

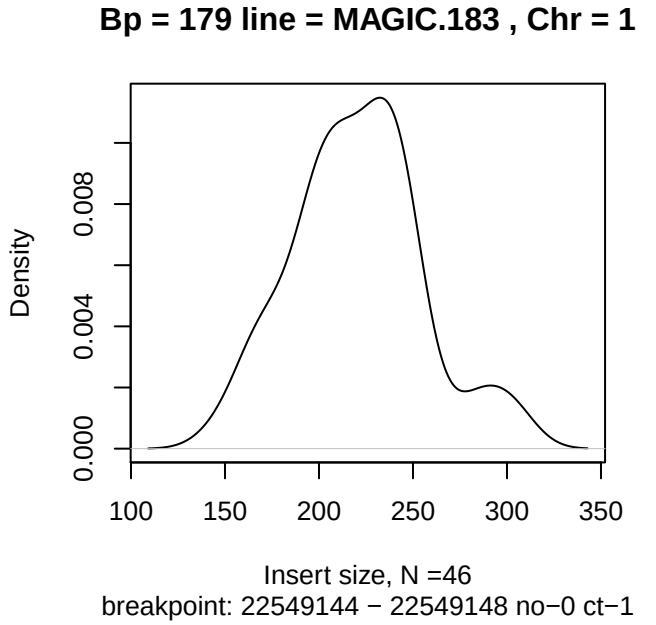

Bp = 174 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =52
breakpoint: 22331536 − 22331652 can−0 po−0

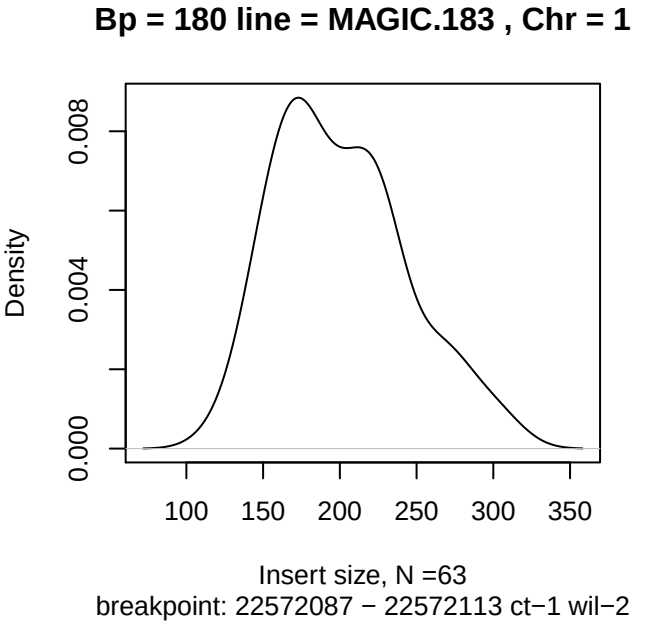

Bp = 175 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =70
breakpoint: 22352297 − 22352301 po−0 wil−2

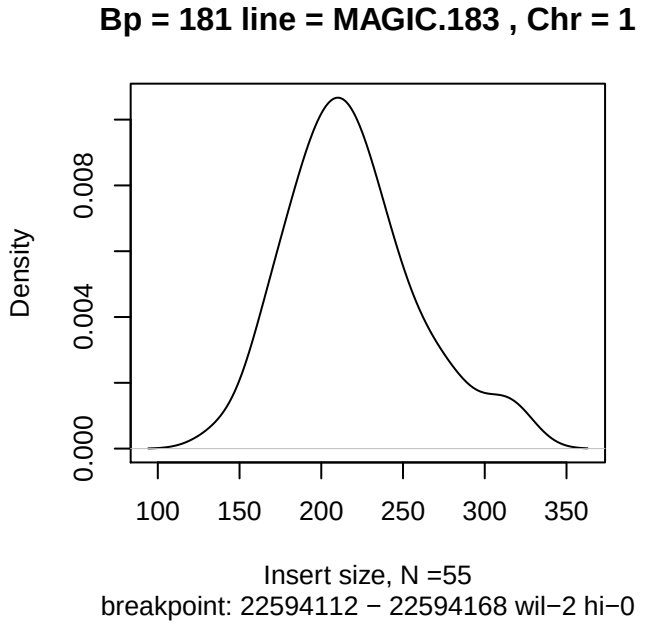

Bp = 176 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =75
breakpoint: 22359980 − 22359999 wil−2 rsch−4

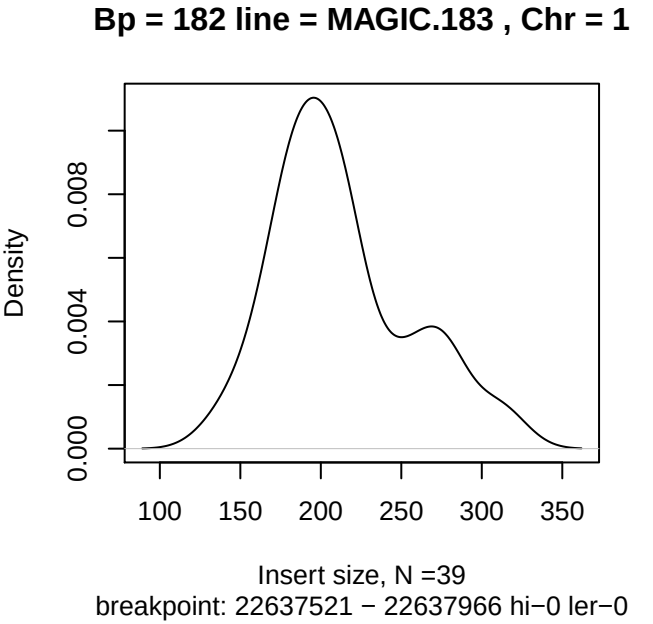

Bp = 177 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =41
breakpoint: 22396746 − 22396763 rsch−4 oy−0

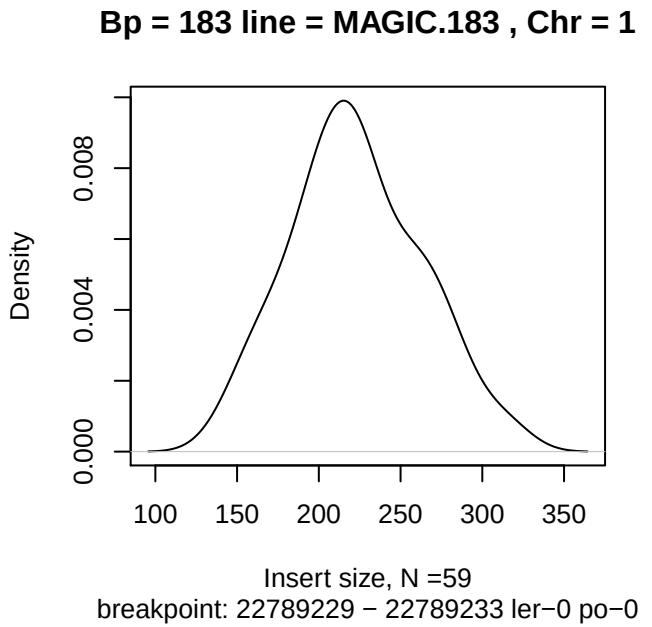

Bp = 178 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =63
breakpoint: 22522481 − 22522534 oy−0 no−0

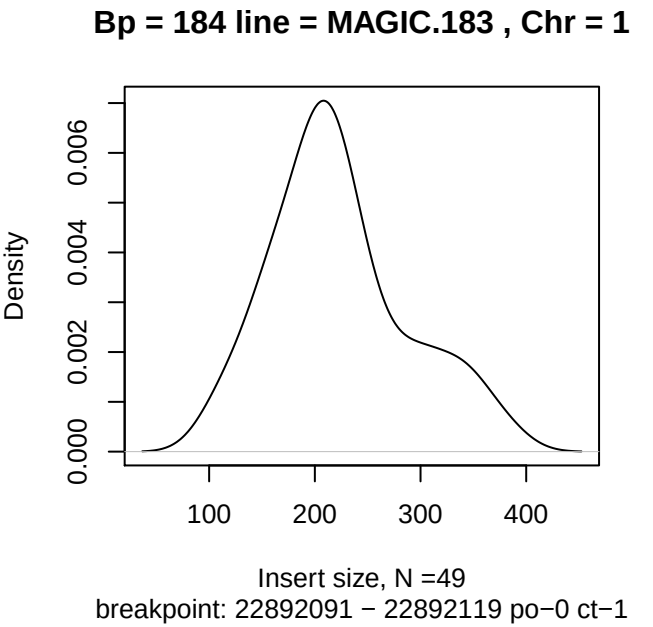

Bp = 179 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =46
breakpoint: 22549144 − 22549148 no−0 ct−1

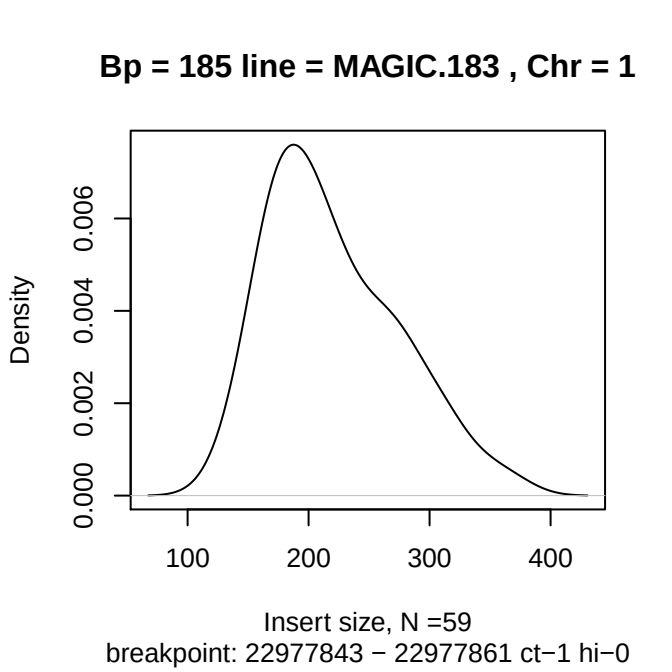

Bp = 180 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =63
breakpoint: 22572087 − 22572113 ct−1 wil−2

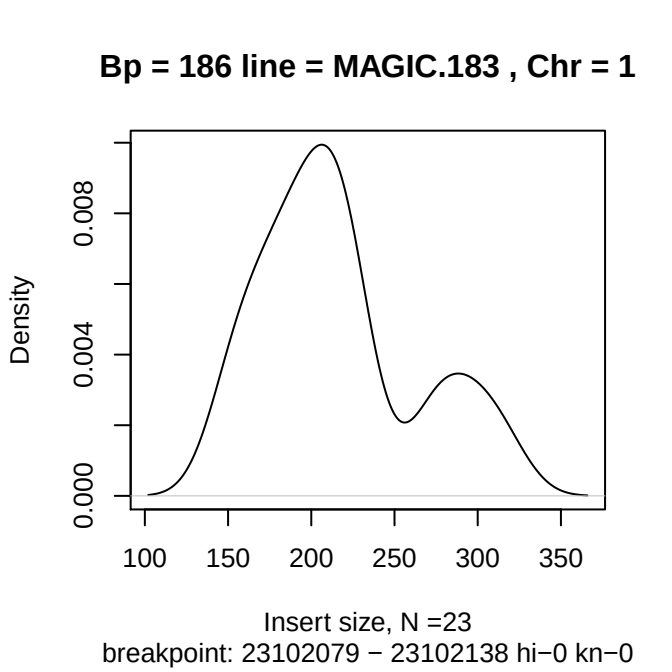

Bp = 181 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 22594112 − 22594168 wil−2 hi−0

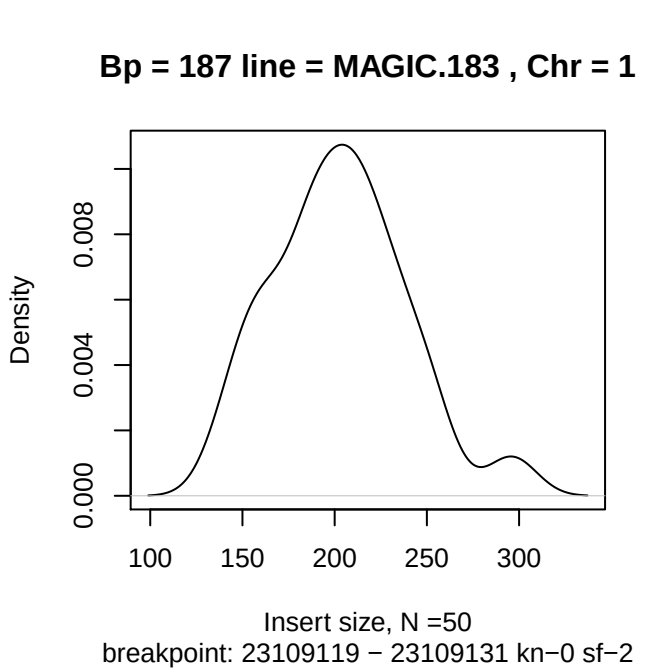

Bp = 182 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 22637521 − 22637966 hi−0 ler−0

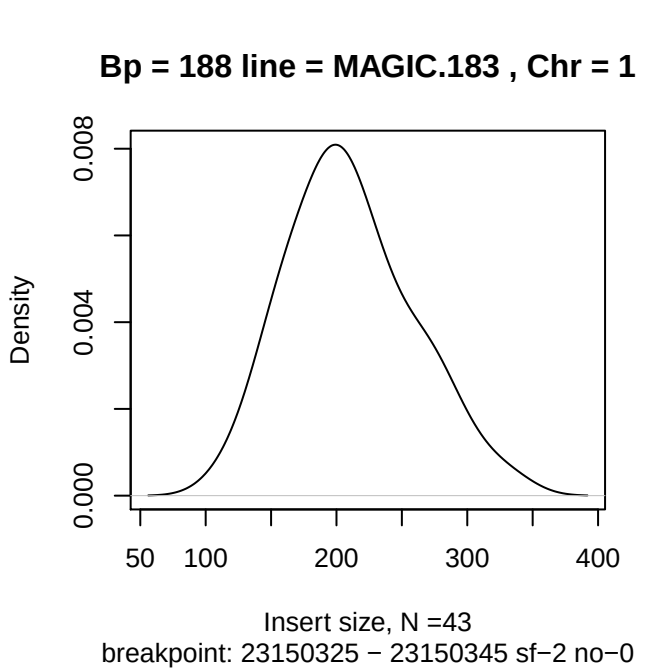

Bp = 183 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =59
breakpoint: 22789229 − 22789233 ler−0 po−0

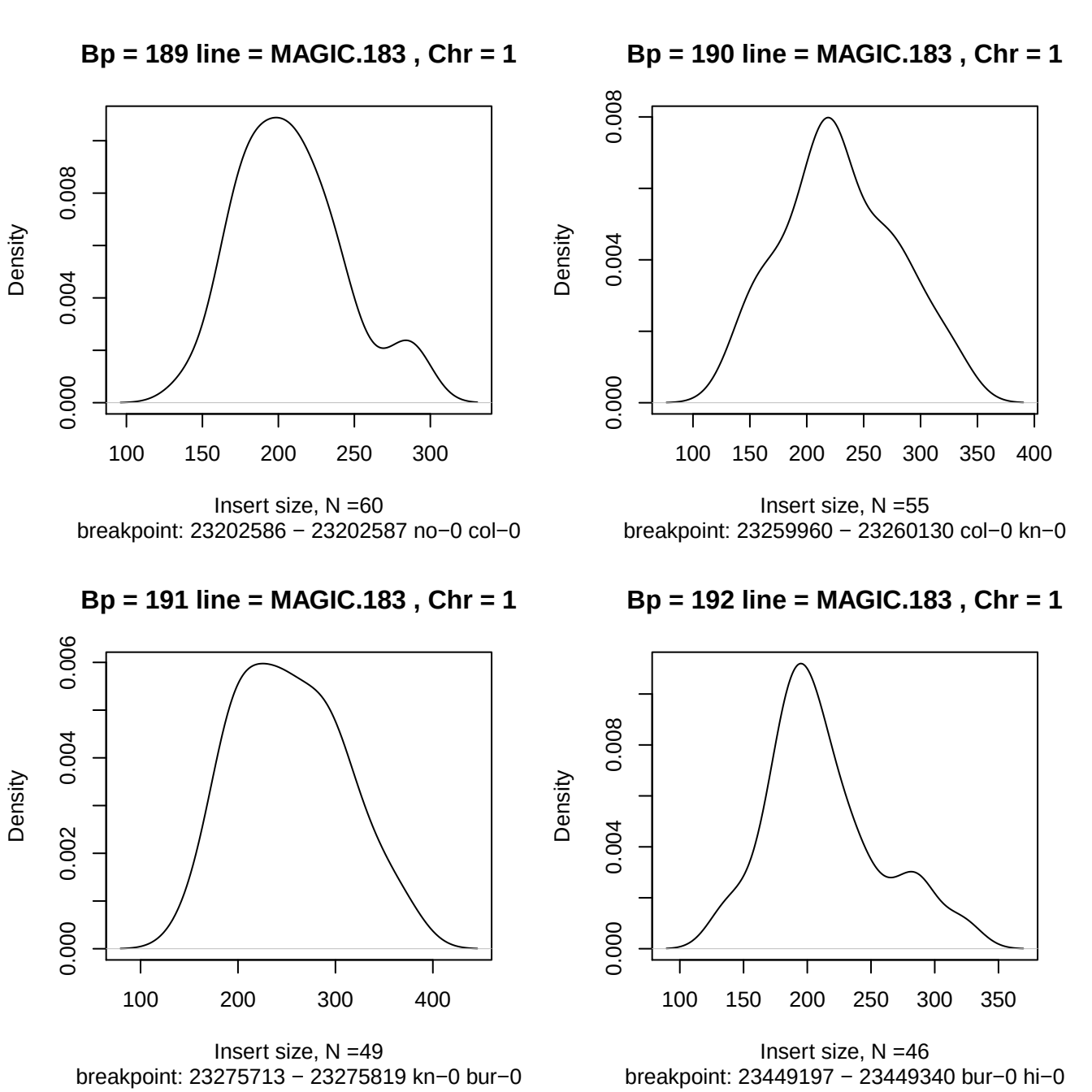

Bp = 184 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =49
breakpoint: 22892091 − 22892119 po−0 ct−1

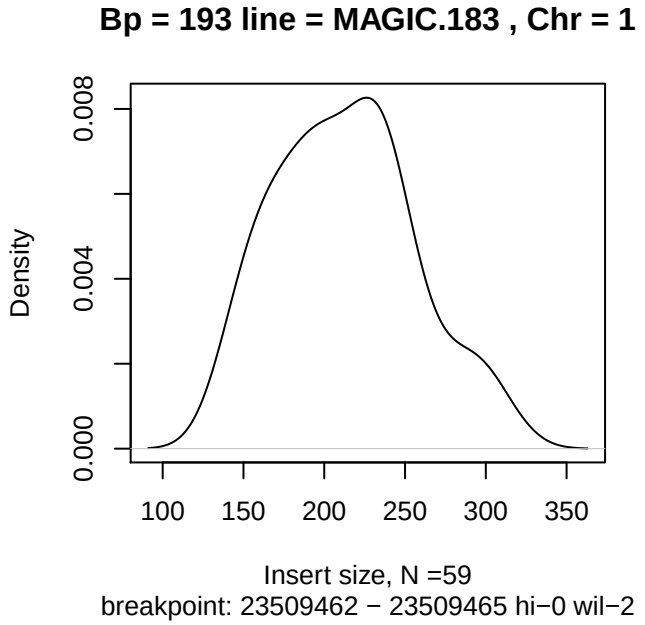

Bp = 185 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =59
breakpoint: 22977843 − 22977861 ct−1 hi−0

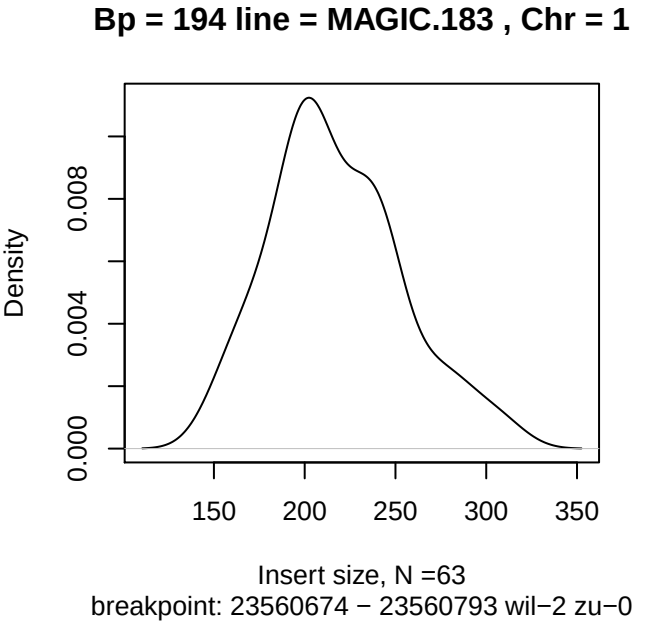

Bp = 186 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =23
breakpoint: 23102079 − 23102138 hi−0 kn−0

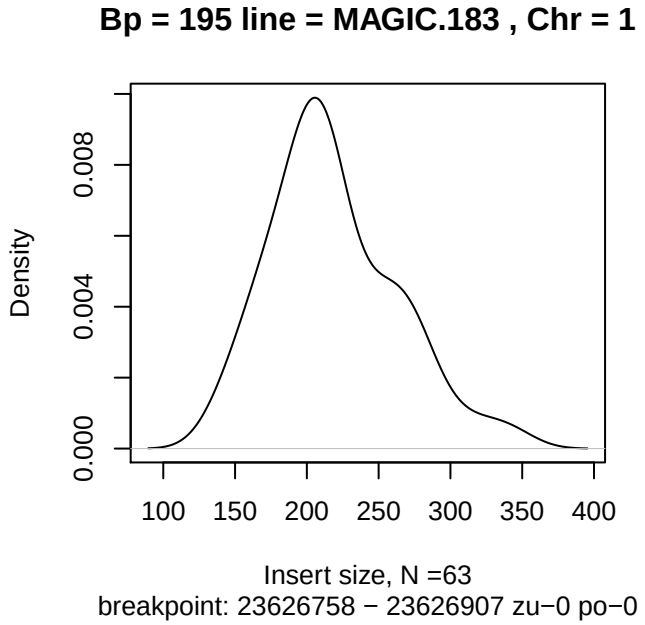

Bp = 187 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =50
breakpoint: 23109119 − 23109131 kn−0 sf−2

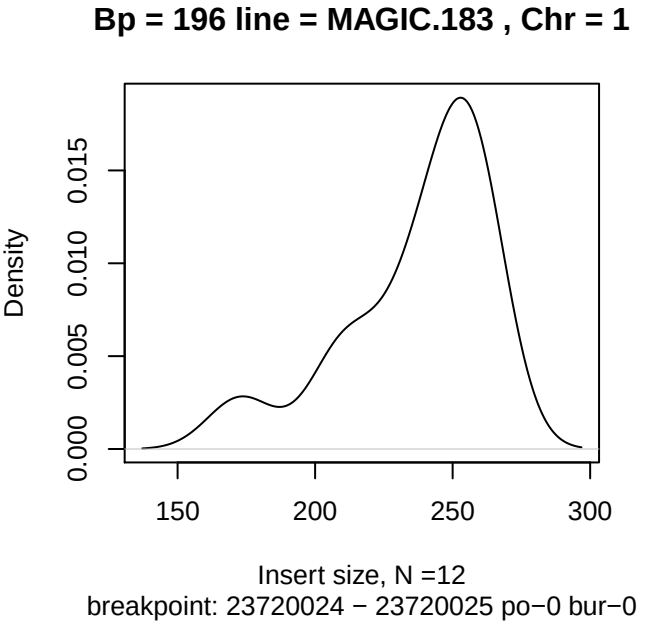

Bp = 188 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =43
breakpoint: 23150325 − 23150345 sf−2 no−0

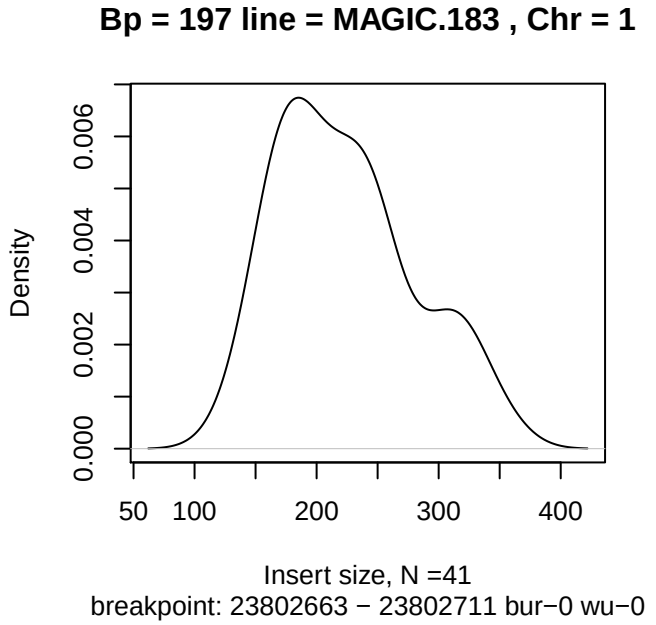

Bp = 189 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =60
breakpoint: 23202586 − 23202587 no−0 col−0
Bp = 190 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =55
breakpoint: 23259960 − 23260130 col−0 kn−0
Bp = 191 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =49
breakpoint: 23275713 − 23275819 kn−0 bur−0
Bp = 192 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =46
breakpoint: 23449197 − 23449340 bur−0 hi−0

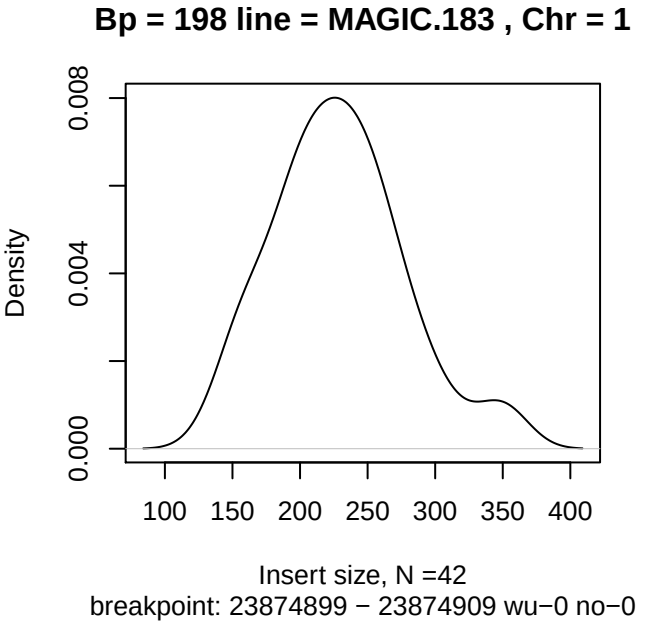

Bp = 193 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =59
breakpoint: 23509462 − 23509465 hi−0 wil−2

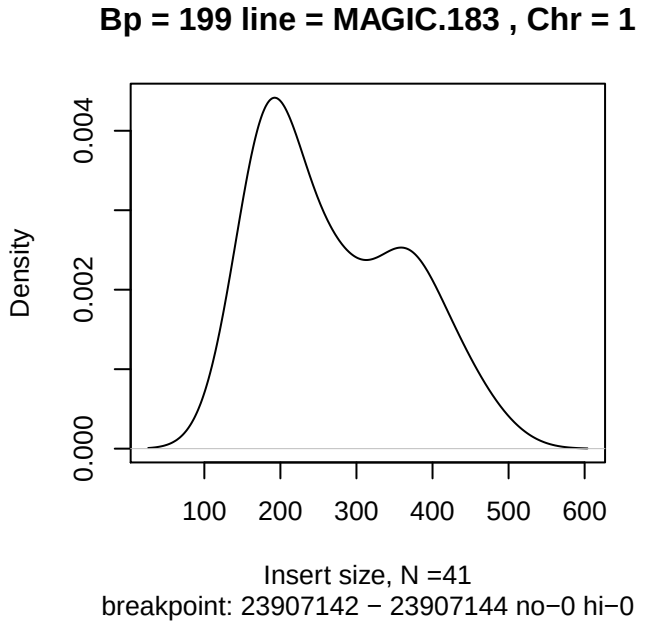

Bp = 194 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =63
breakpoint: 23560674 − 23560793 wil−2 zu−0

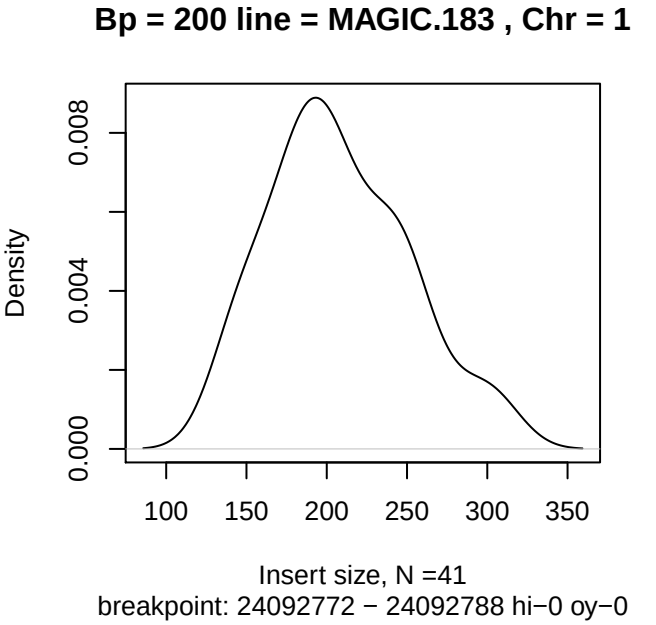

Bp = 195 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =63
breakpoint: 23626758 − 23626907 zu−0 po−0

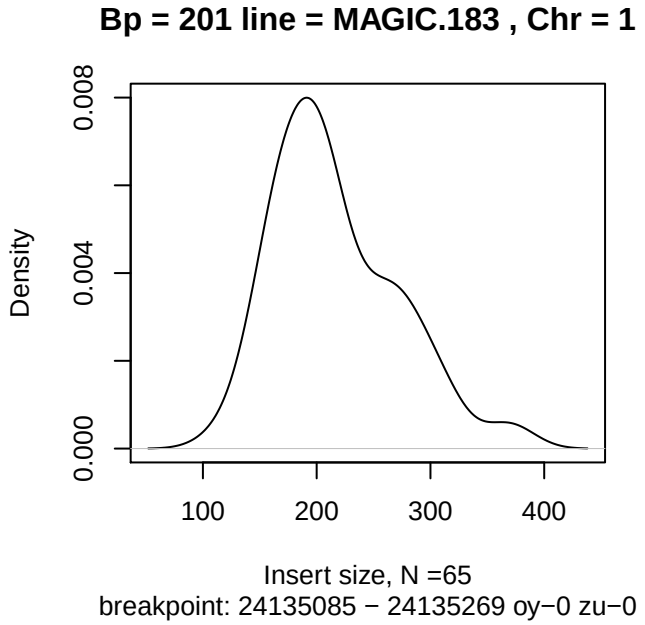

Bp = 196 line = MAGIC.183 , Chr = 1
Density
0.000
0.005
0.010
0.015
150
200
250
300
Insert size, N =12
breakpoint: 23720024 − 23720025 po−0 bur−0

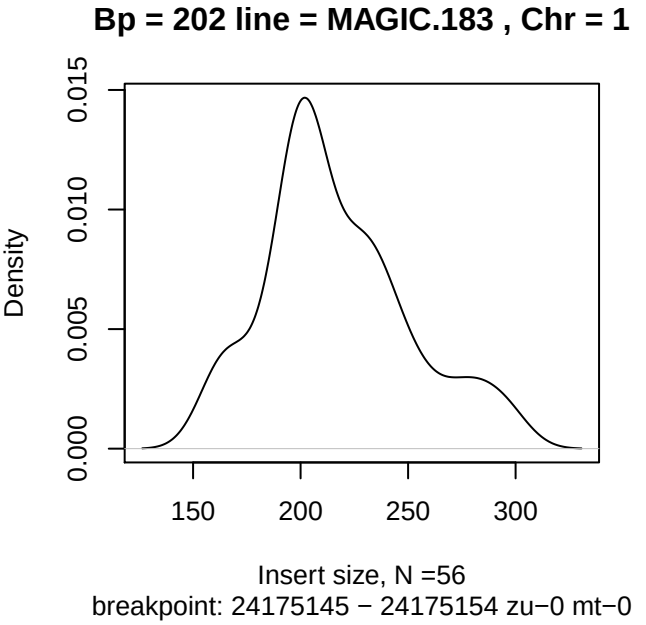

Bp = 197 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =41
breakpoint: 23802663 − 23802711 bur−0 wu−0

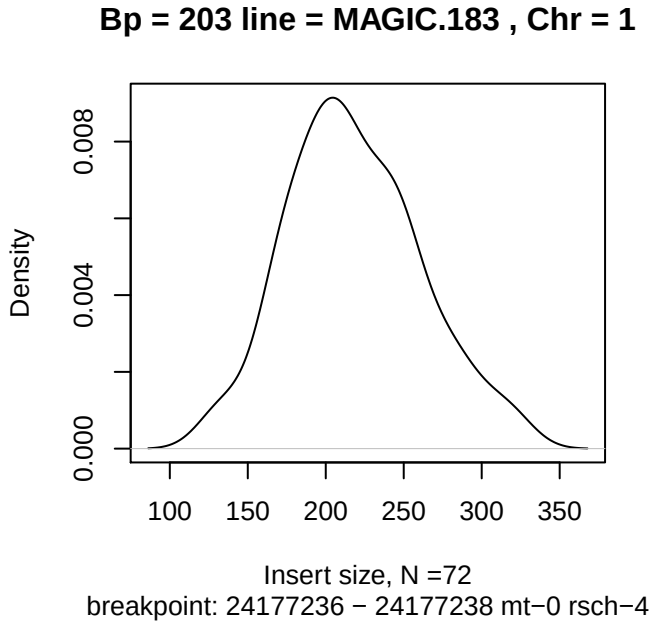

Bp = 198 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =42
breakpoint: 23874899 − 23874909 wu−0 no−0

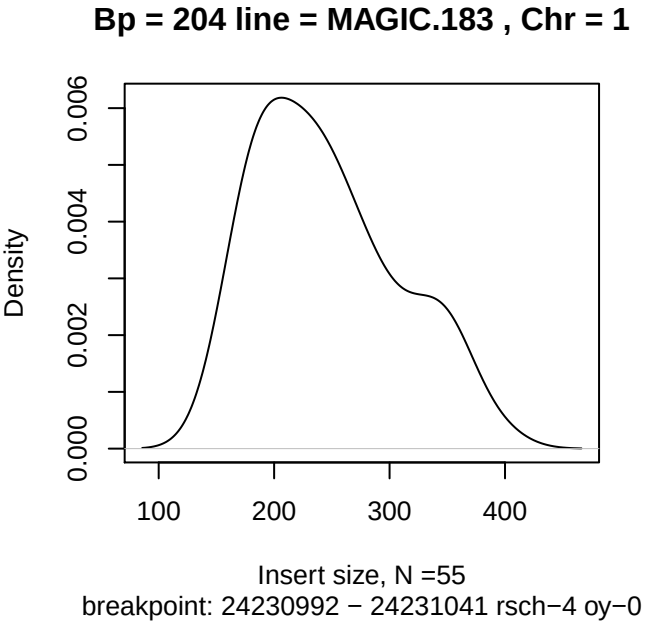

Bp = 199 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
100
200
300
400
500
600
Insert size, N =41
breakpoint: 23907142 − 23907144 no−0 hi−0

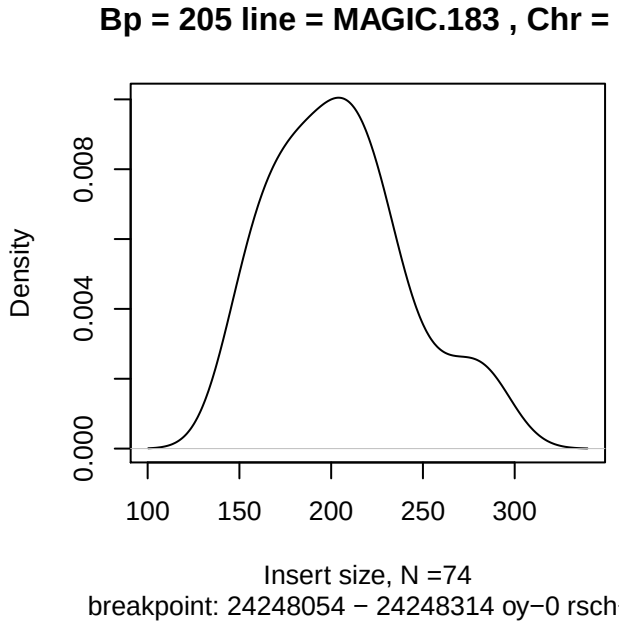

Bp = 200 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =41
breakpoint: 24092772 − 24092788 hi−0 oy−0

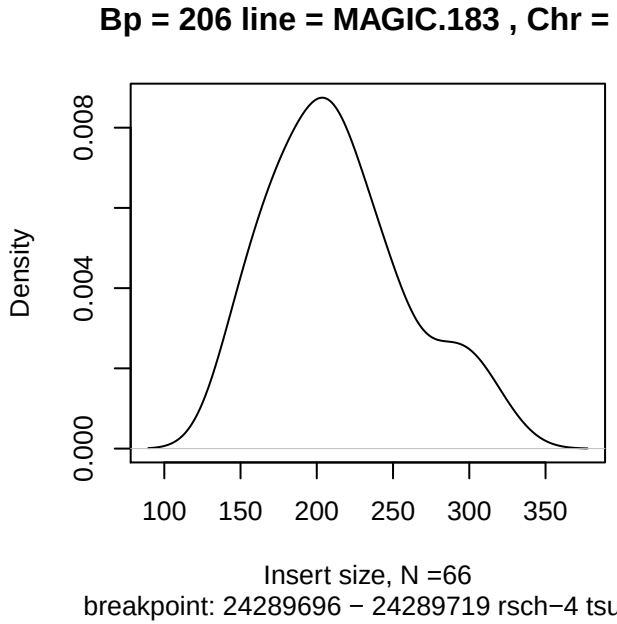

Bp = 201 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =65
breakpoint: 24135085 − 24135269 oy−0 zu−0

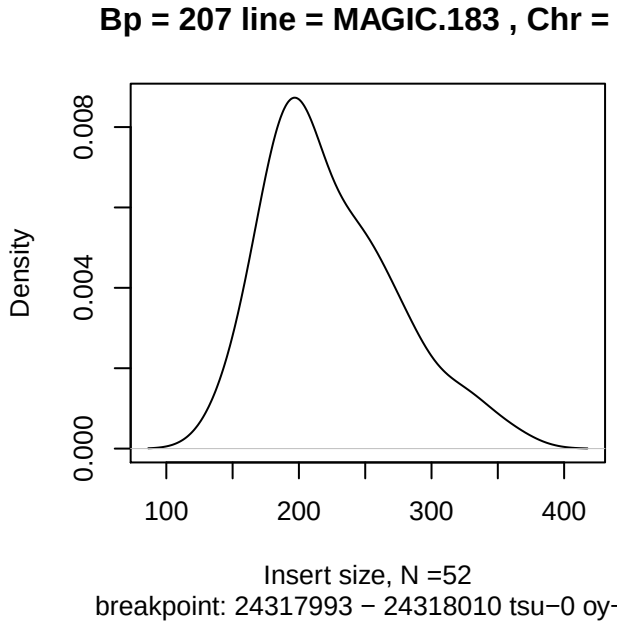

Bp = 202 line = MAGIC.183 , Chr = 1
Density
0.000
0.005
0.010
0.015
150
200
250
300
Insert size, N =56
breakpoint: 24175145 − 24175154 zu−0 mt−0

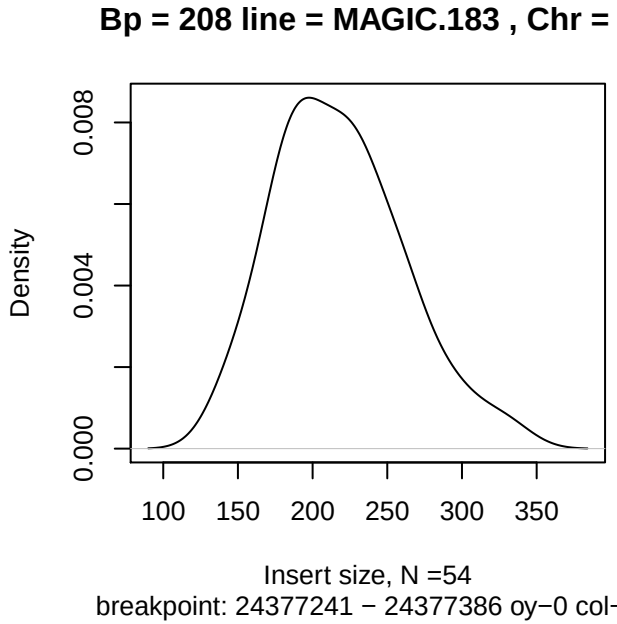

Bp = 203 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =72
breakpoint: 24177236 − 24177238 mt−0 rsch−4

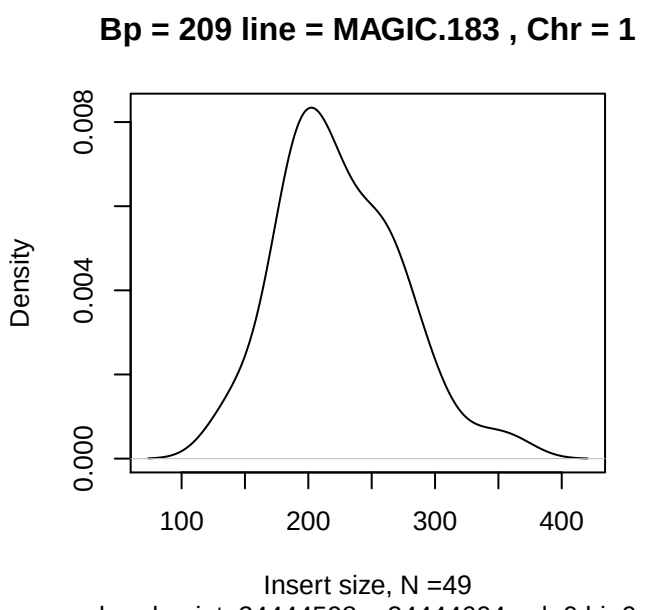

Bp = 204 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =55
breakpoint: 24230992 − 24231041 rsch−4 oy−0

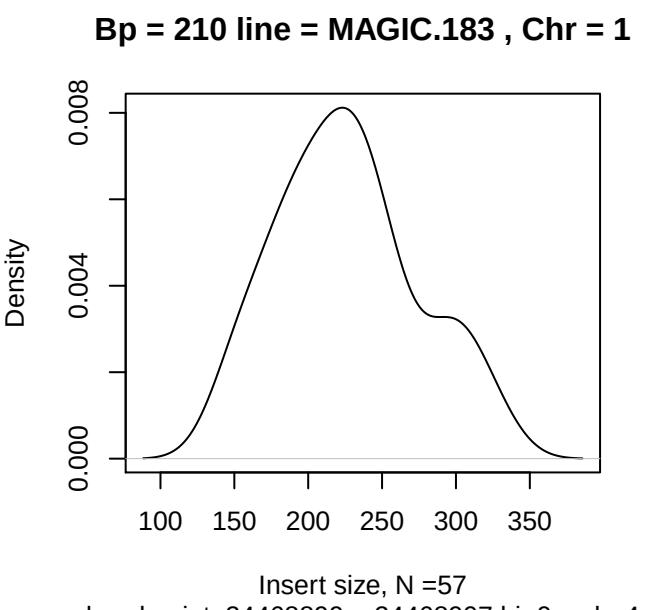

Bp = 205 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =74
breakpoint: 24248054 − 24248314 oy−0 rsch−4

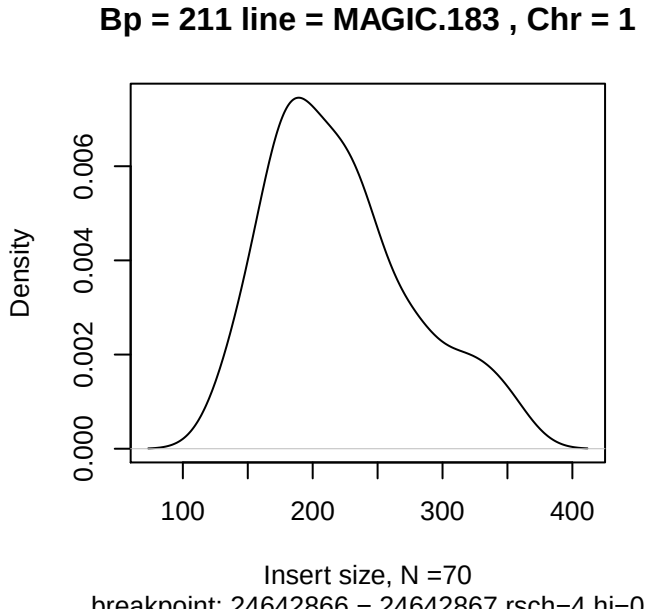

Bp = 206 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =66
breakpoint: 24289696 − 24289719 rsch−4 tsu−0

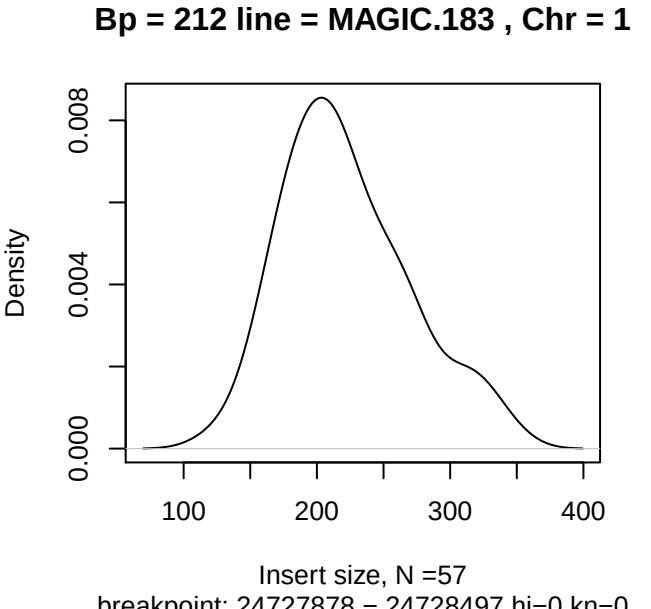

Bp = 207 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =52
breakpoint: 24317993 − 24318010 tsu−0 oy−0

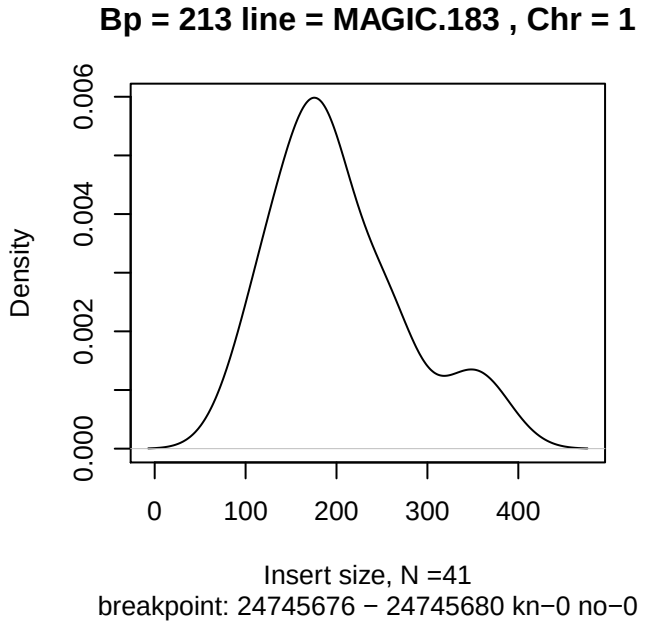

Bp = 208 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =54
breakpoint: 24377241 − 24377386 oy−0 col−0

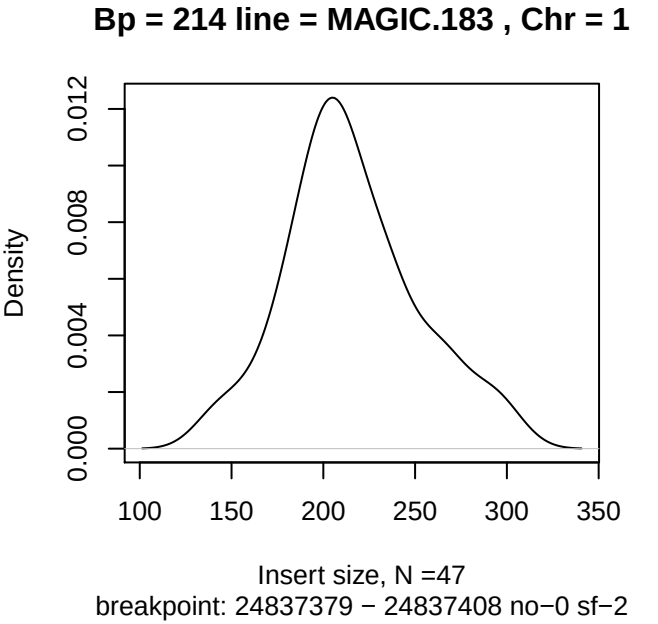

Bp = 209 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =49
breakpoint: 24444598 − 24444604 col−0 hi−0

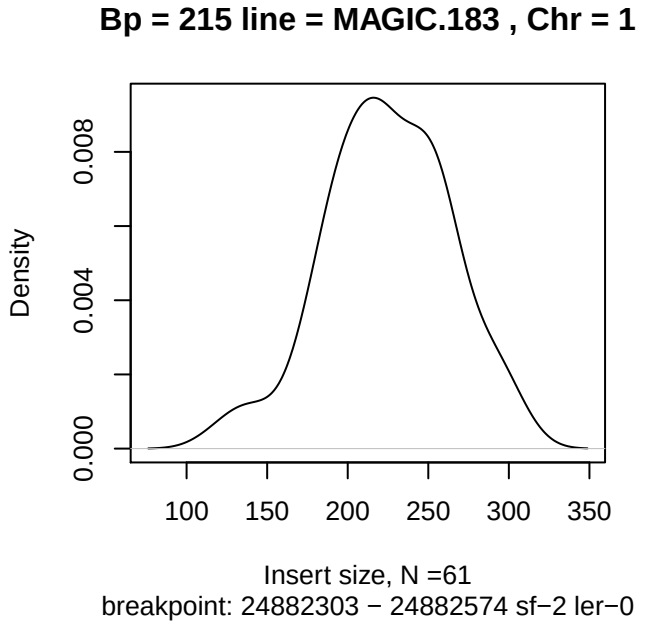

Bp = 210 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =57
breakpoint: 24468899 − 24468907 hi−0 rsch−4

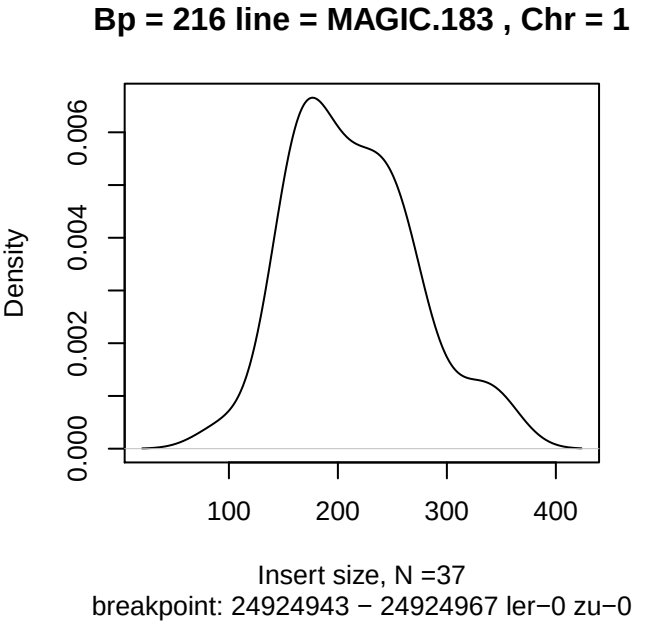

Bp = 211 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =70
breakpoint: 24642866 − 24642867 rsch−4 hi−0

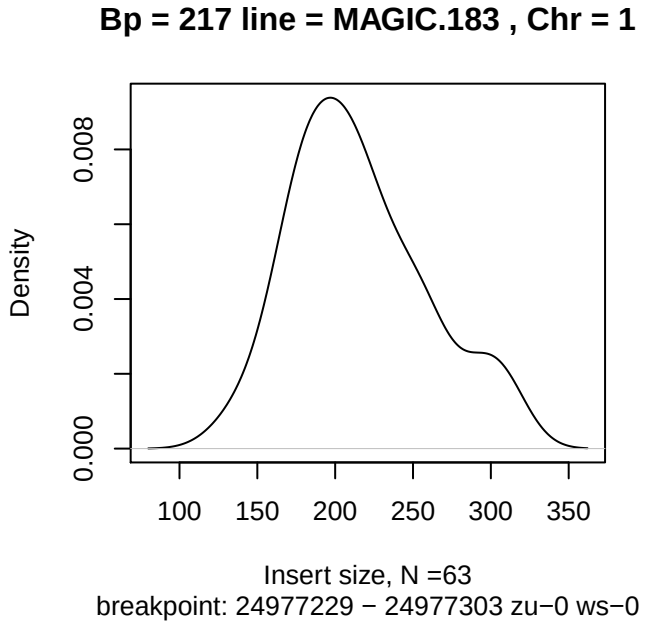

Bp = 212 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =57
breakpoint: 24727878 − 24728497 hi−0 kn−0

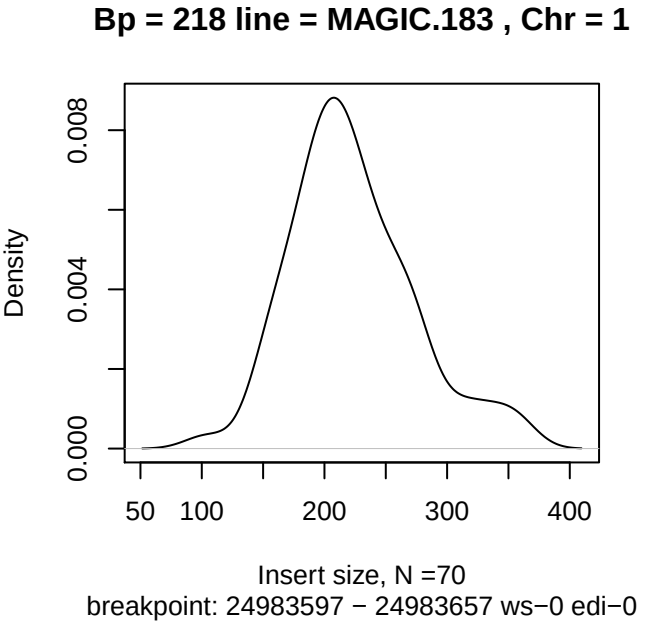

Bp = 213 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0
100
200
300
400
Insert size, N =41
breakpoint: 24745676 − 24745680 kn−0 no−0

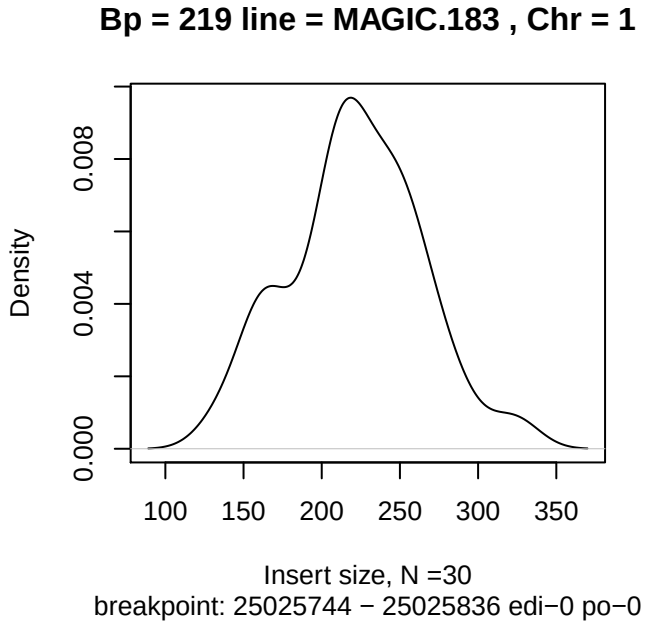

Bp = 214 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =47
breakpoint: 24837379 − 24837408 no−0 sf−2

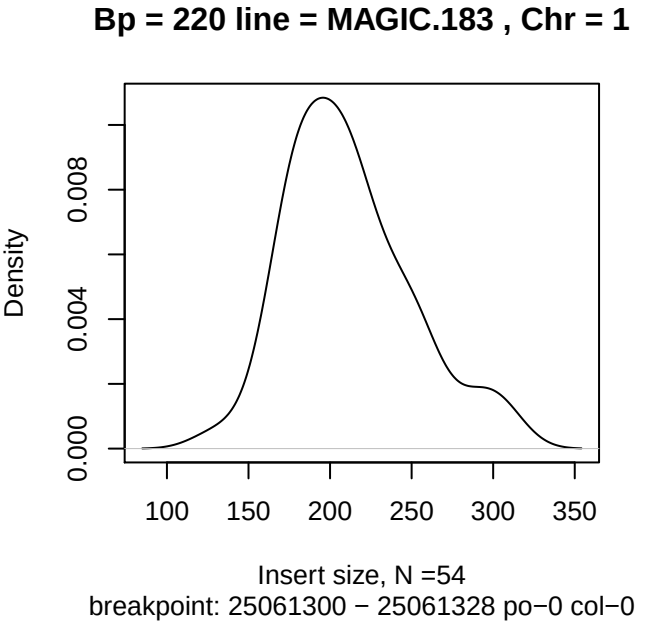

Bp = 215 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =61
breakpoint: 24882303 − 24882574 sf−2 ler−0

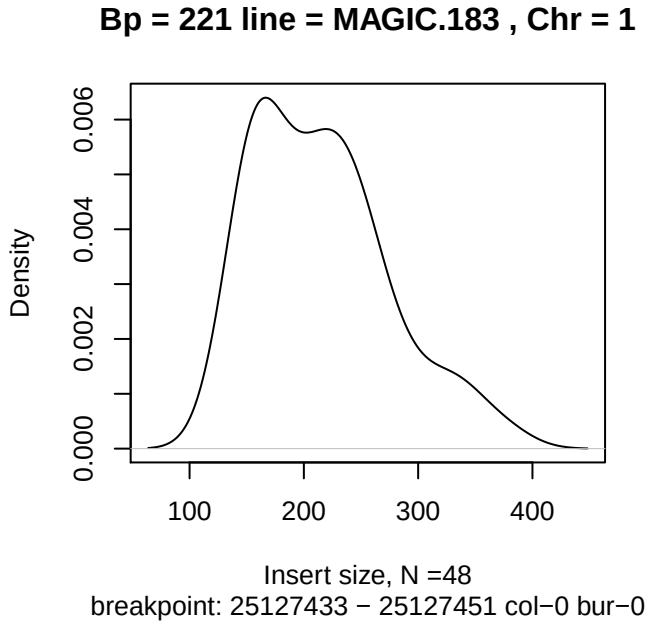

Bp = 216 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =37
breakpoint: 24924943 − 24924967 ler−0 zu−0

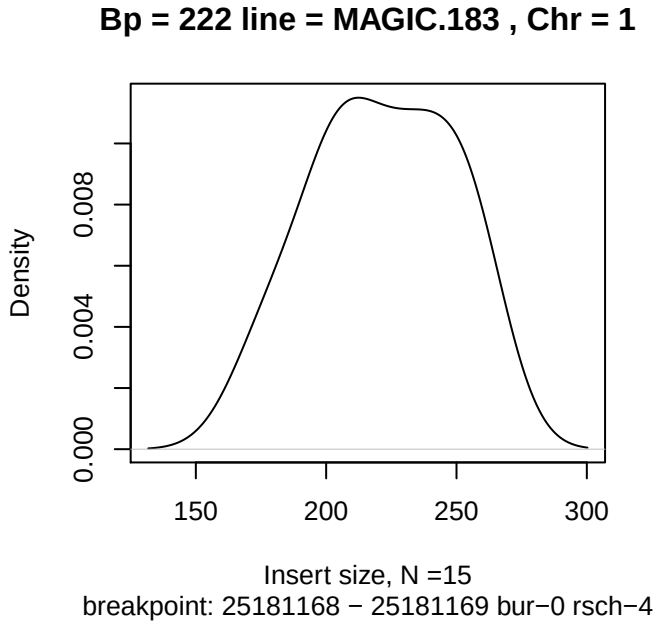

Bp = 217 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =63
breakpoint: 24977229 − 24977303 zu−0 ws−0

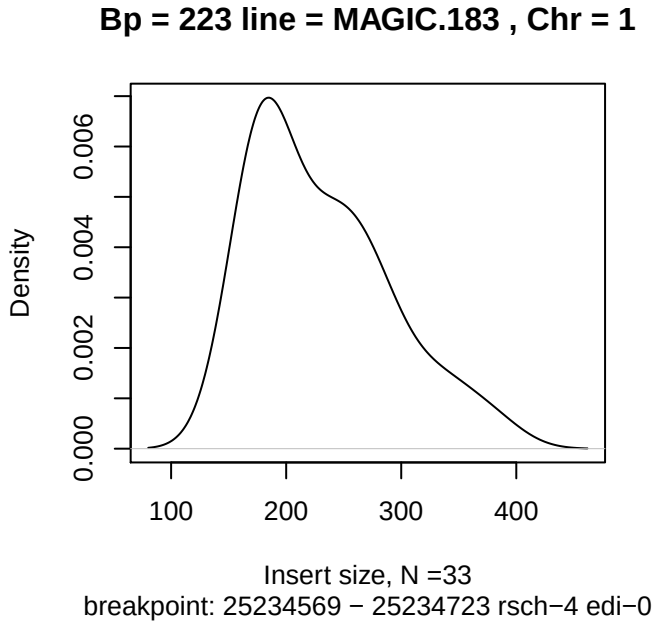

Bp = 218 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =70
breakpoint: 24983597 − 24983657 ws−0 edi−0

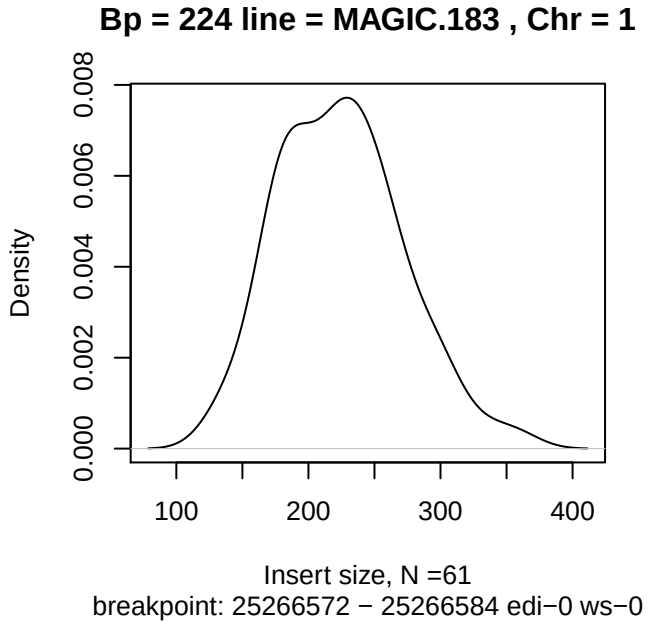

Bp = 219 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =30
breakpoint: 25025744 − 25025836 edi−0 po−0

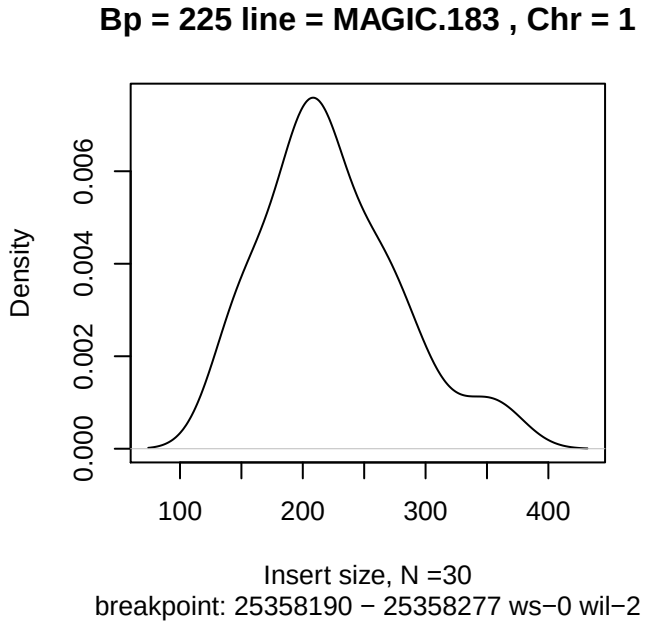

Bp = 220 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =54
breakpoint: 25061300 − 25061328 po−0 col−0

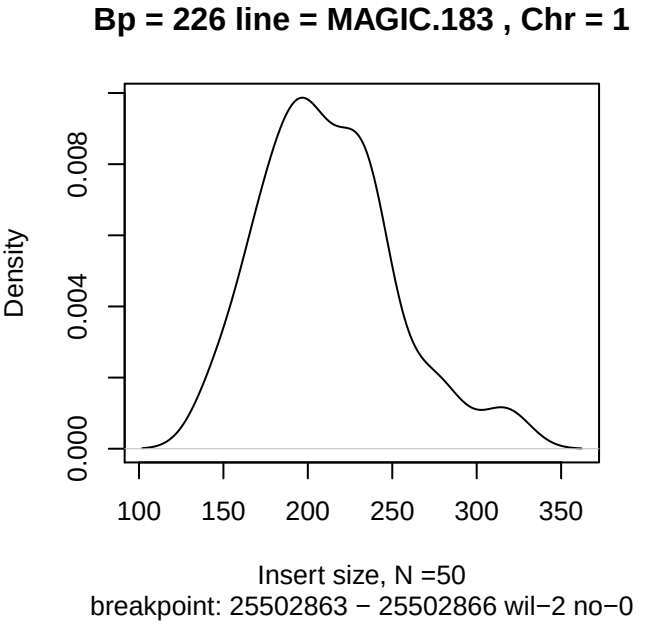

Bp = 221 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =48
breakpoint: 25127433 − 25127451 col−0 bur−0

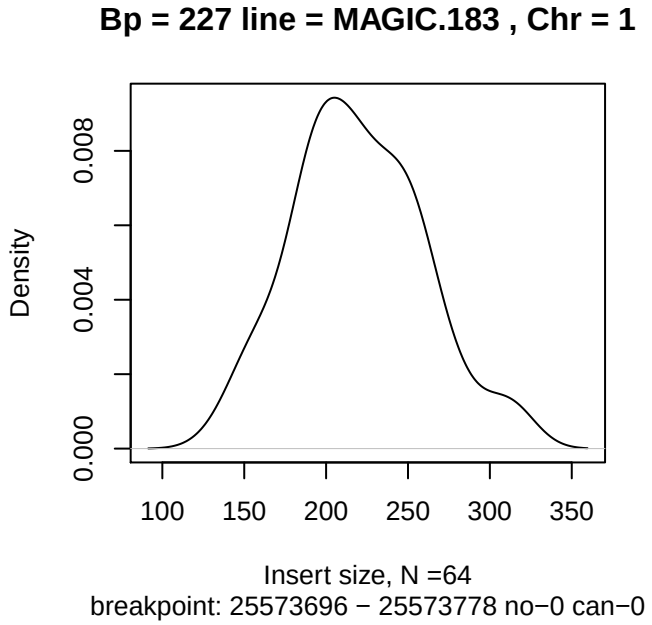

Bp = 222 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
150
200
250
300
Insert size, N =15
breakpoint: 25181168 − 25181169 bur−0 rsch−4

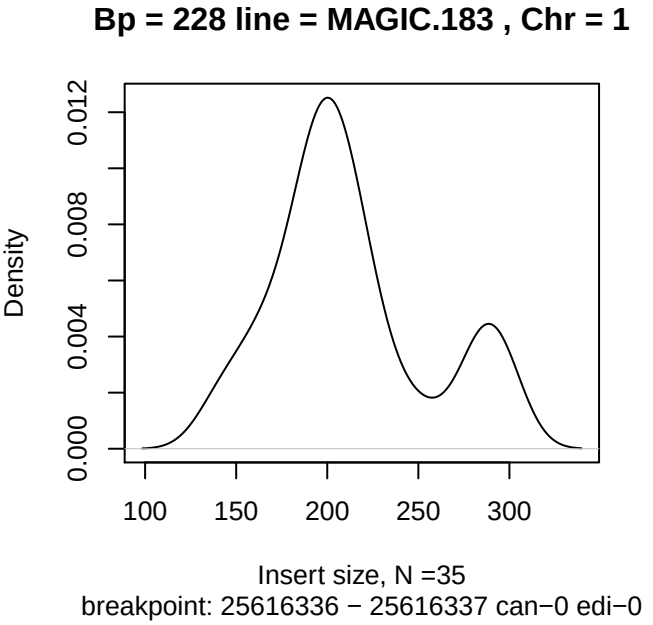

Bp = 223 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =33
breakpoint: 25234569 − 25234723 rsch−4 edi−0

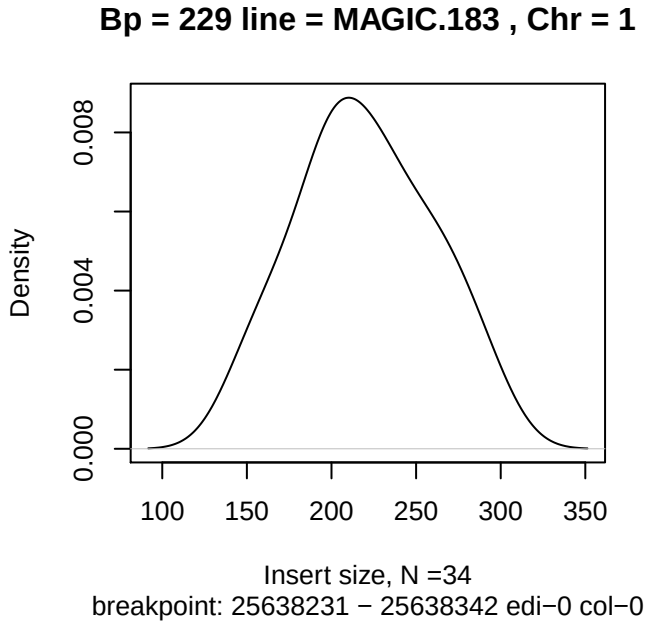

Bp = 224 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =61
breakpoint: 25266572 − 25266584 edi−0 ws−0

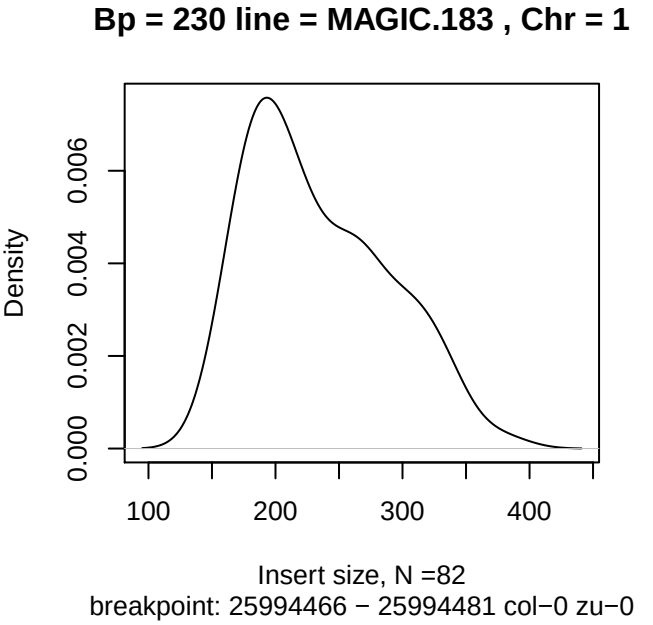

Bp = 225 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =30
breakpoint: 25358190 − 25358277 ws−0 wil−2

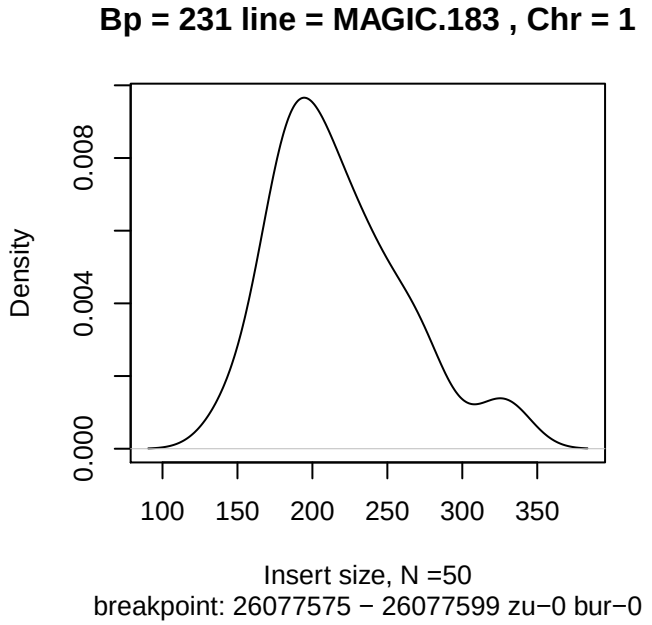

Bp = 226 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =50
breakpoint: 25502863 − 25502866 wil−2 no−0

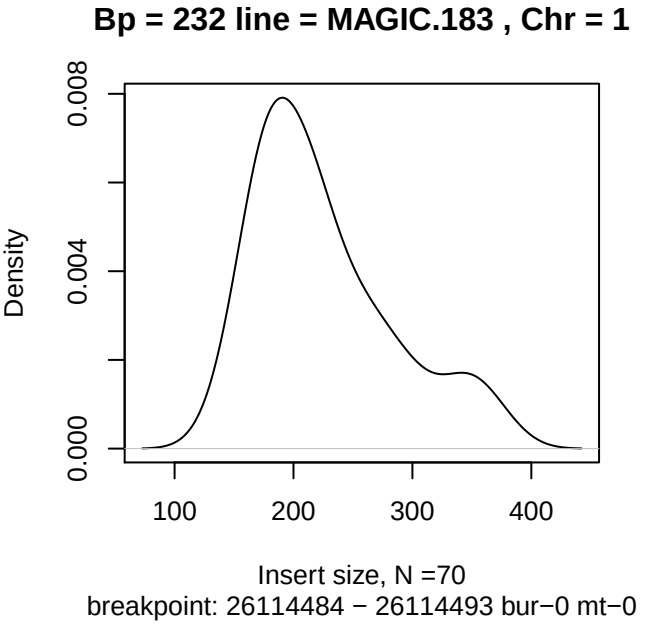

Bp = 227 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =64
breakpoint: 25573696 − 25573778 no−0 can−0

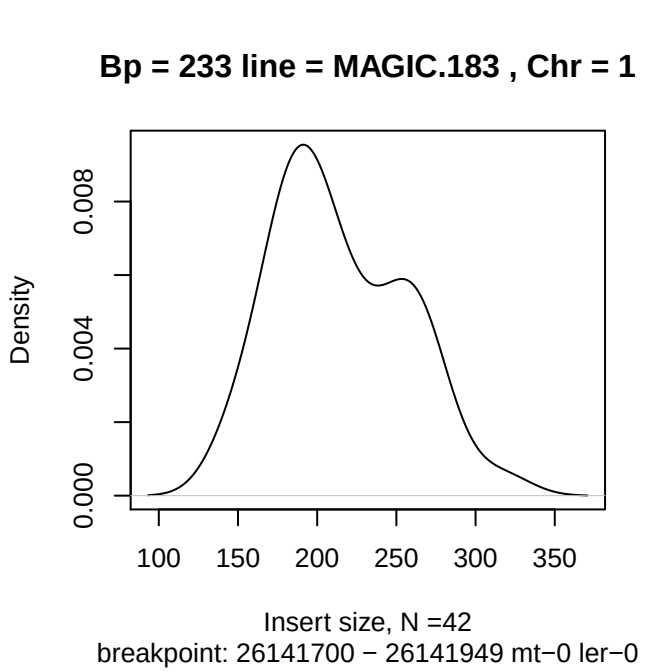

Bp = 228 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =35
breakpoint: 25616336 − 25616337 can−0 edi−0

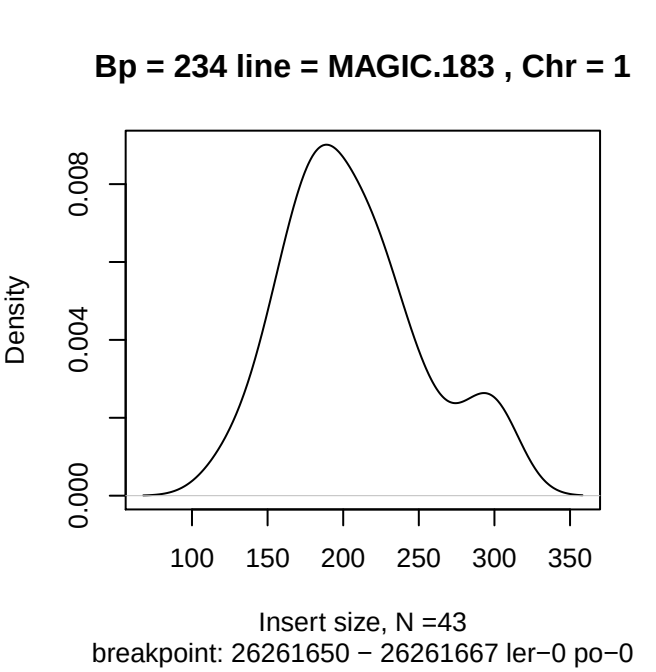

Bp = 229 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =34
breakpoint: 25638231 − 25638342 edi−0 col−0

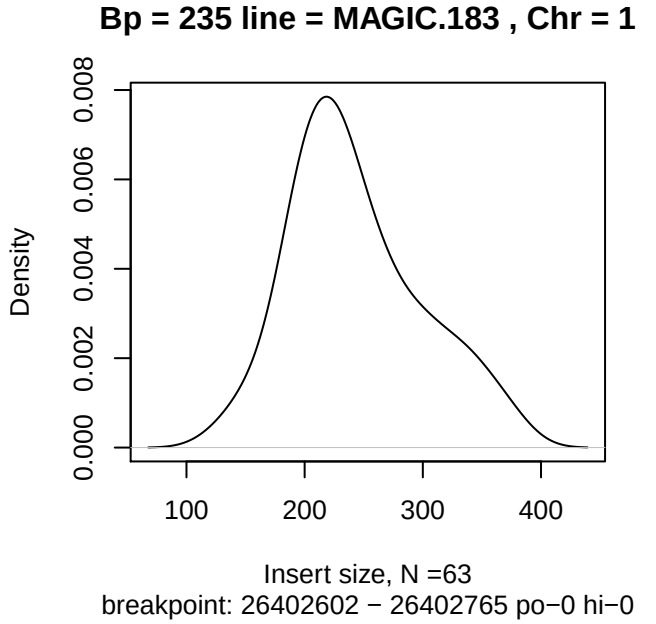

Bp = 230 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =82
breakpoint: 25994466 − 25994481 col−0 zu−0

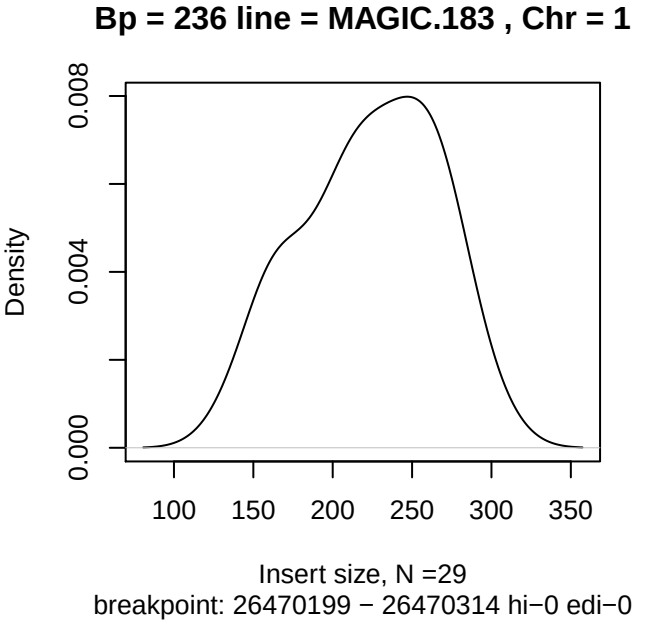

Bp = 231 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =50
breakpoint: 26077575 − 26077599 zu−0 bur−0

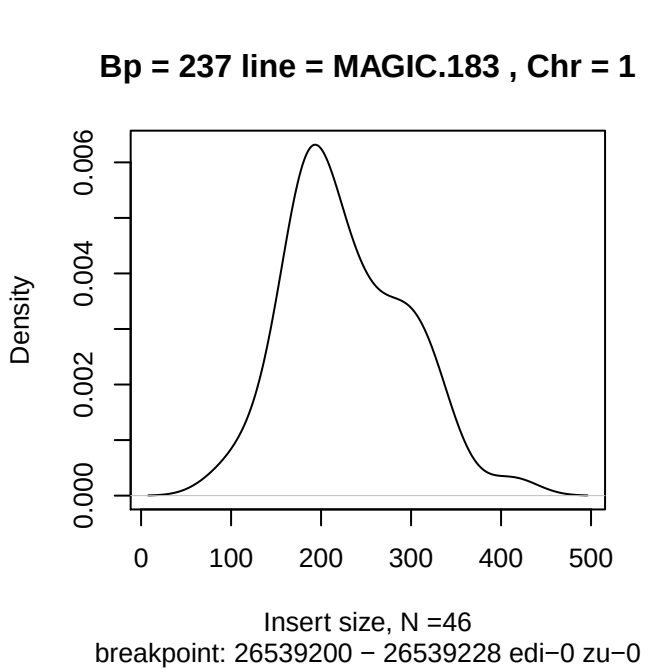

Bp = 232 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =70
breakpoint: 26114484 − 26114493 bur−0 mt−0

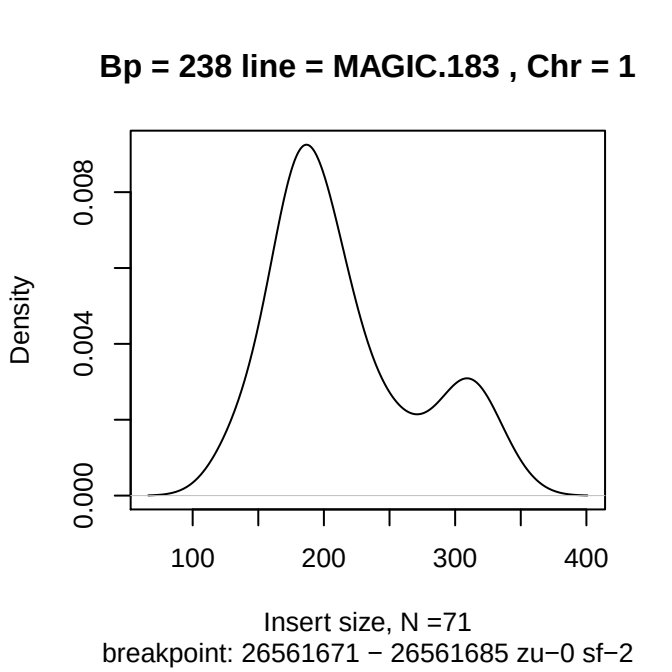

Bp = 233 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =42
breakpoint: 26141700 − 26141949 mt−0 ler−0

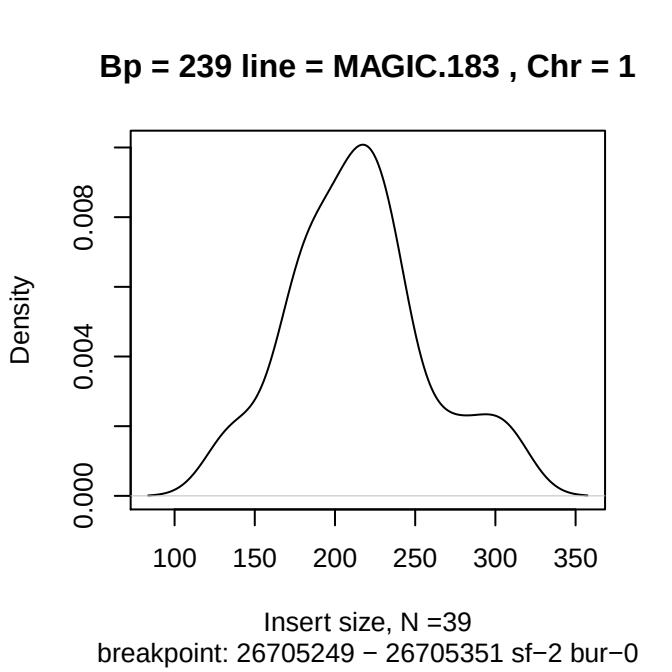

Bp = 234 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =43
breakpoint: 26261650 − 26261667 ler−0 po−0

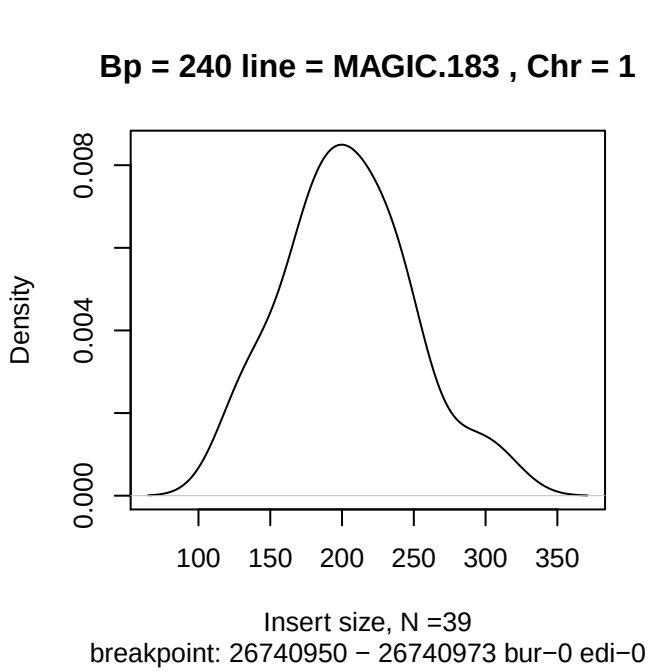

Bp = 235 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =63
breakpoint: 26402602 − 26402765 po−0 hi−0

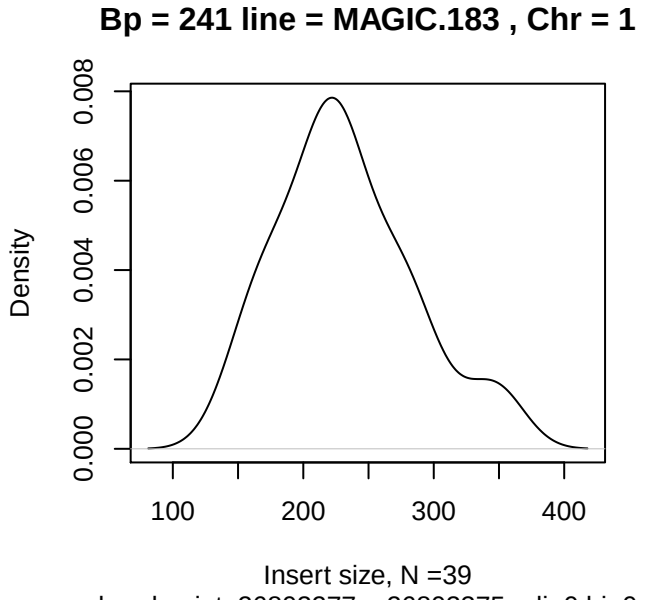

Bp = 236 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =29
breakpoint: 26470199 − 26470314 hi−0 edi−0

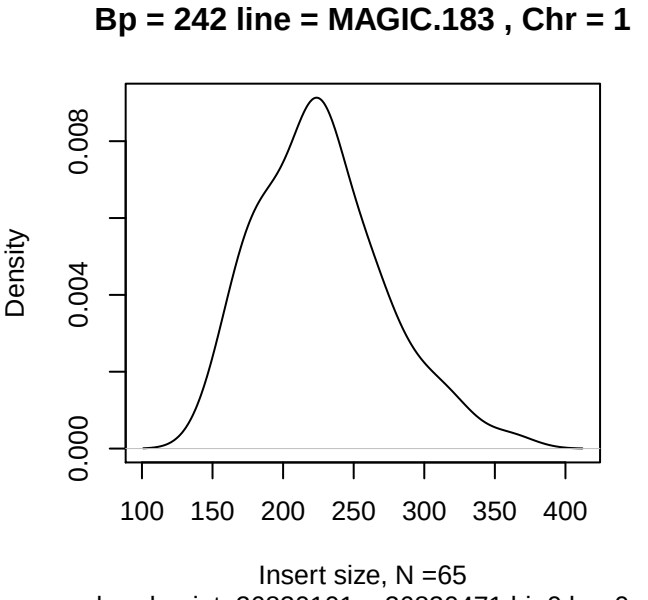

Bp = 237 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0
100
200
300
400
500
Insert size, N =46
breakpoint: 26539200 − 26539228 edi−0 zu−0

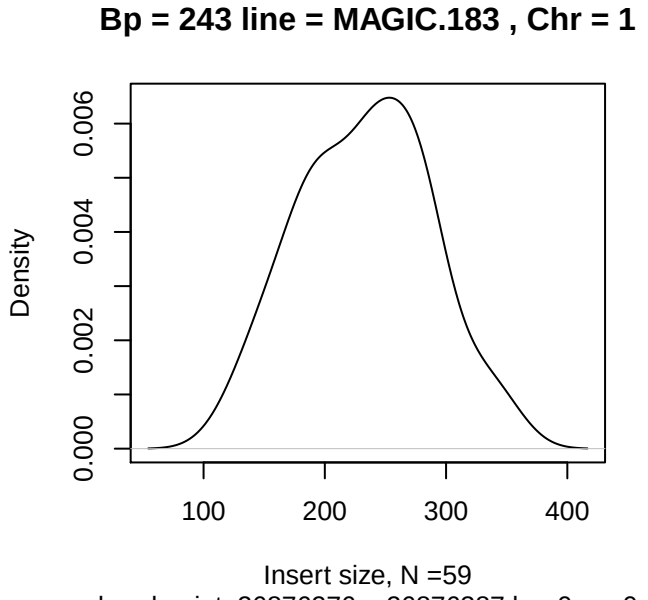

Bp = 238 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =71
breakpoint: 26561671 − 26561685 zu−0 sf−2

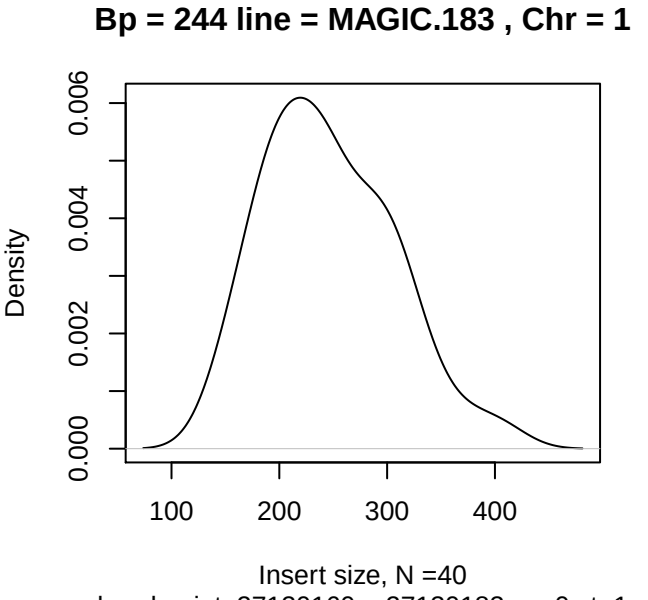

Bp = 239 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 26705249 − 26705351 sf−2 bur−0

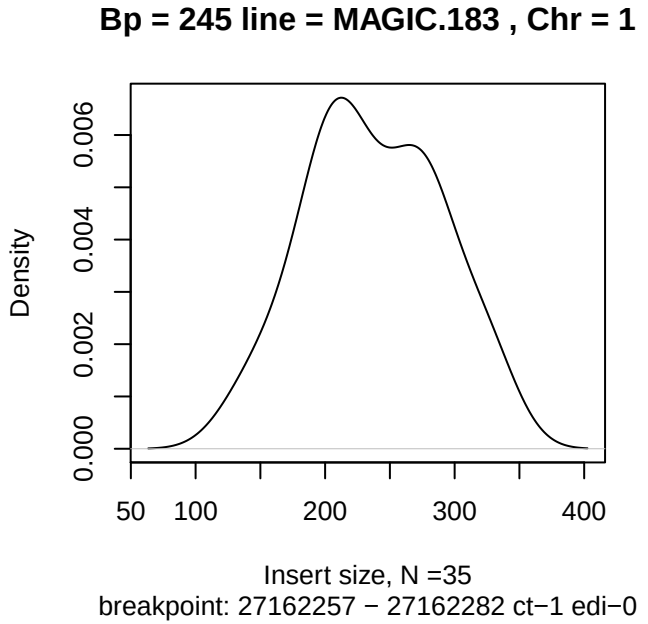

Bp = 240 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 26740950 − 26740973 bur−0 edi−0

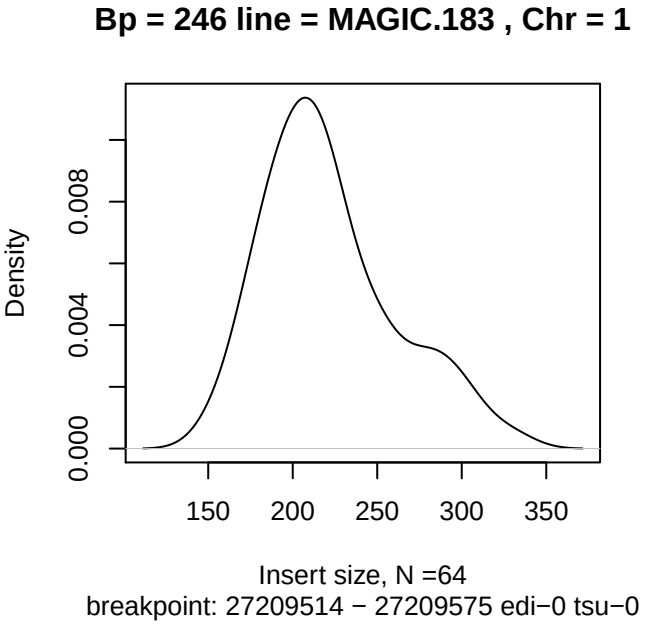

Bp = 241 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =39
breakpoint: 26803277 − 26803375 edi−0 hi−0

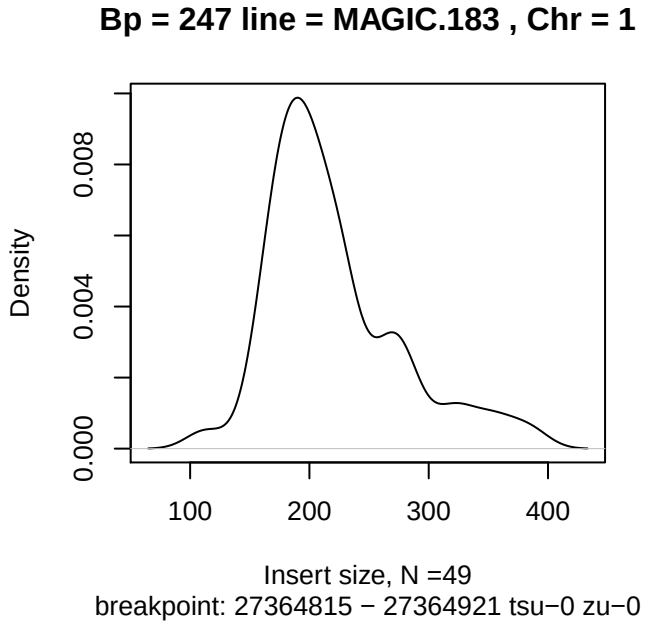

Bp = 242 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =65
breakpoint: 26830101 − 26830471 hi−0 ler−0

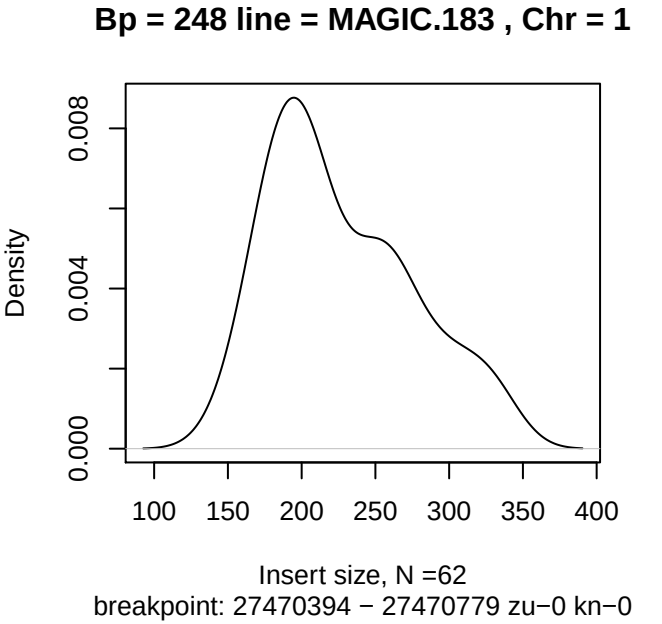

Bp = 243 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =59
breakpoint: 26876276 − 26876387 ler−0 oy−0

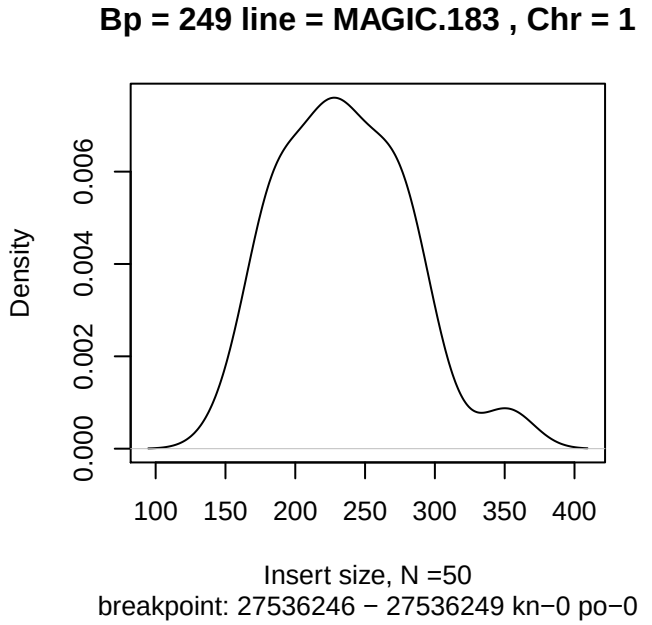

Bp = 244 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =40
breakpoint: 27130160 − 27130183 oy−0 ct−1

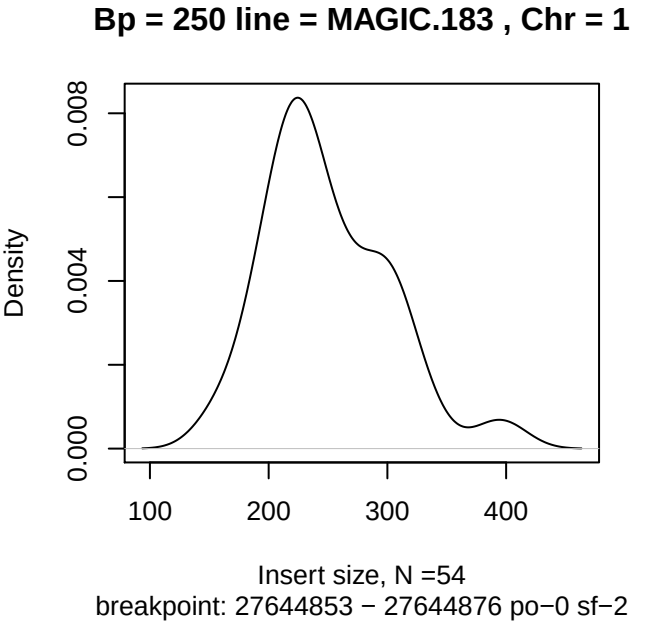

Bp = 245 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =35
breakpoint: 27162257 − 27162282 ct−1 edi−0

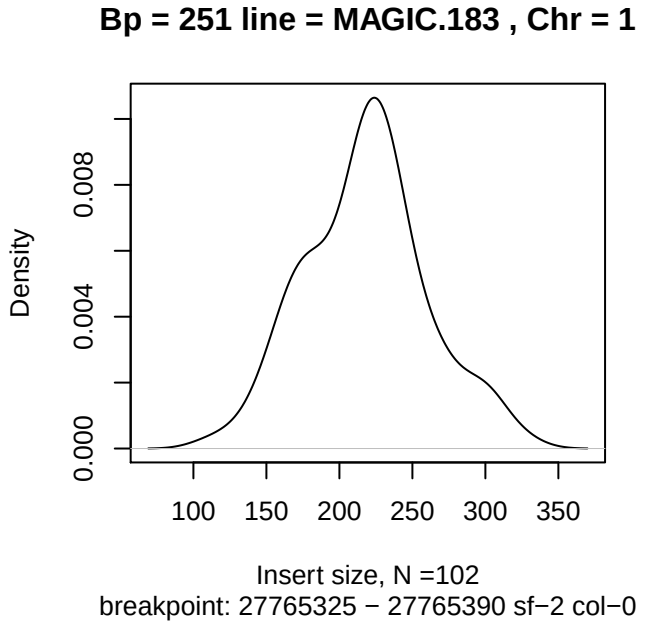

Bp = 246 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =64
breakpoint: 27209514 − 27209575 edi−0 tsu−0

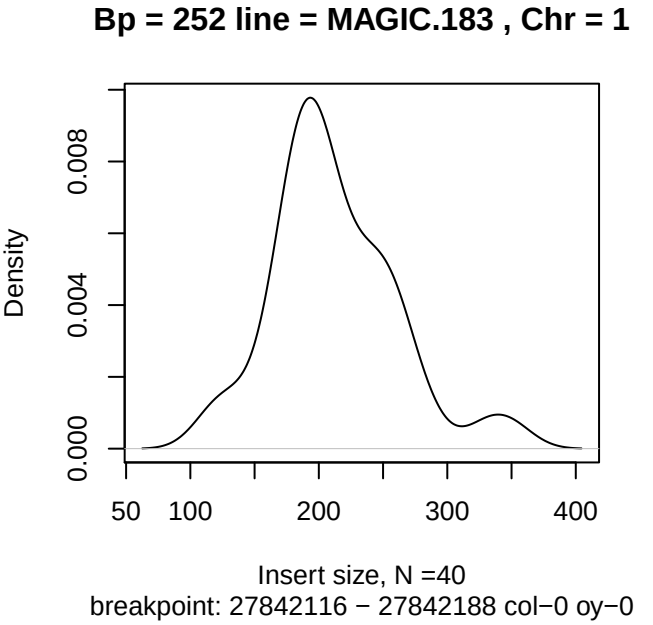

Bp = 247 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =49
breakpoint: 27364815 − 27364921 tsu−0 zu−0

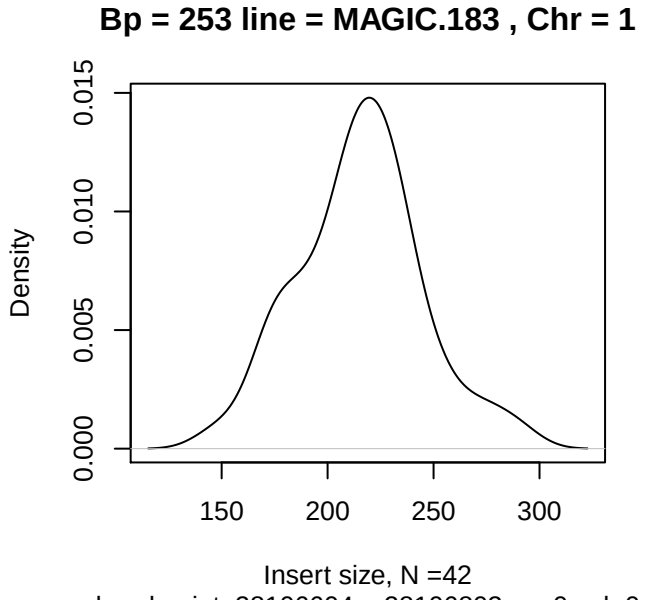

Bp = 248 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =62
breakpoint: 27470394 − 27470779 zu−0 kn−0

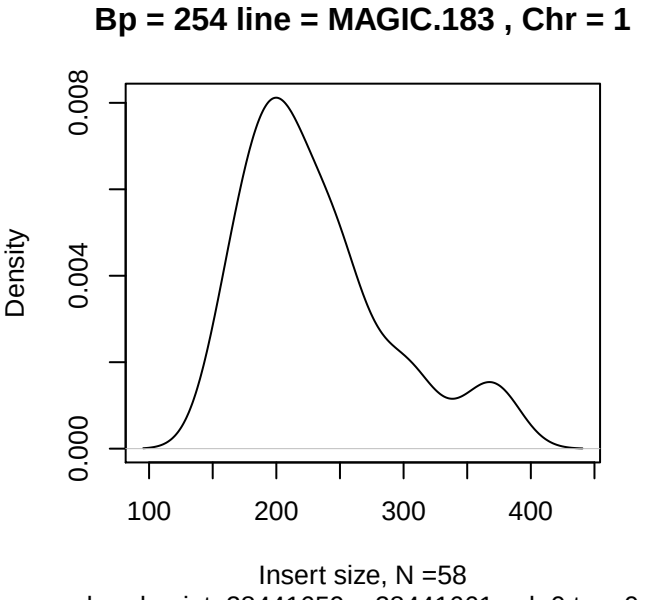

Bp = 249 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =50
breakpoint: 27536246 − 27536249 kn−0 po−0

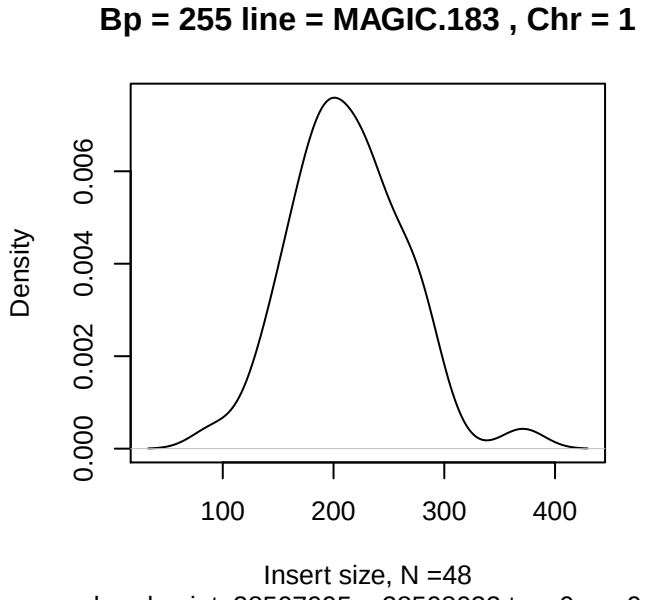

Bp = 250 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =54
breakpoint: 27644853 − 27644876 po−0 sf−2

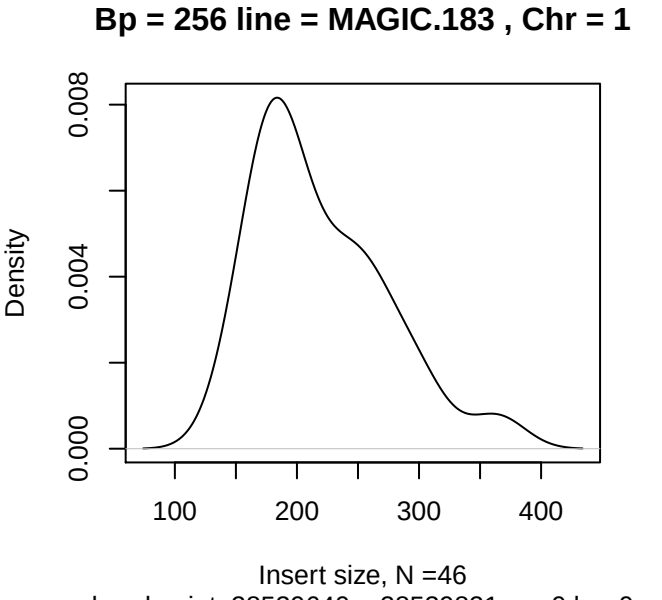

Bp = 251 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =102
breakpoint: 27765325 − 27765390 sf−2 col−0

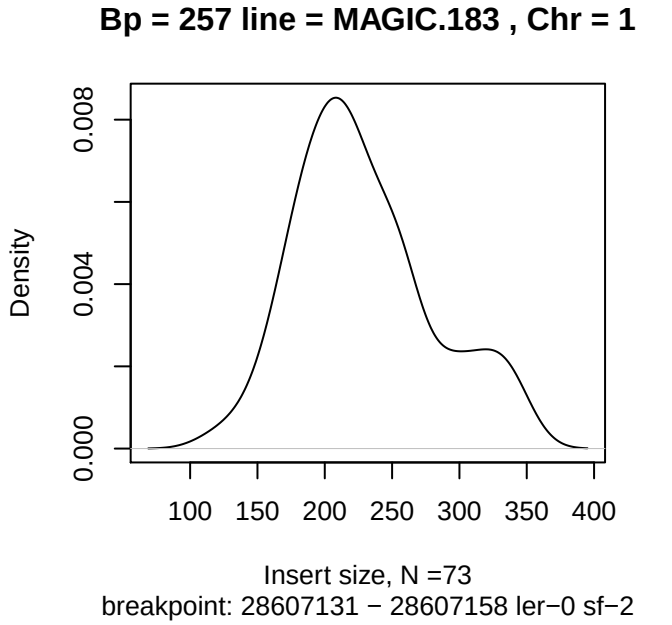

Bp = 252 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =40
breakpoint: 27842116 − 27842188 col−0 oy−0

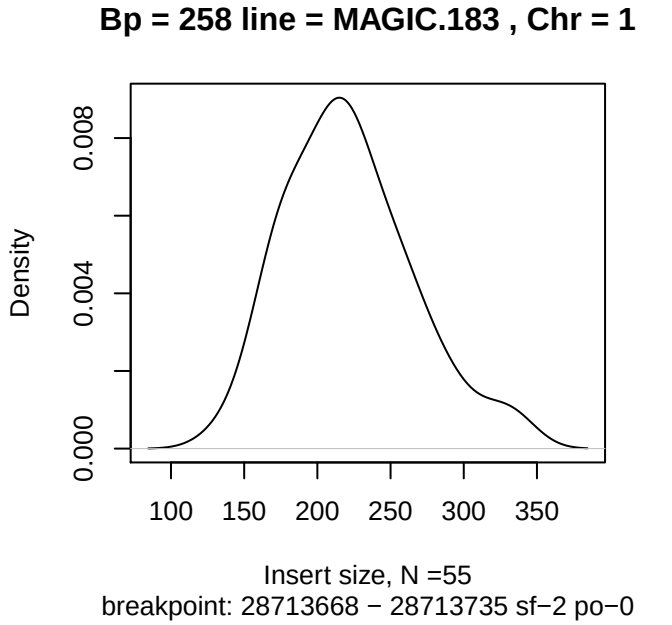

Bp = 253 line = MAGIC.183 , Chr = 1
Density
0.000
0.005
0.010
0.015
150
200
250
300
Insert size, N =42
breakpoint: 28106604 − 28106803 oy−0 col−0

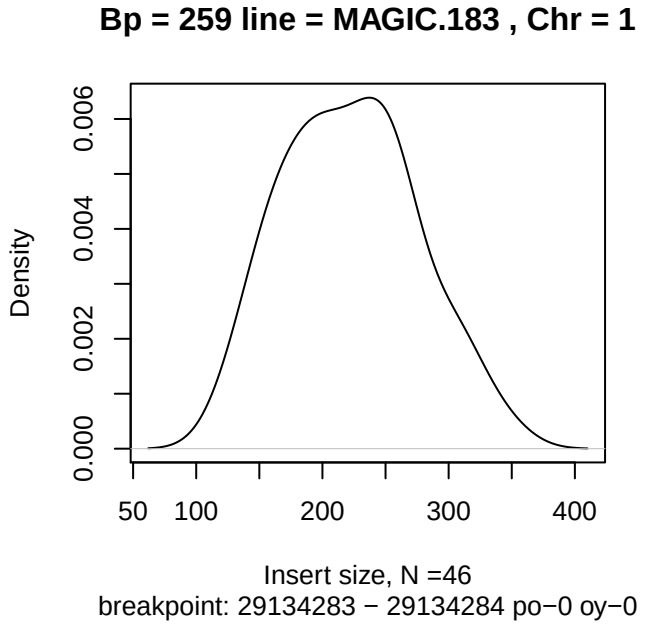

Bp = 254 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =58
breakpoint: 28441659 − 28441661 col−0 tsu−0

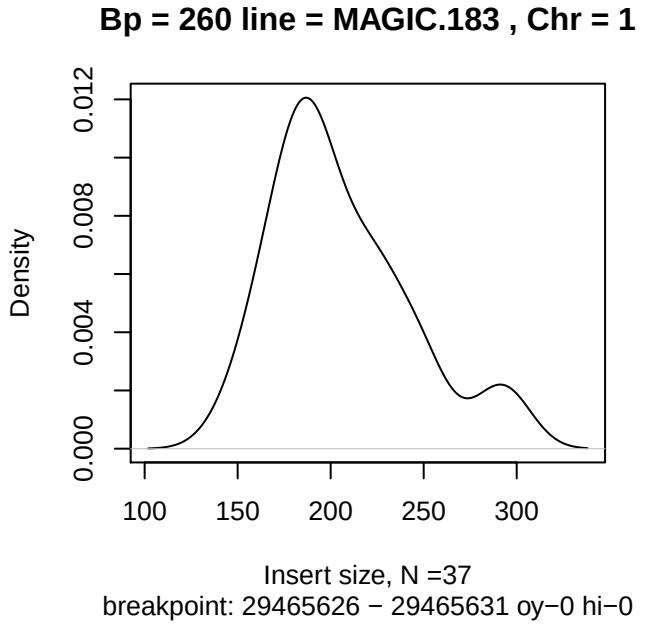

Bp = 255 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =48
breakpoint: 28507995 − 28508032 tsu−0 no−0

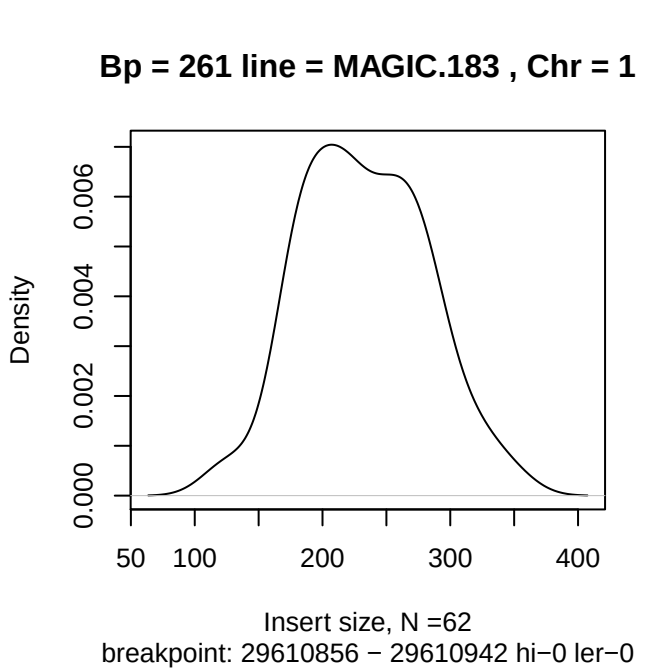

Bp = 256 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =46
breakpoint: 28539640 − 28539821 no−0 ler−0

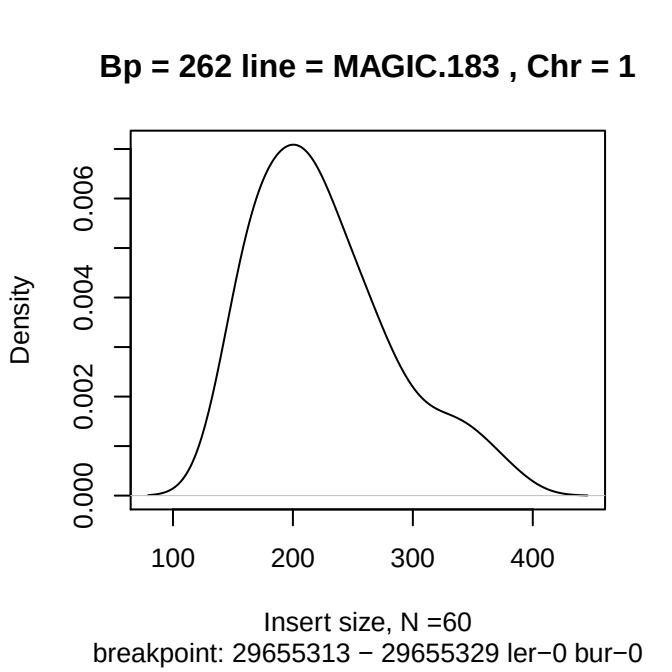

Bp = 257 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =73
breakpoint: 28607131 − 28607158 ler−0 sf−2

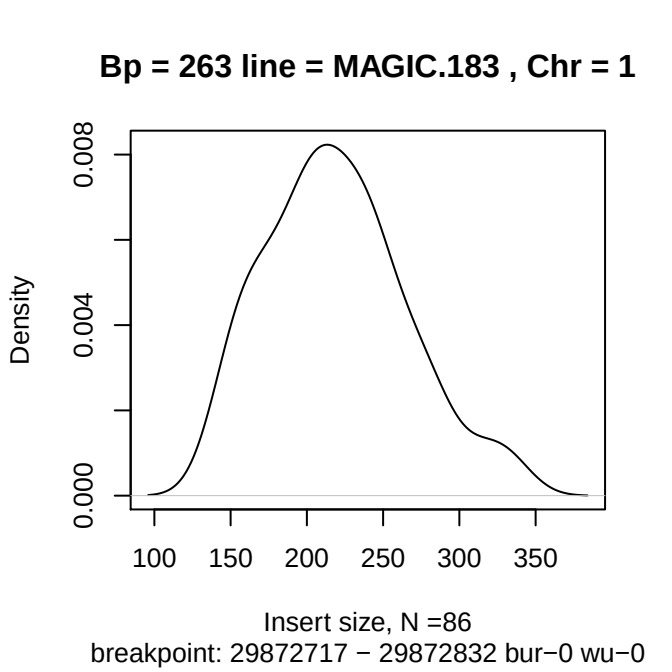

Bp = 258 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 28713668 − 28713735 sf−2 po−0

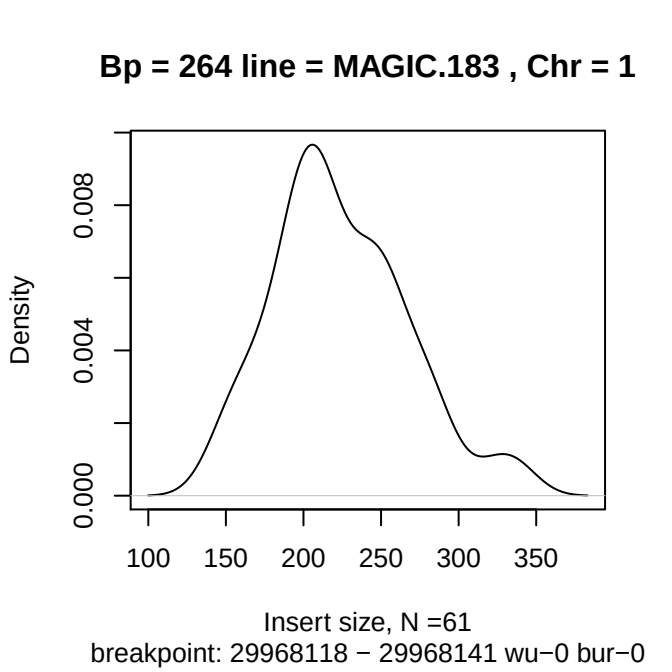

Bp = 259 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =46
breakpoint: 29134283 − 29134284 po−0 oy−0

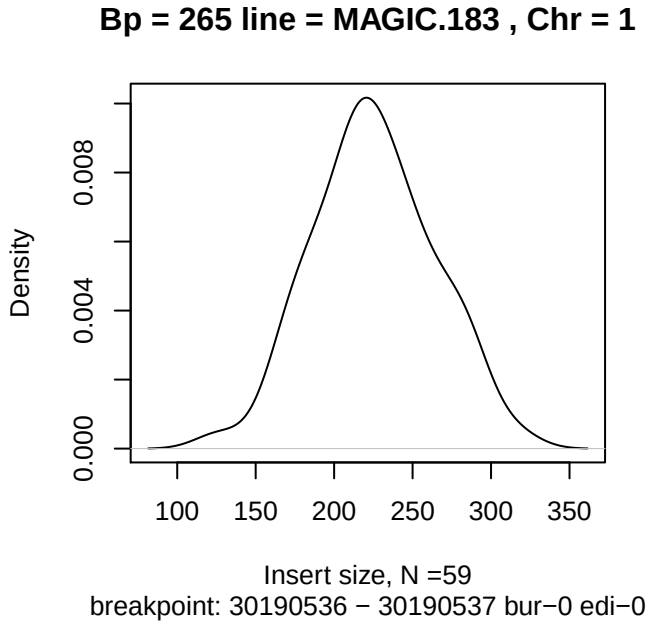

Bp = 260 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =37
breakpoint: 29465626 − 29465631 oy−0 hi−0

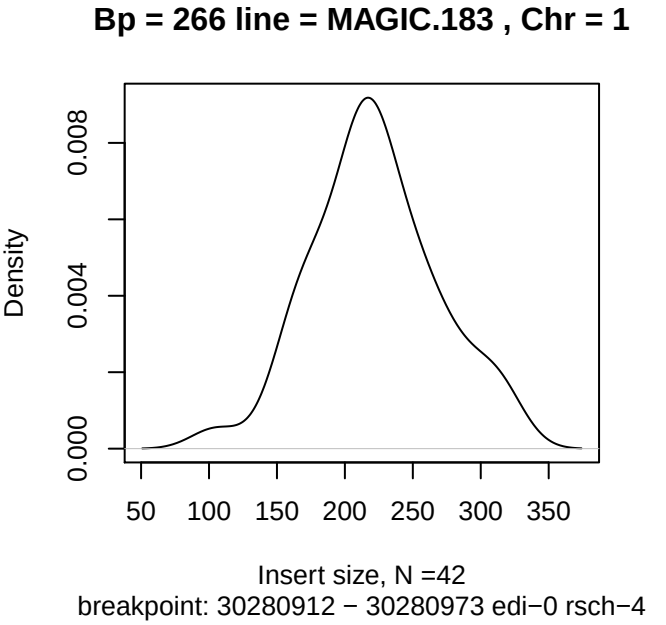

Bp = 261 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =62
breakpoint: 29610856 − 29610942 hi−0 ler−0

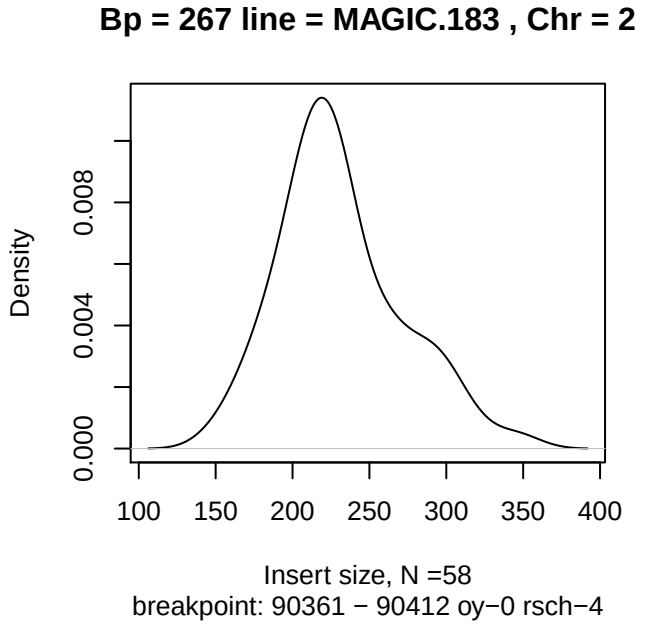

Bp = 262 line = MAGIC.183 , Chr = 1
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =60
breakpoint: 29655313 − 29655329 ler−0 bur−0

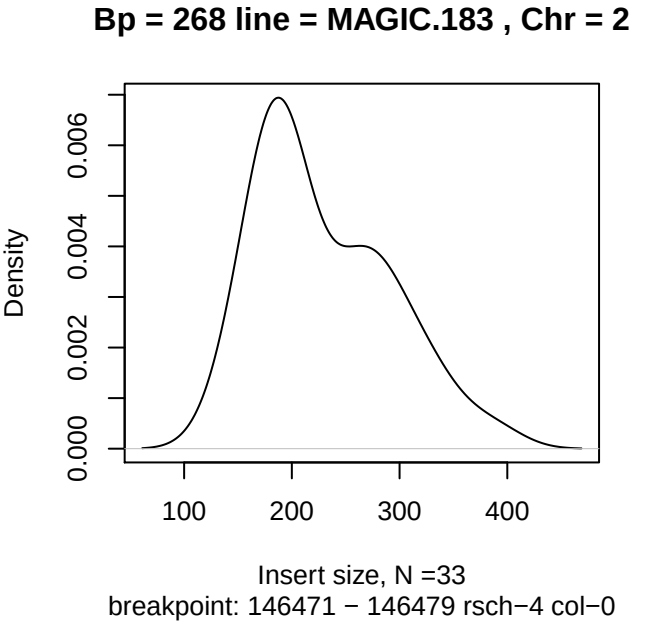

Bp = 263 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =86
breakpoint: 29872717 − 29872832 bur−0 wu−0

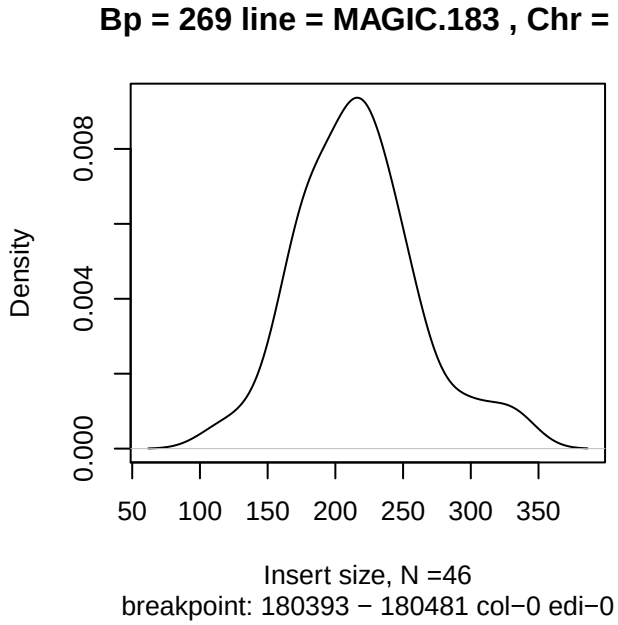

Bp = 264 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =61
breakpoint: 29968118 − 29968141 wu−0 bur−0

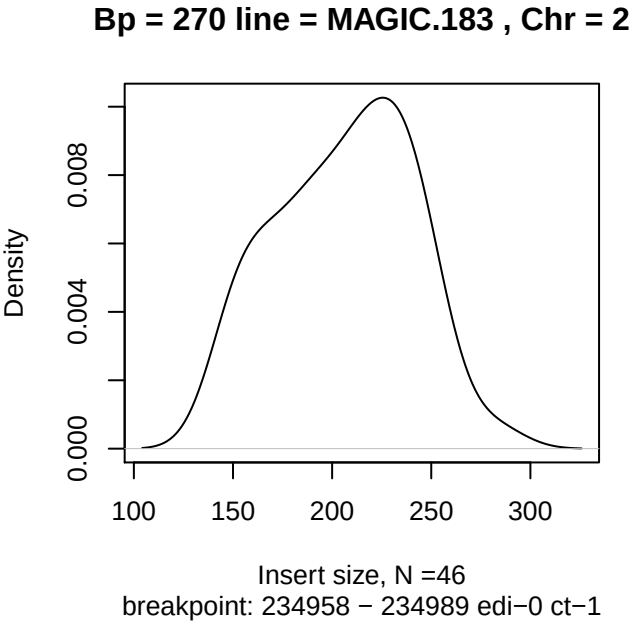

Bp = 265 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =59
breakpoint: 30190536 − 30190537 bur−0 edi−0

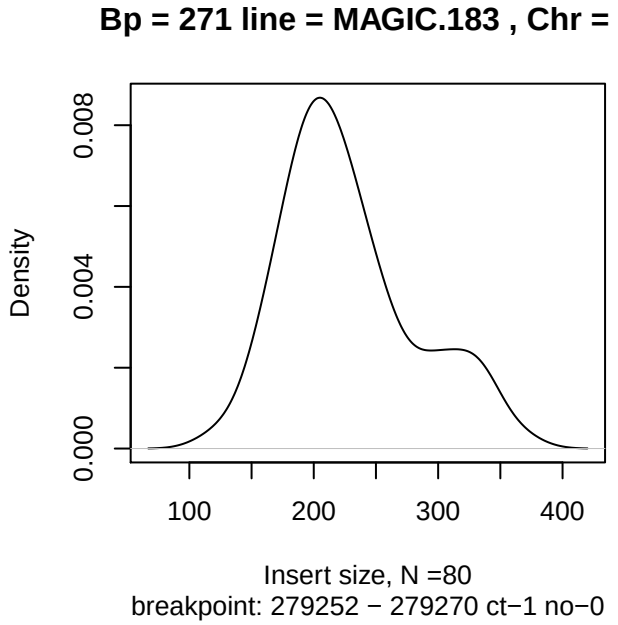

Bp = 266 line = MAGIC.183 , Chr = 1
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =42
breakpoint: 30280912 − 30280973 edi−0 rsch−4

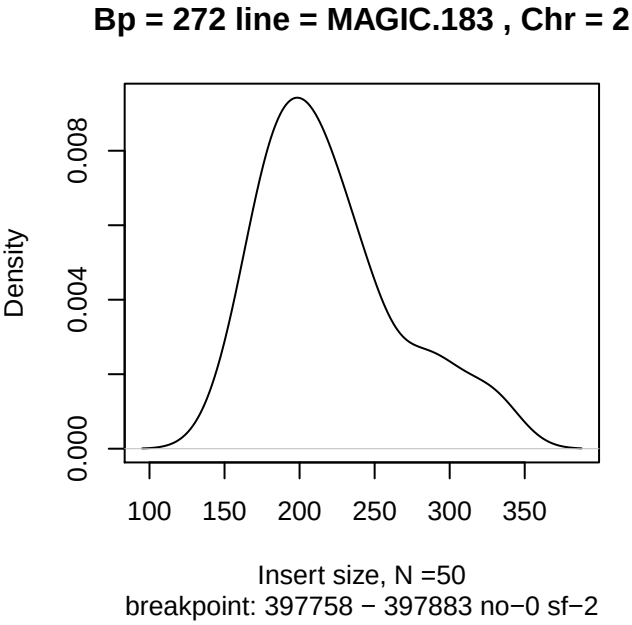

Bp = 267 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =58
breakpoint: 90361 − 90412 oy−0 rsch−4

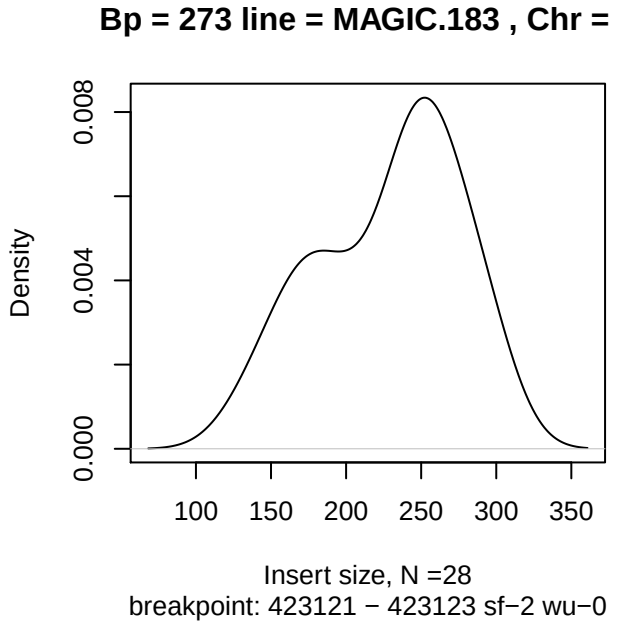

Bp = 268 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =33
breakpoint: 146471 − 146479 rsch−4 col−0

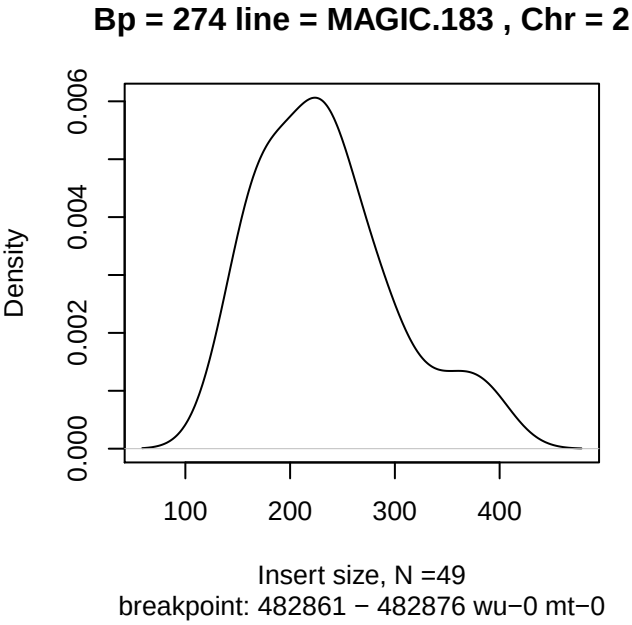

Bp = 269 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =46
breakpoint: 180393 − 180481 col−0 edi−0

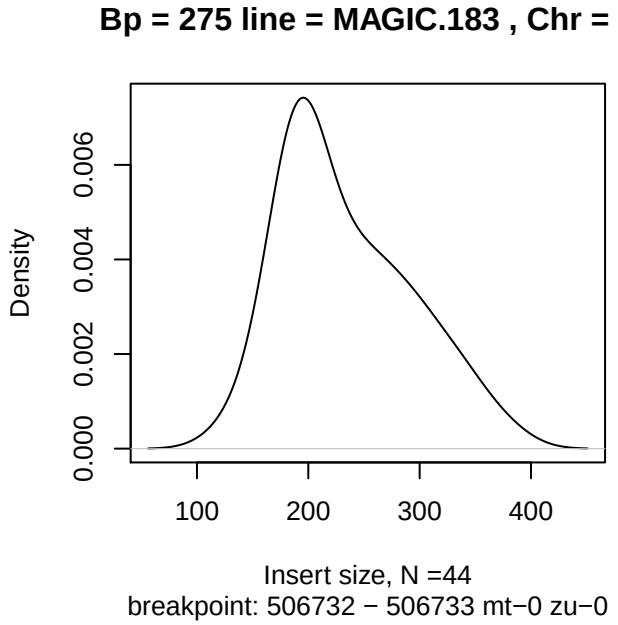

Bp = 270 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =46
breakpoint: 234958 − 234989 edi−0 ct−1

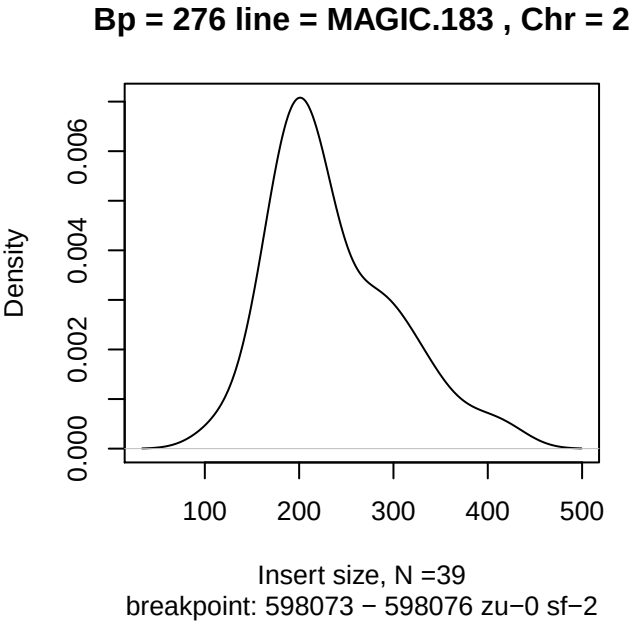

Bp = 271 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =80
breakpoint: 279252 − 279270 ct−1 no−0

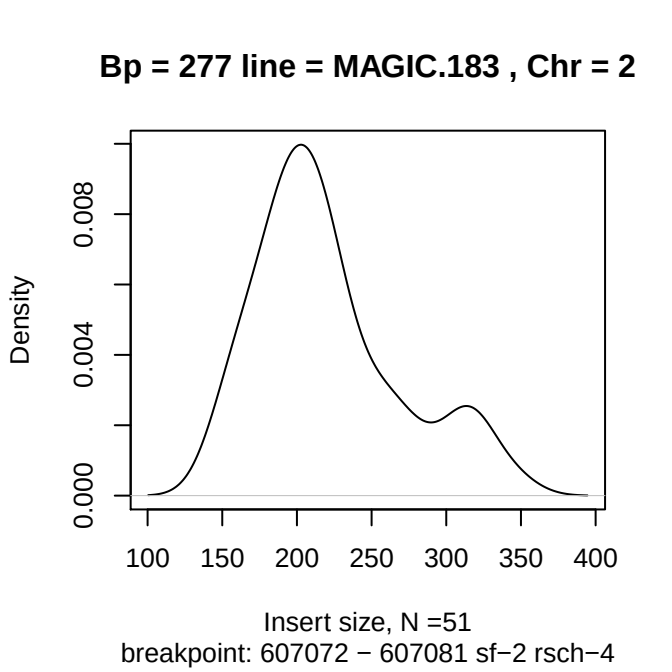

Bp = 272 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =50
breakpoint: 397758 − 397883 no−0 sf−2

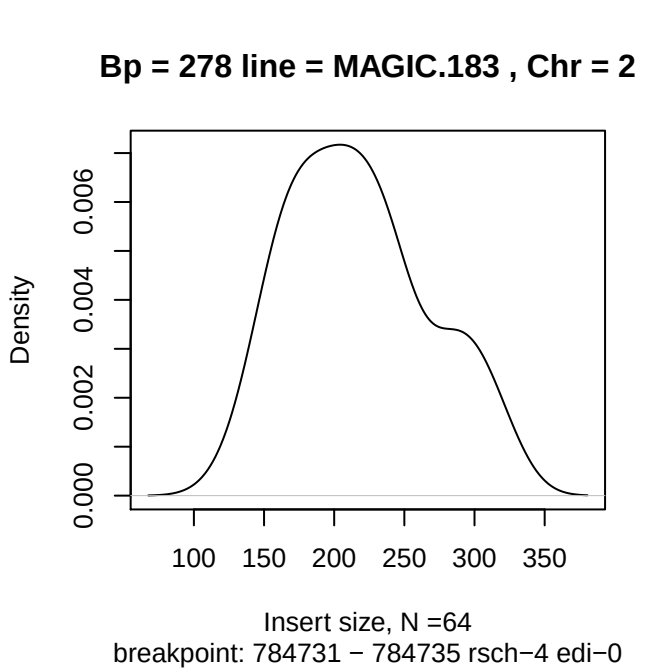

Bp = 273 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =28
breakpoint: 423121 − 423123 sf−2 wu−0

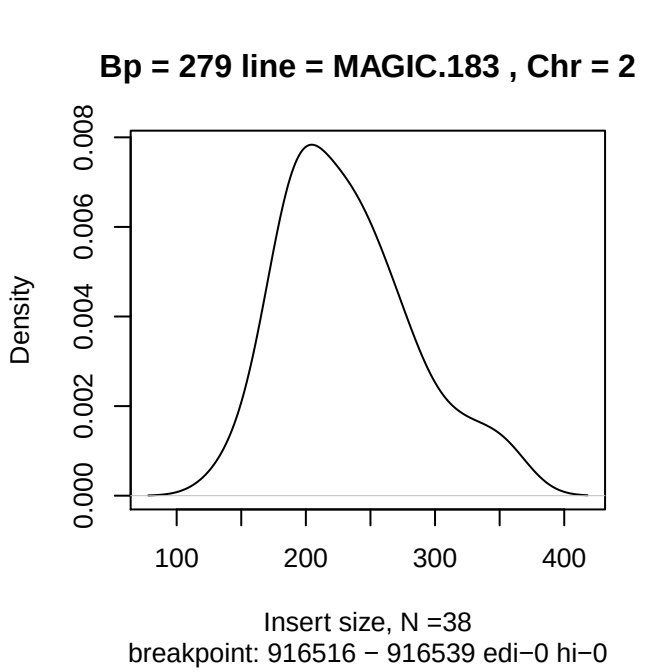

Bp = 274 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =49
breakpoint: 482861 − 482876 wu−0 mt−0

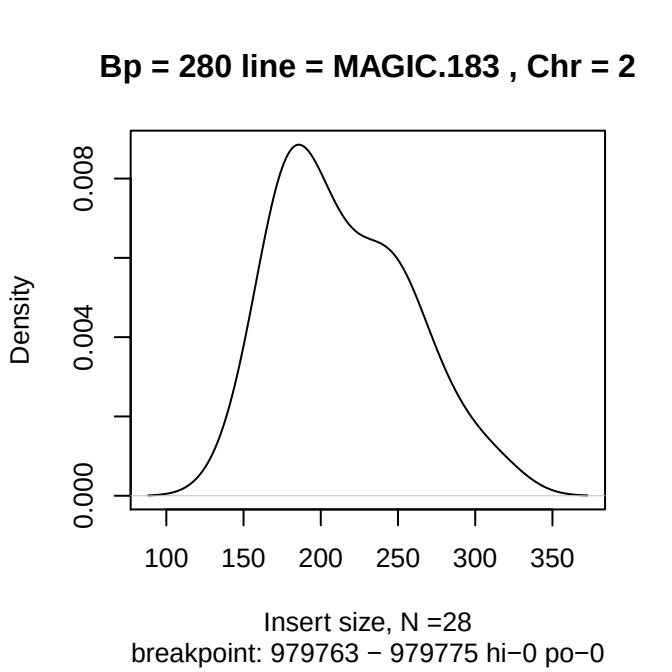

Bp = 275 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =44
breakpoint: 506732 − 506733 mt−0 zu−0

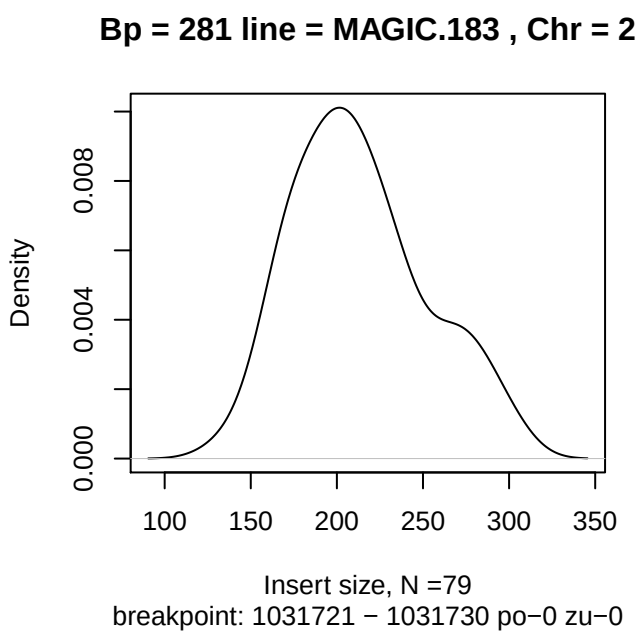

Bp = 276 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
500
Insert size, N =39
breakpoint: 598073 − 598076 zu−0 sf−2

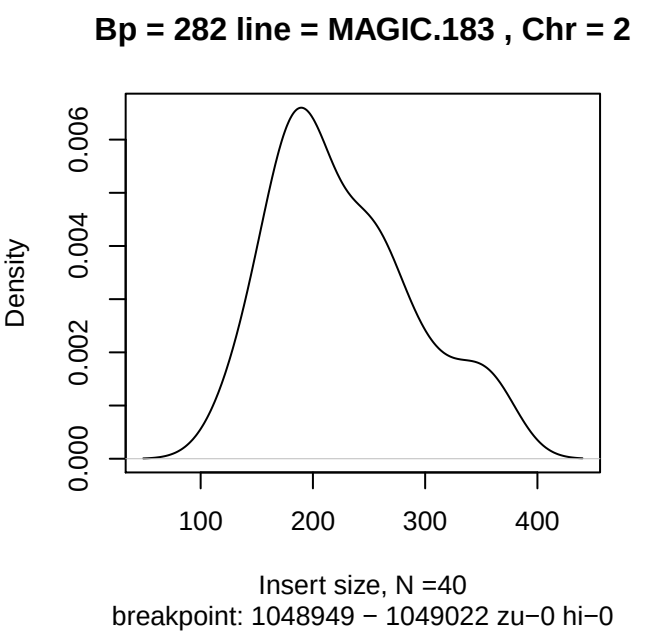

Bp = 277 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =51
breakpoint: 607072 − 607081 sf−2 rsch−4

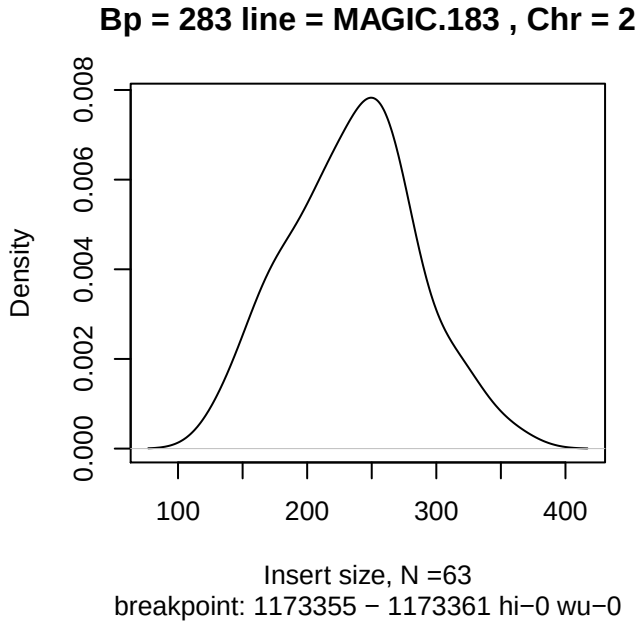

Bp = 278 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =64
breakpoint: 784731 − 784735 rsch−4 edi−0

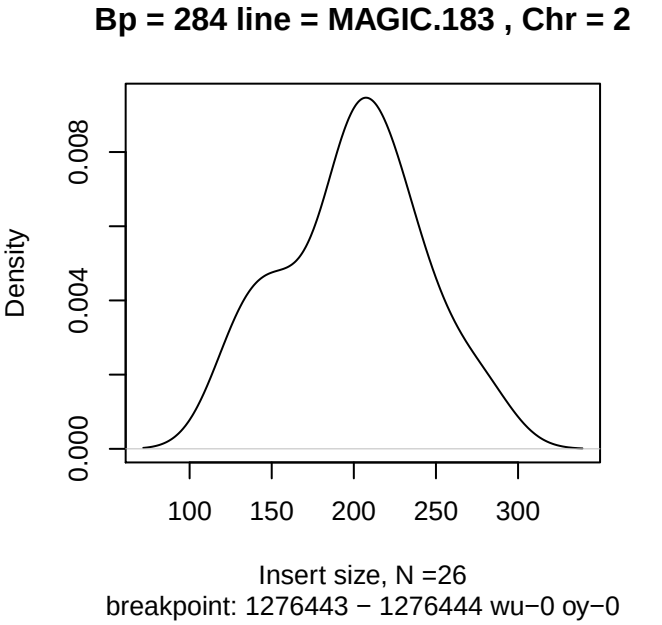

Bp = 279 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =38
breakpoint: 916516 − 916539 edi−0 hi−0

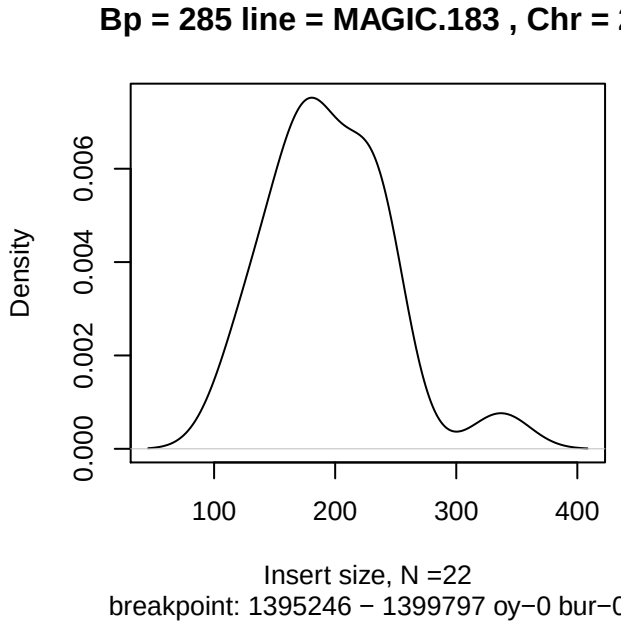

Bp = 280 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =28
breakpoint: 979763 − 979775 hi−0 po−0

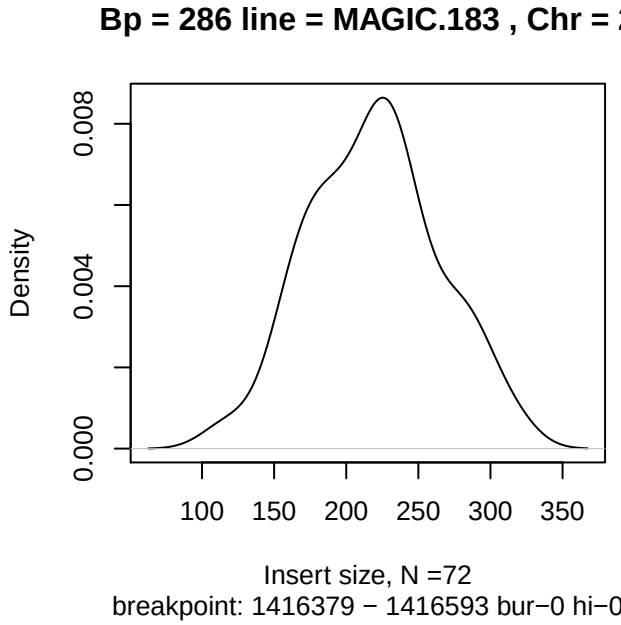

Bp = 281 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =79
breakpoint: 1031721 − 1031730 po−0 zu−0

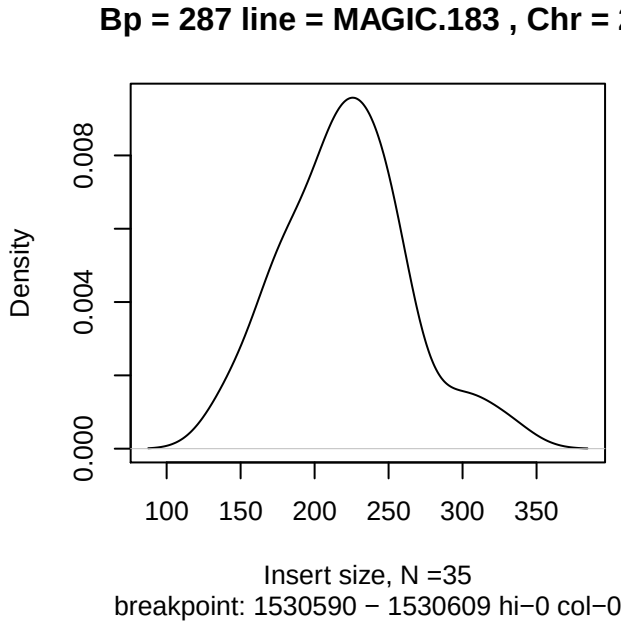

Bp = 282 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =40
breakpoint: 1048949 − 1049022 zu−0 hi−0

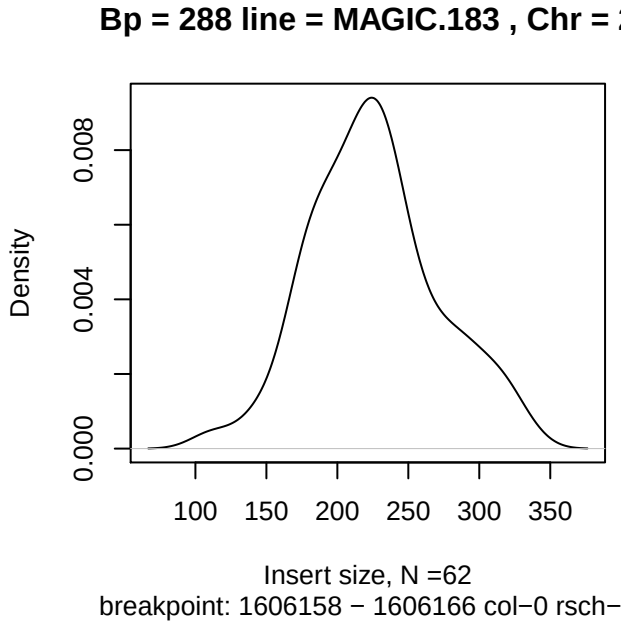

Bp = 283 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =63
breakpoint: 1173355 − 1173361 hi−0 wu−0

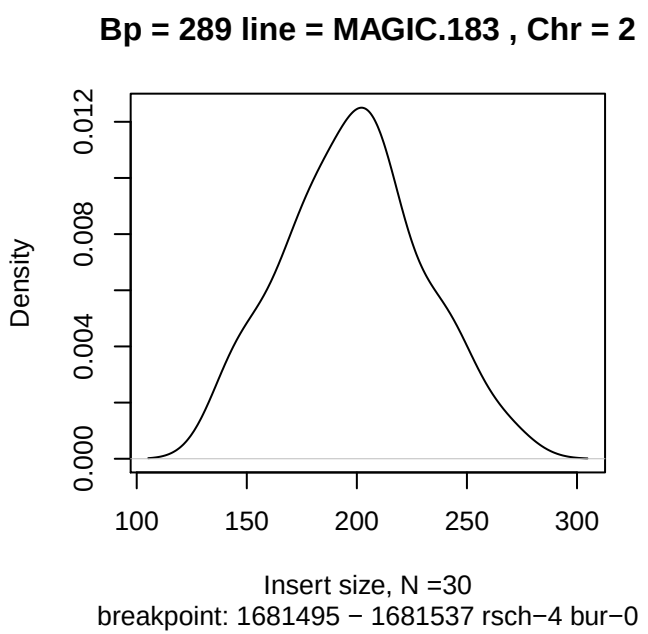

Bp = 284 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =26
breakpoint: 1276443 − 1276444 wu−0 oy−0

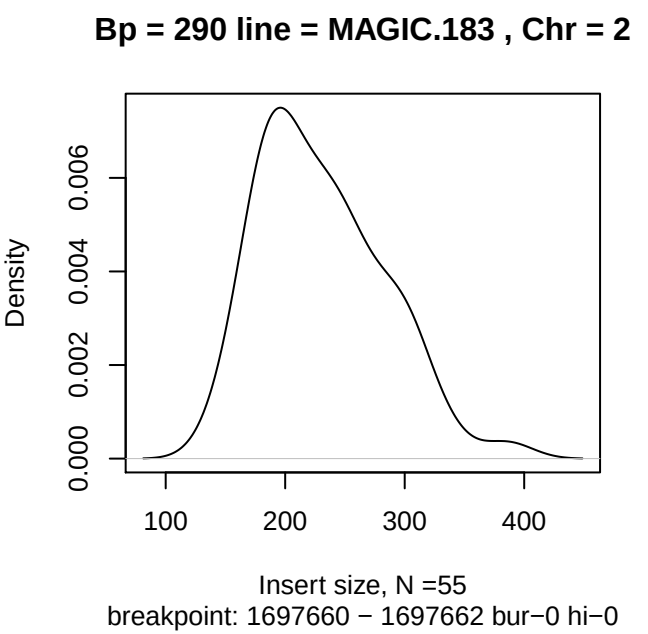

Bp = 285 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =22
breakpoint: 1395246 − 1399797 oy−0 bur−0

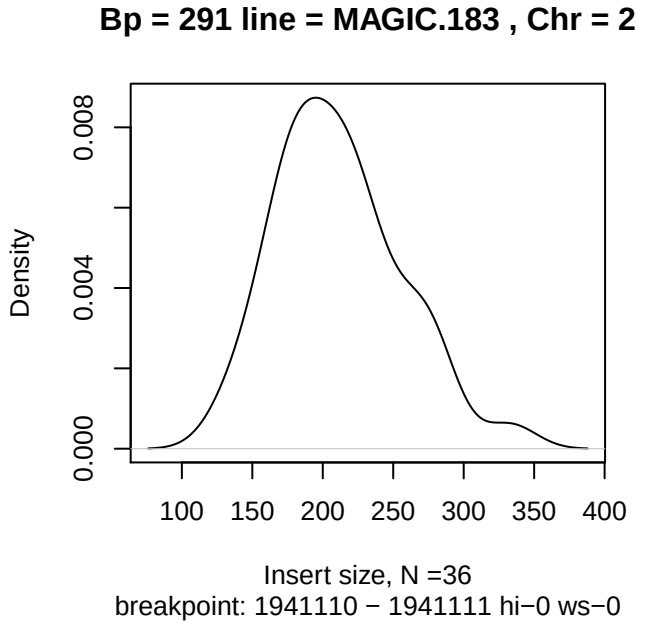

Bp = 286 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =72
breakpoint: 1416379 − 1416593 bur−0 hi−0

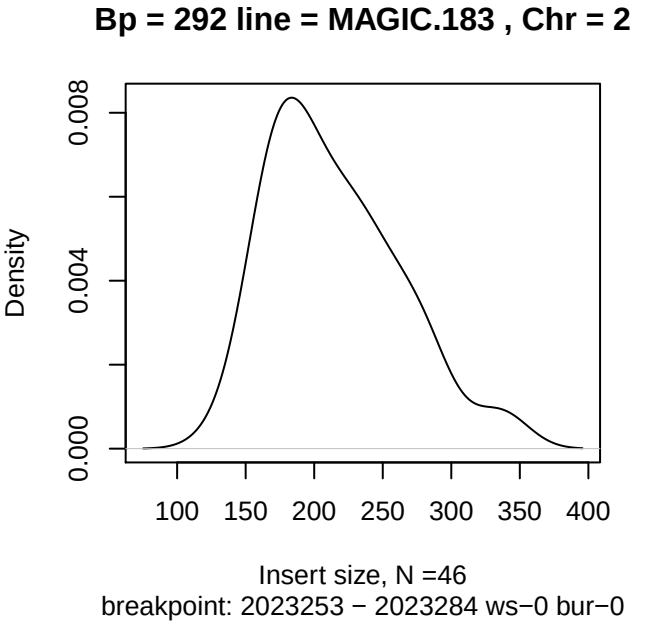

Bp = 287 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =35
breakpoint: 1530590 − 1530609 hi−0 col−0

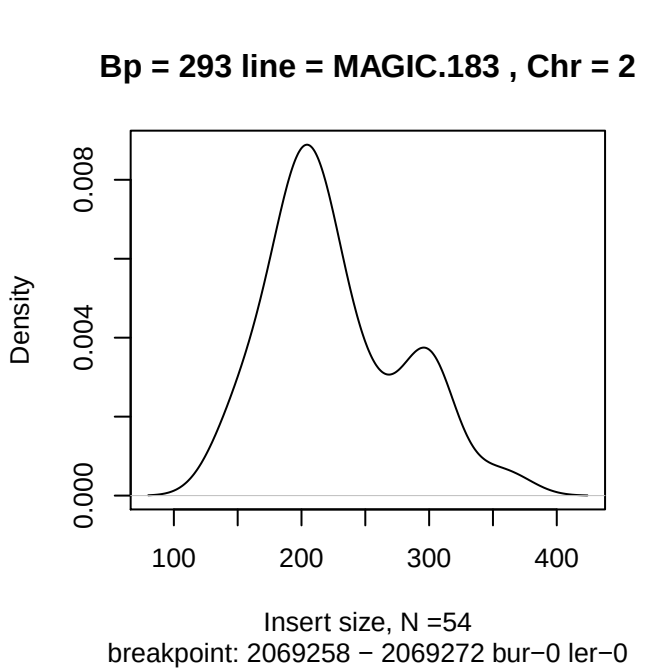

Bp = 288 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =62
breakpoint: 1606158 − 1606166 col−0 rsch−4

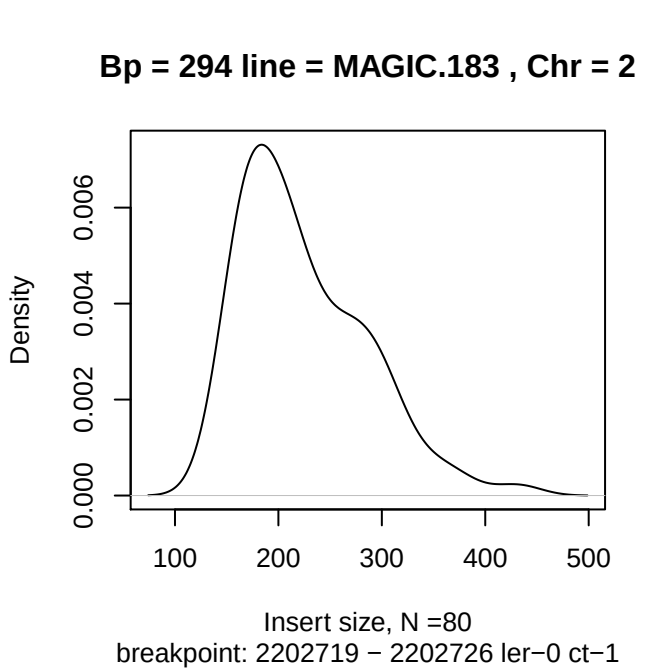

Bp = 289 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =30
breakpoint: 1681495 − 1681537 rsch−4 bur−0

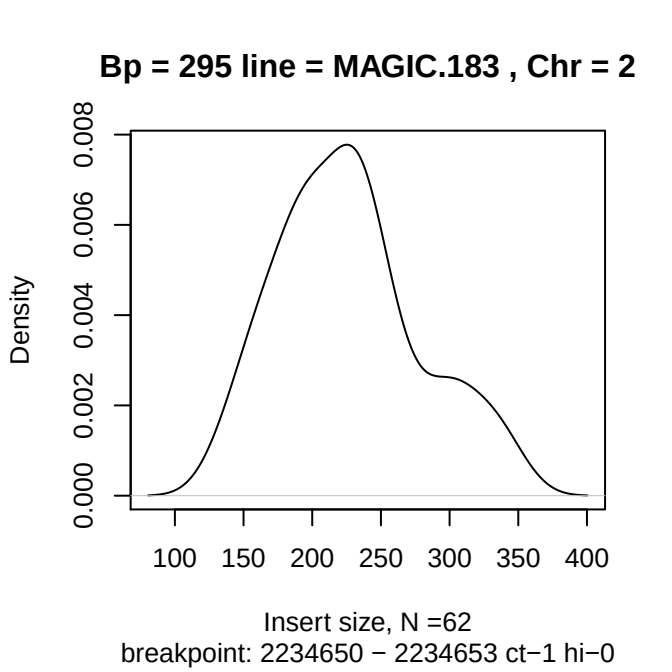

Bp = 290 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =55
breakpoint: 1697660 − 1697662 bur−0 hi−0

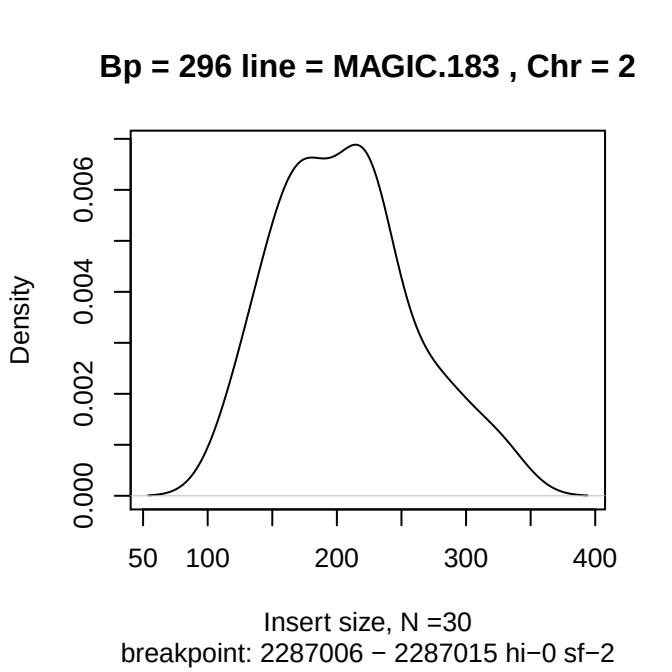

Bp = 291 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =36
breakpoint: 1941110 − 1941111 hi−0 ws−0

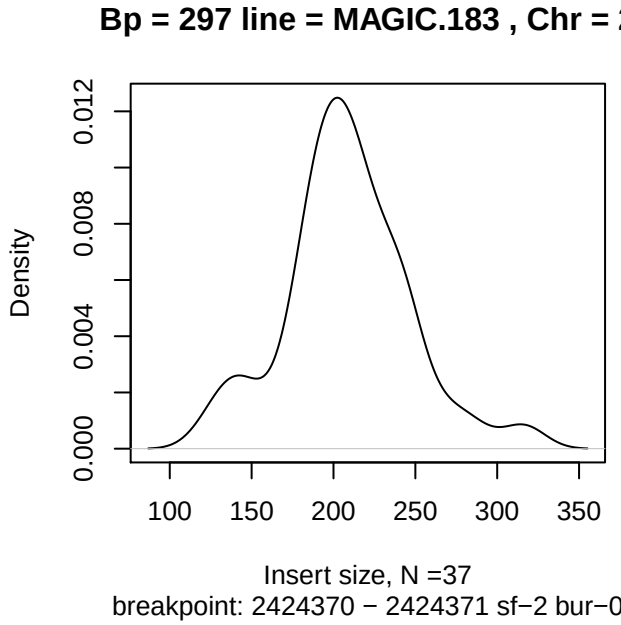

Bp = 292 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =46
breakpoint: 2023253 − 2023284 ws−0 bur−0

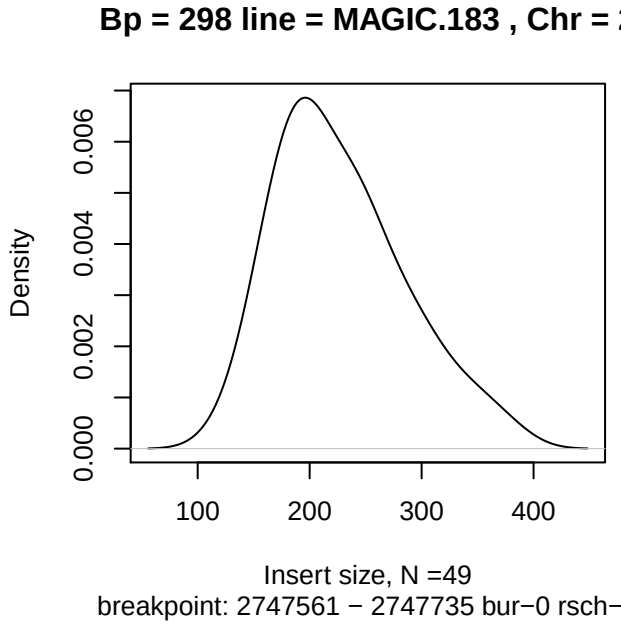

Bp = 293 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =54
breakpoint: 2069258 − 2069272 bur−0 ler−0

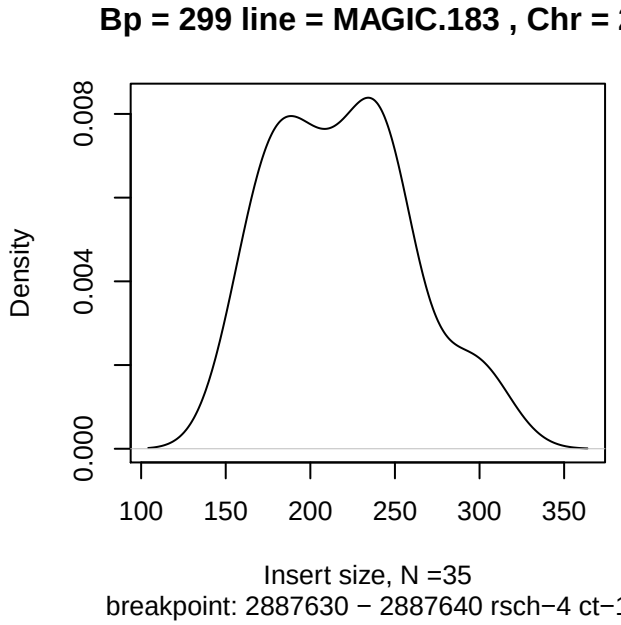

Bp = 294 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
500
Insert size, N =80
breakpoint: 2202719 − 2202726 ler−0 ct−1

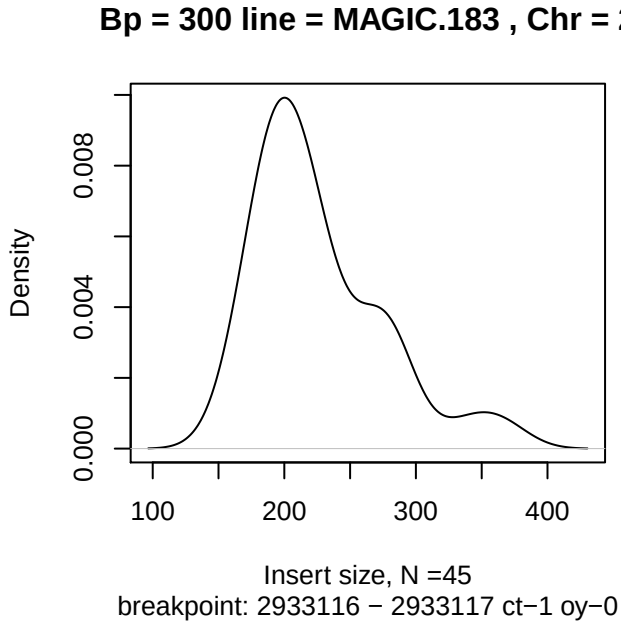

Bp = 295 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =62
breakpoint: 2234650 − 2234653 ct−1 hi−0

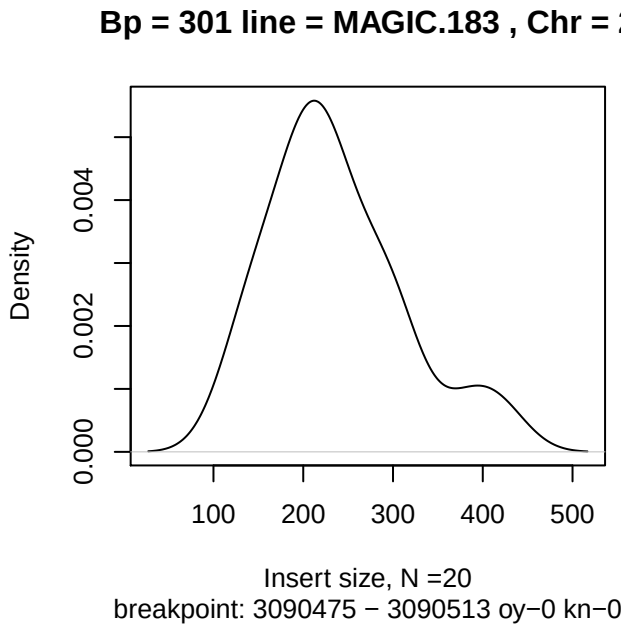

Bp = 296 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =30
breakpoint: 2287006 − 2287015 hi−0 sf−2

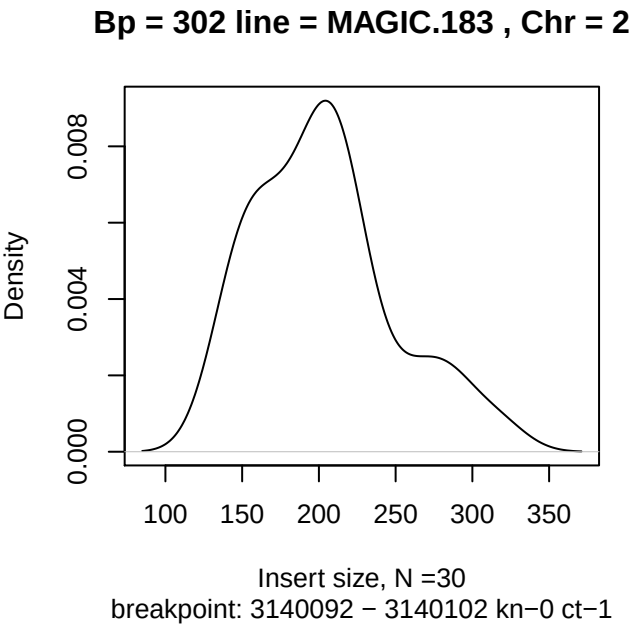

Bp = 297 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =37
breakpoint: 2424370 − 2424371 sf−2 bur−0

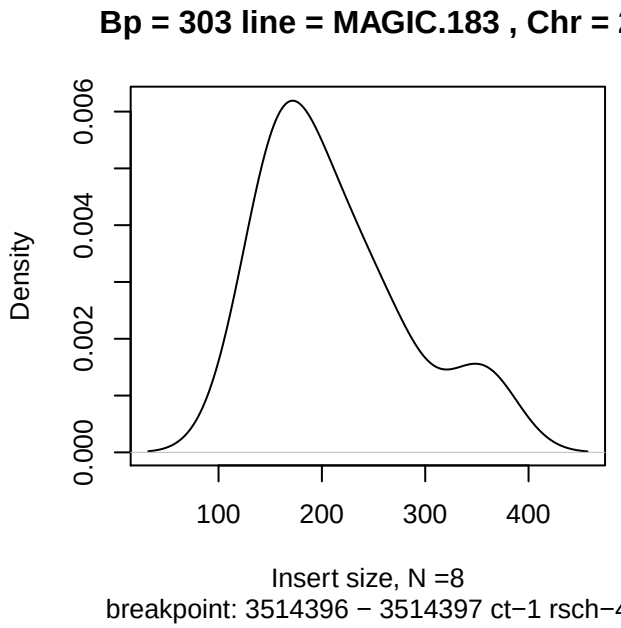

Bp = 298 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =49
breakpoint: 2747561 − 2747735 bur−0 rsch−4

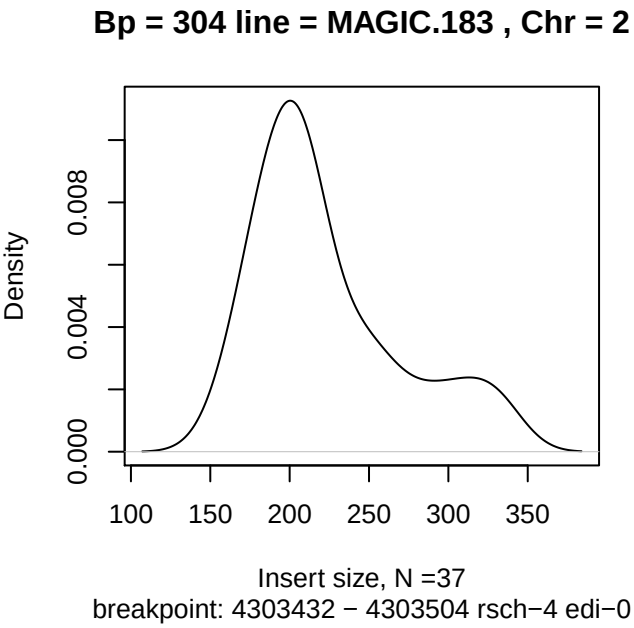

Bp = 299 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =35
breakpoint: 2887630 − 2887640 rsch−4 ct−1

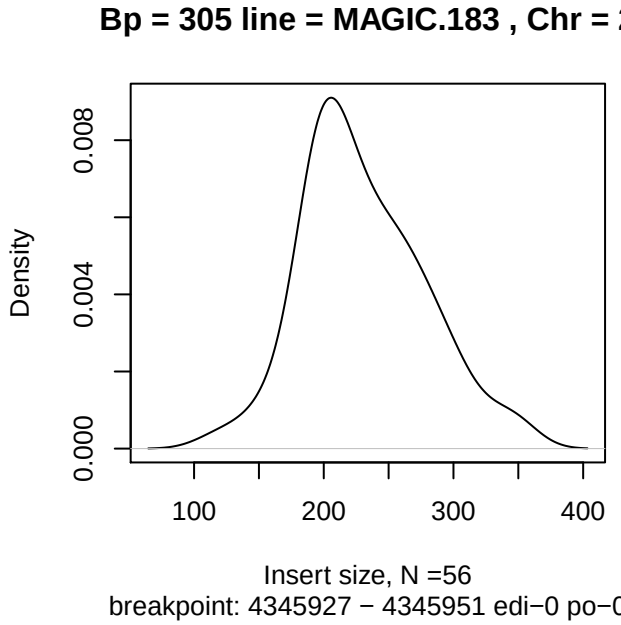

Bp = 300 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =45
breakpoint: 2933116 − 2933117 ct−1 oy−0

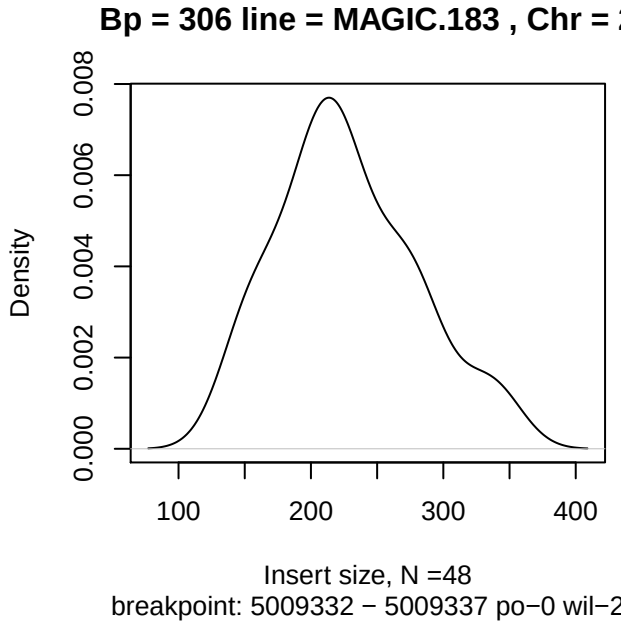

Bp = 301 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
100
200
300
400
500
Insert size, N =20
breakpoint: 3090475 − 3090513 oy−0 kn−0

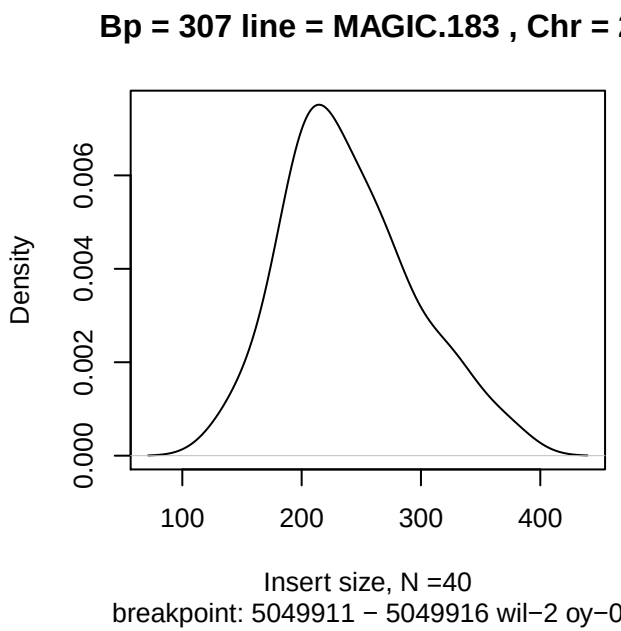

Bp = 302 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =30
breakpoint: 3140092 − 3140102 kn−0 ct−1

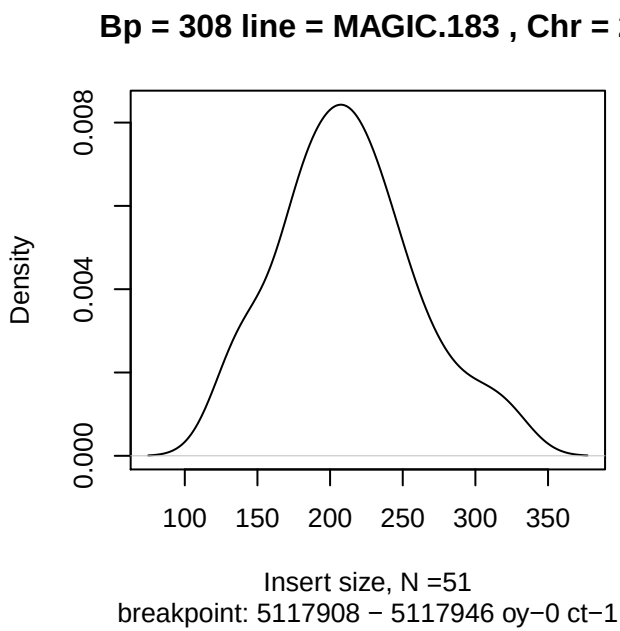

Bp = 303 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =8
breakpoint: 3514396 − 3514397 ct−1 rsch−4

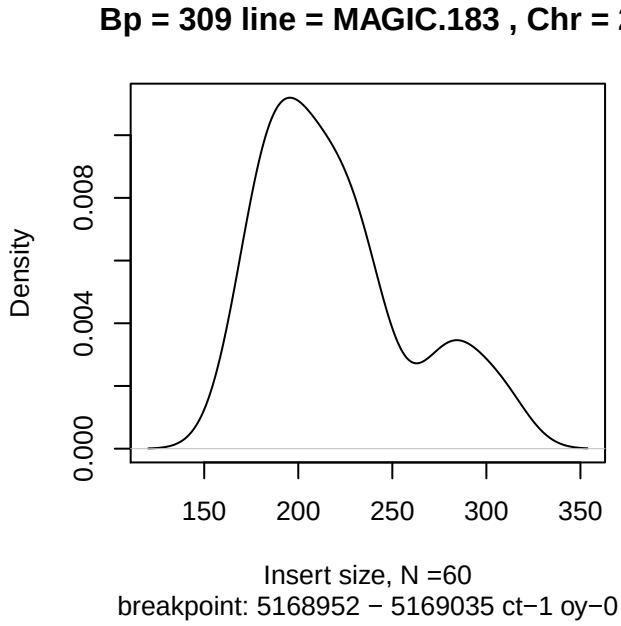

Bp = 304 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =37
breakpoint: 4303432 − 4303504 rsch−4 edi−0

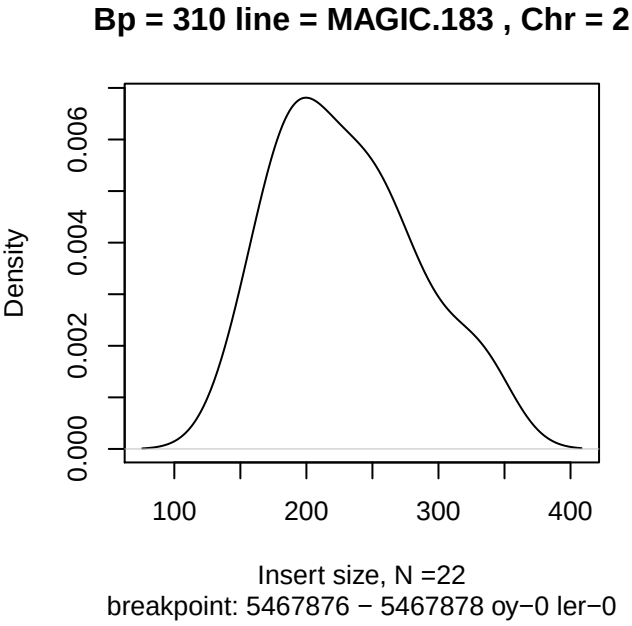

Bp = 305 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =56
breakpoint: 4345927 − 4345951 edi−0 po−0

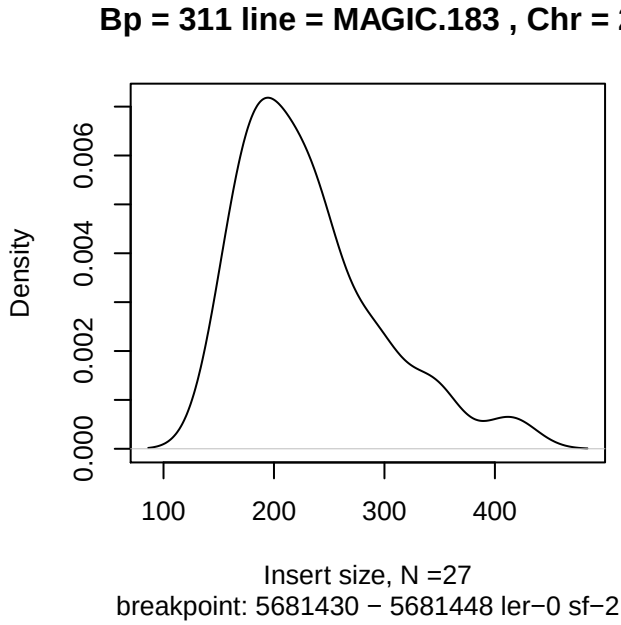

Bp = 306 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =48
breakpoint: 5009332 − 5009337 po−0 wil−2

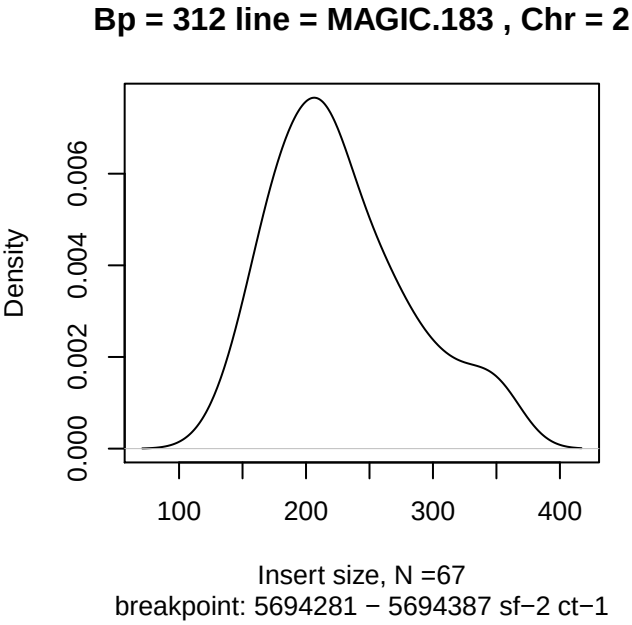

Bp = 307 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =40
breakpoint: 5049911 − 5049916 wil−2 oy−0

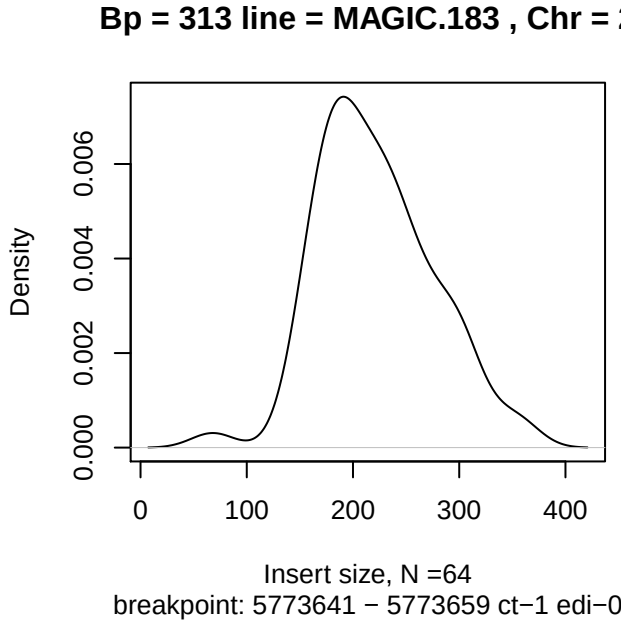

Bp = 308 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =51
breakpoint: 5117908 − 5117946 oy−0 ct−1

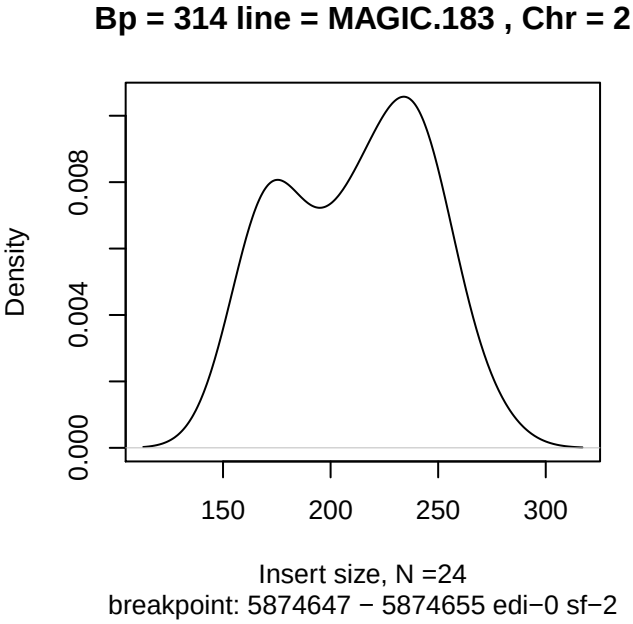

Bp = 309 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =60
breakpoint: 5168952 − 5169035 ct−1 oy−0

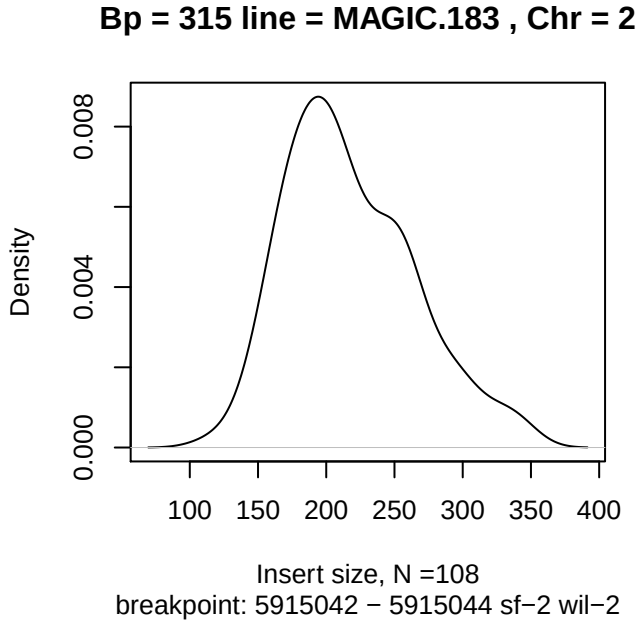

Bp = 310 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =22
breakpoint: 5467876 − 5467878 oy−0 ler−0

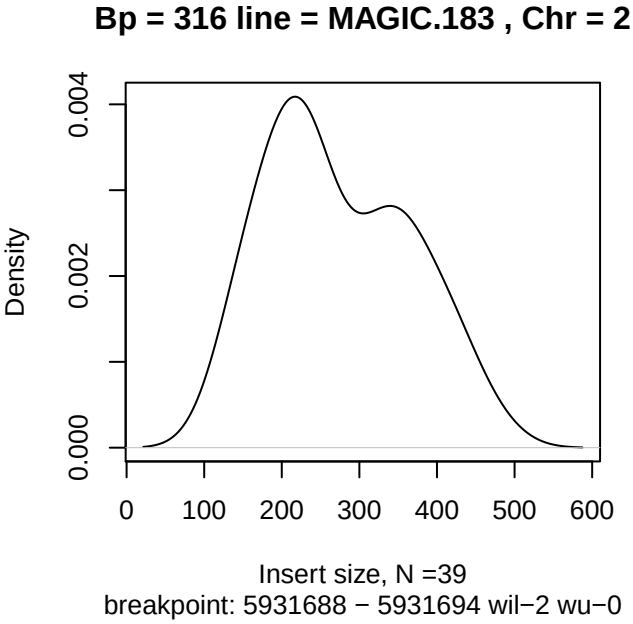

Bp = 311 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =27
breakpoint: 5681430 − 5681448 ler−0 sf−2

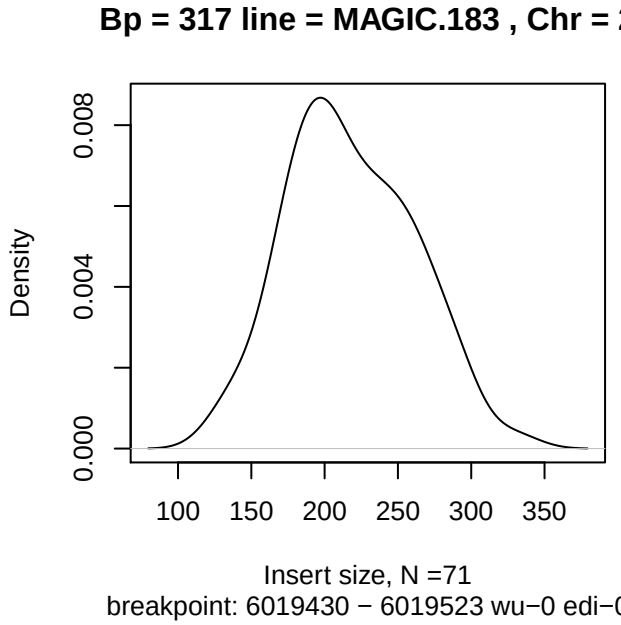

Bp = 312 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =67
breakpoint: 5694281 − 5694387 sf−2 ct−1

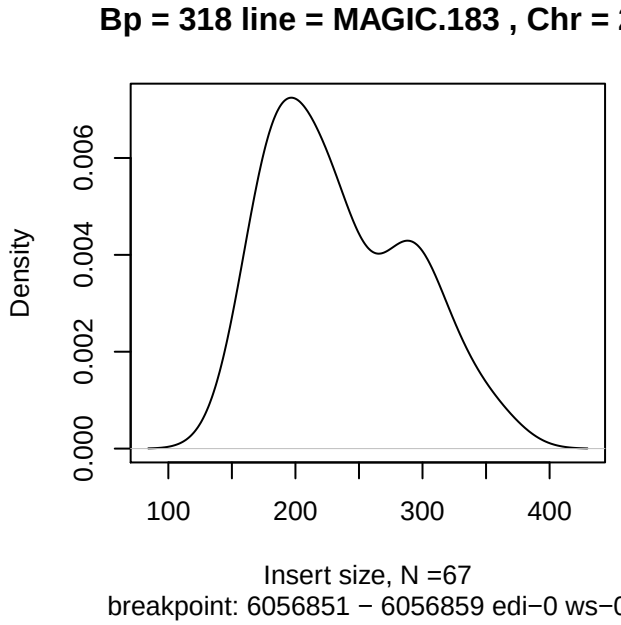

Bp = 313 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0
100
200
300
400
Insert size, N =64
breakpoint: 5773641 − 5773659 ct−1 edi−0

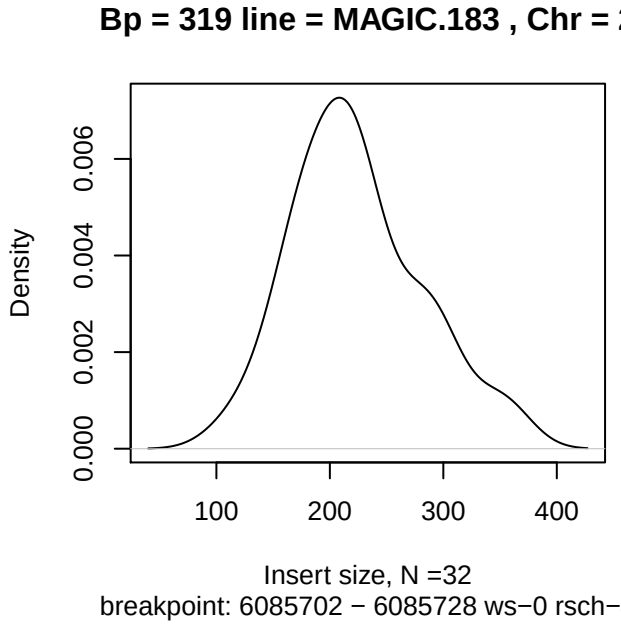

Bp = 314 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
150
200
250
300
Insert size, N =24
breakpoint: 5874647 − 5874655 edi−0 sf−2

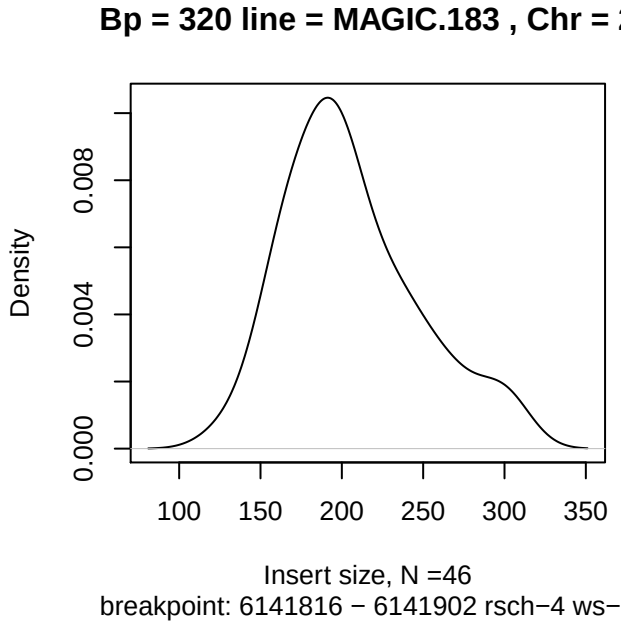

Bp = 315 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =108
breakpoint: 5915042 − 5915044 sf−2 wil−2

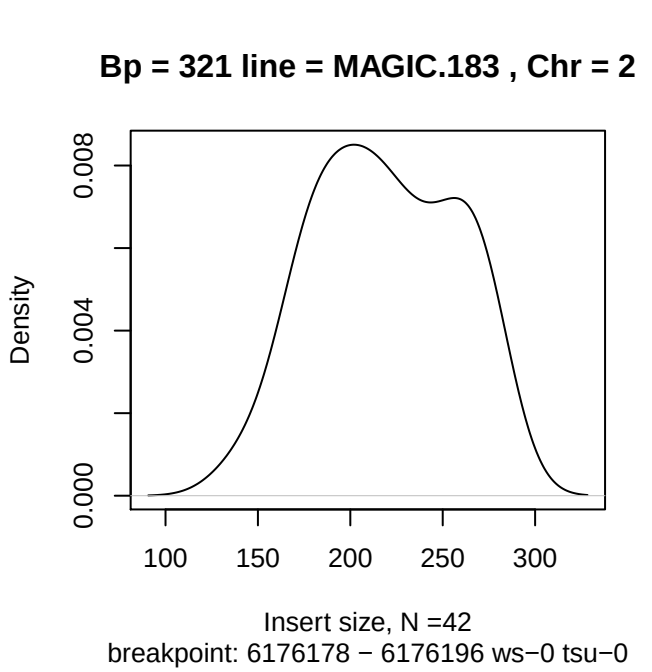

Bp = 316 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0
100
200
300
400
500
600
Insert size, N =39
breakpoint: 5931688 − 5931694 wil−2 wu−0

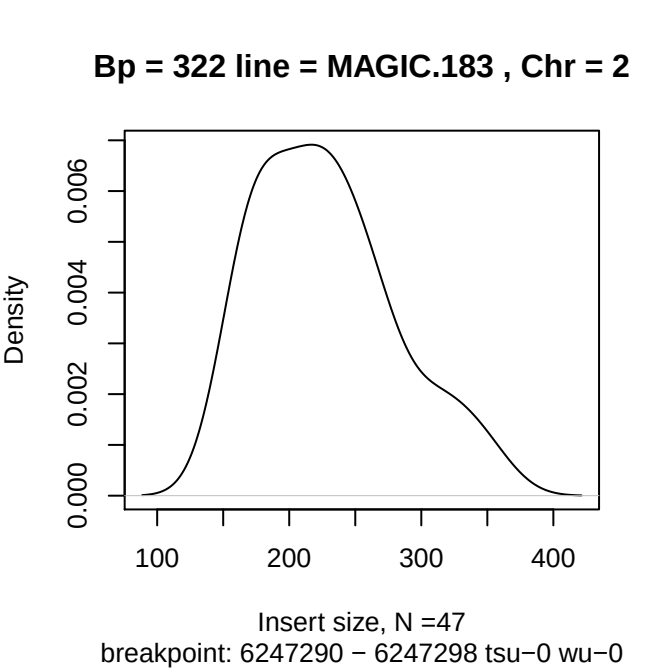

Bp = 317 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =71
breakpoint: 6019430 − 6019523 wu−0 edi−0

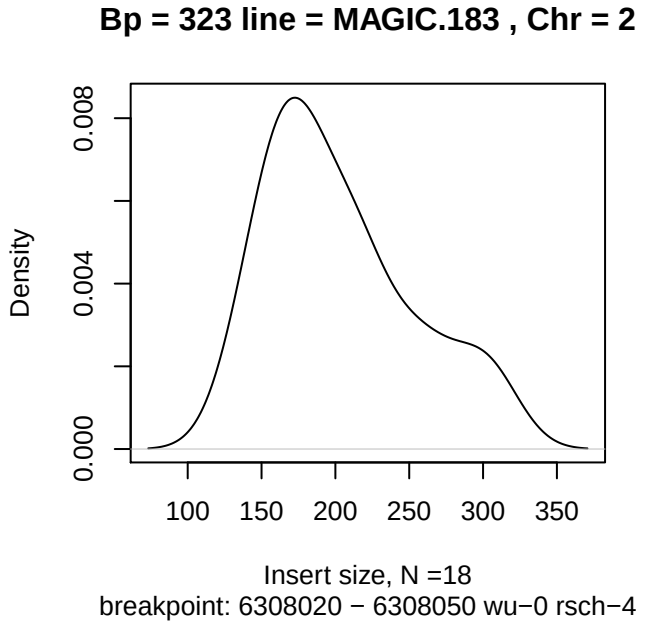

Bp = 318 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =67
breakpoint: 6056851 − 6056859 edi−0 ws−0

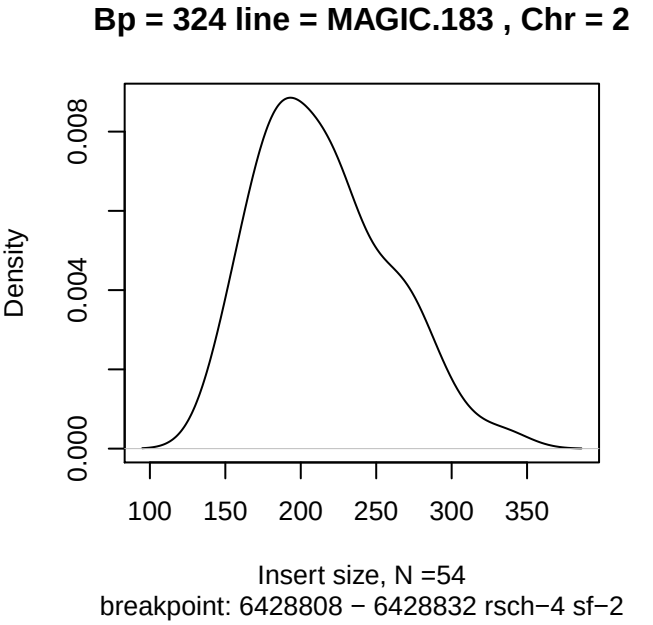

Bp = 319 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =32
breakpoint: 6085702 − 6085728 ws−0 rsch−4

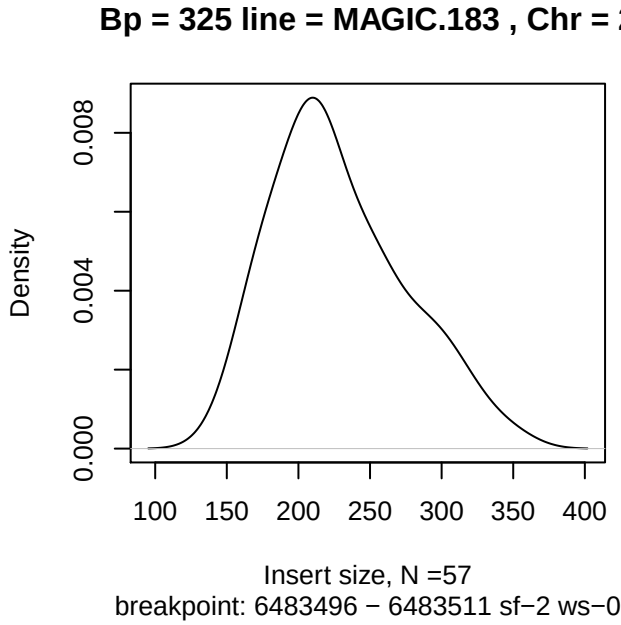

Bp = 320 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =46
breakpoint: 6141816 − 6141902 rsch−4 ws−0

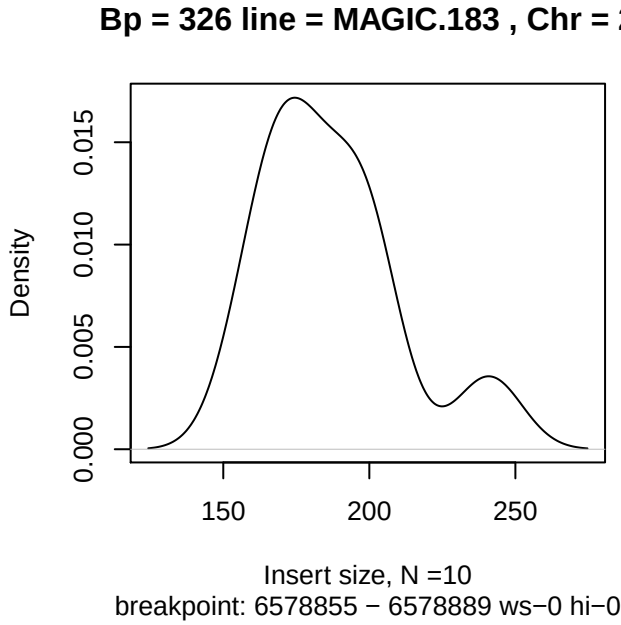

Bp = 321 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =42
breakpoint: 6176178 − 6176196 ws−0 tsu−0

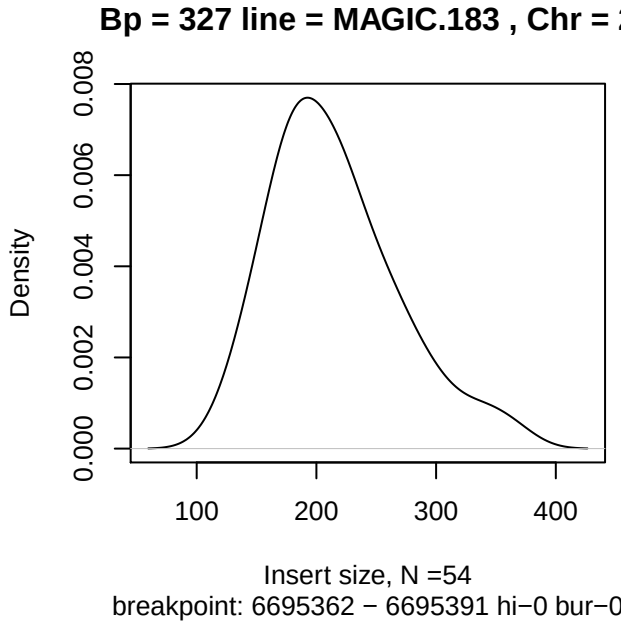

Bp = 322 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =47
breakpoint: 6247290 − 6247298 tsu−0 wu−0

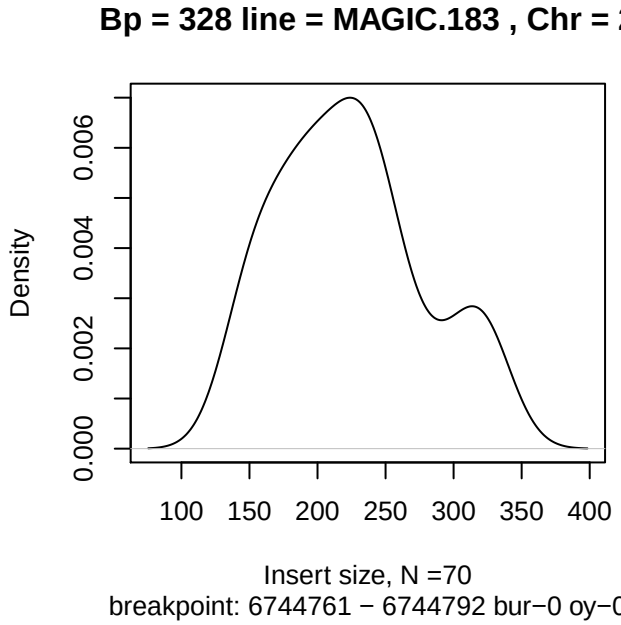

Bp = 323 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =18
breakpoint: 6308020 − 6308050 wu−0 rsch−4

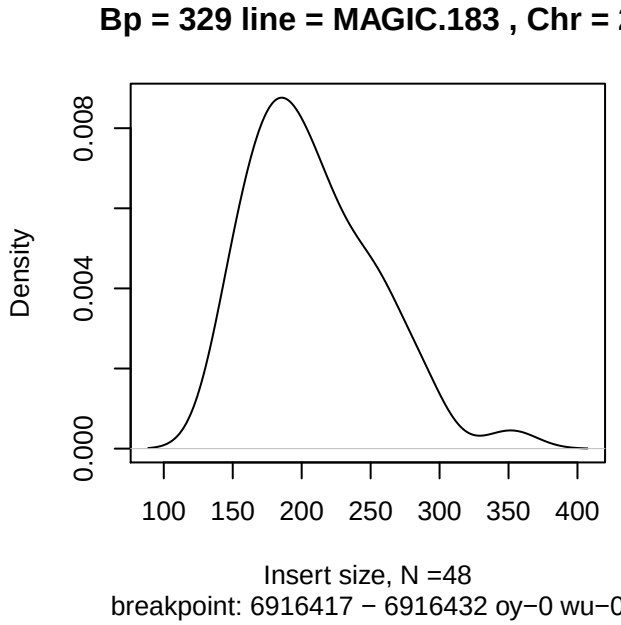

Bp = 324 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =54
breakpoint: 6428808 − 6428832 rsch−4 sf−2

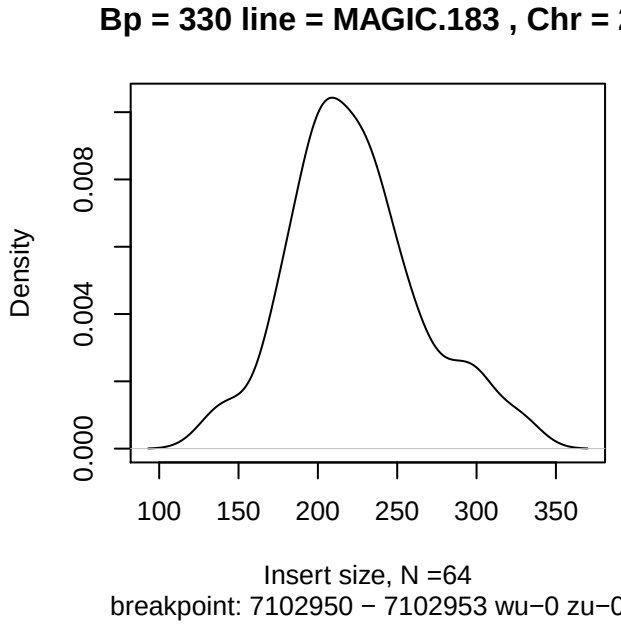

Bp = 325 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =57
breakpoint: 6483496 − 6483511 sf−2 ws−0

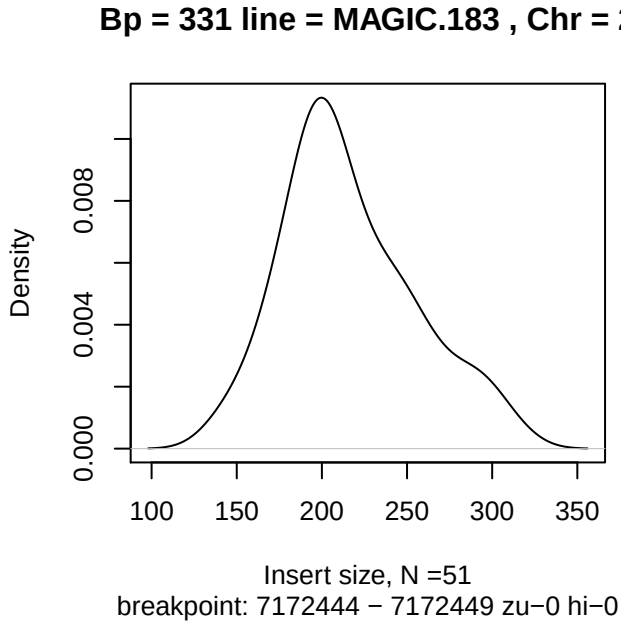

Bp = 326 line = MAGIC.183 , Chr = 2
Density
0.000
0.005
0.010
0.015
150
200
250
Insert size, N =10
breakpoint: 6578855 − 6578889 ws−0 hi−0

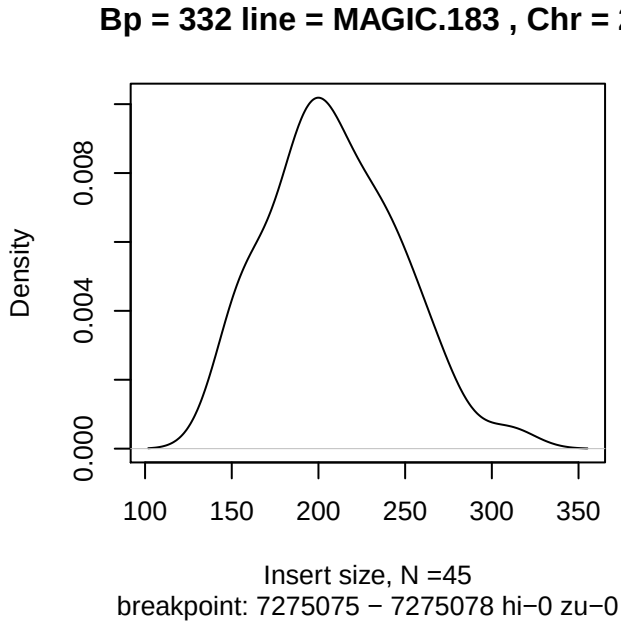

Bp = 327 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =54
breakpoint: 6695362 − 6695391 hi−0 bur−0

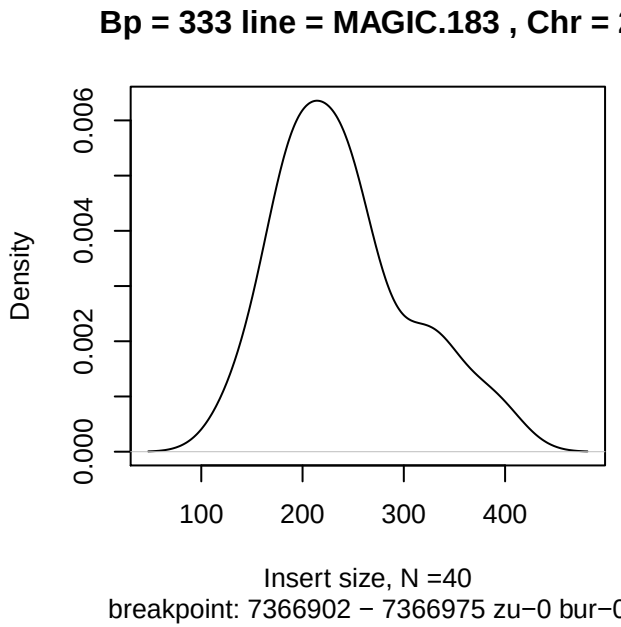

Bp = 328 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =70
breakpoint: 6744761 − 6744792 bur−0 oy−0

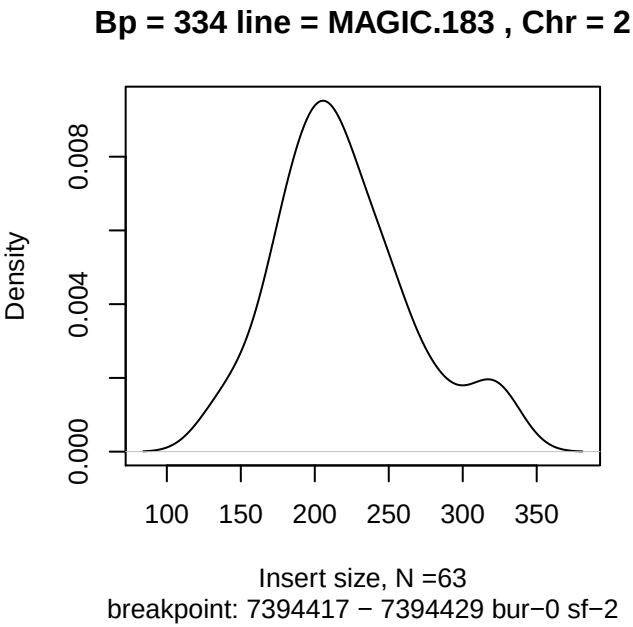

Bp = 329 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =48
breakpoint: 6916417 − 6916432 oy−0 wu−0

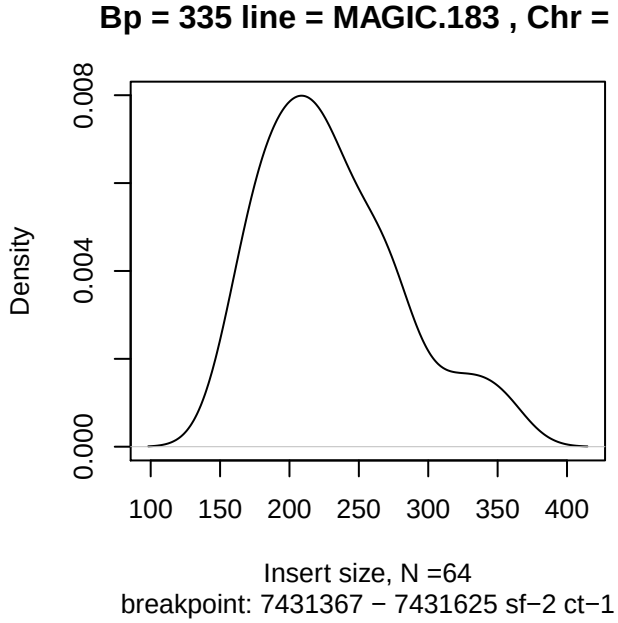

Bp = 330 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =64
breakpoint: 7102950 − 7102953 wu−0 zu−0

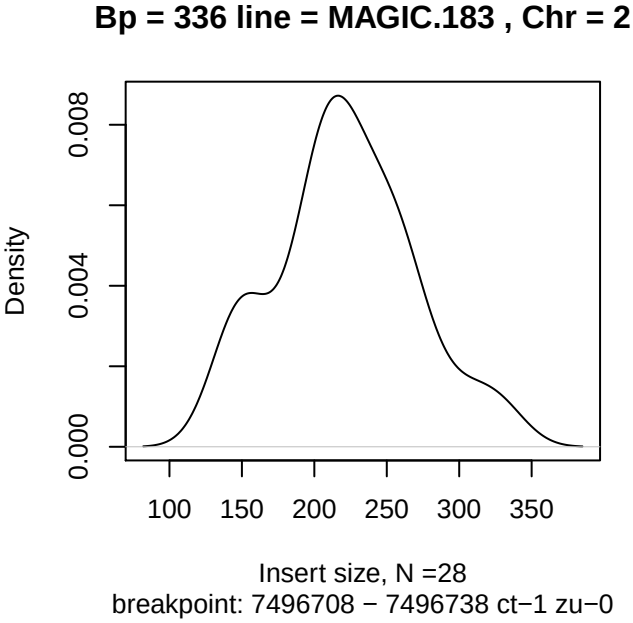

Bp = 331 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =51
breakpoint: 7172444 − 7172449 zu−0 hi−0

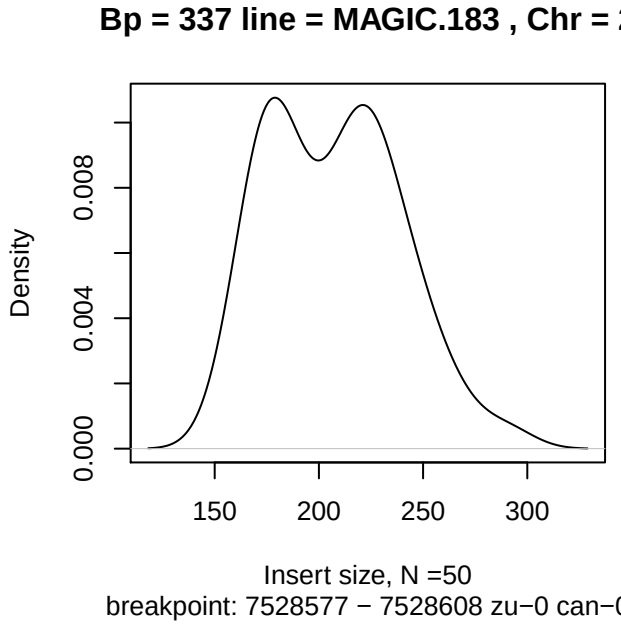

Bp = 332 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 7275075 − 7275078 hi−0 zu−0

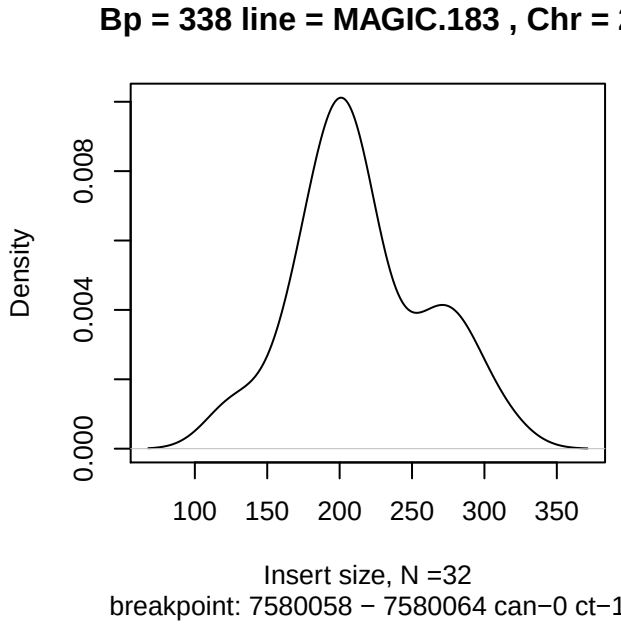

Bp = 333 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =40
breakpoint: 7366902 − 7366975 zu−0 bur−0

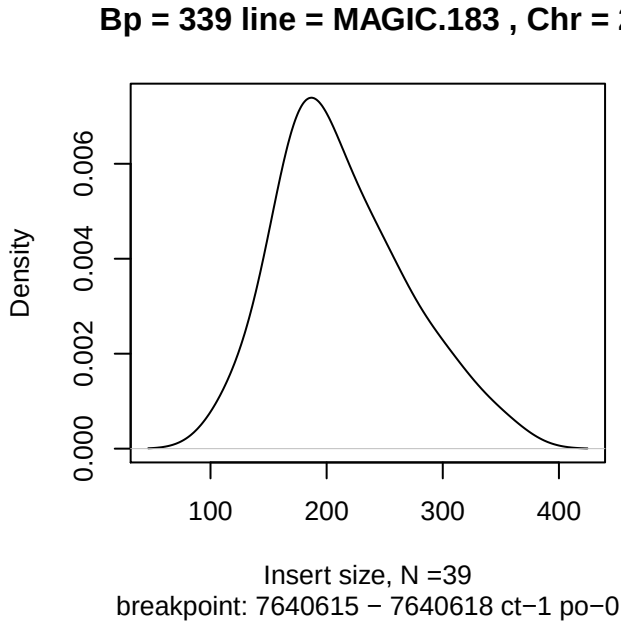

Bp = 334 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =63
breakpoint: 7394417 − 7394429 bur−0 sf−2

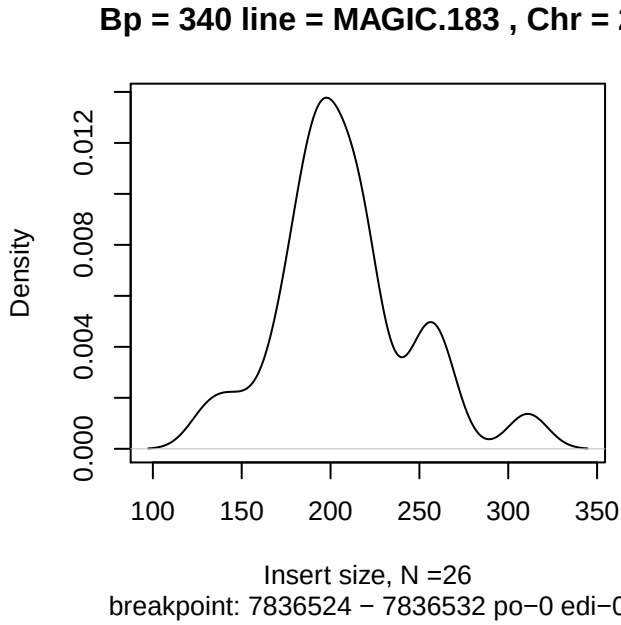

Bp = 335 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =64
breakpoint: 7431367 − 7431625 sf−2 ct−1

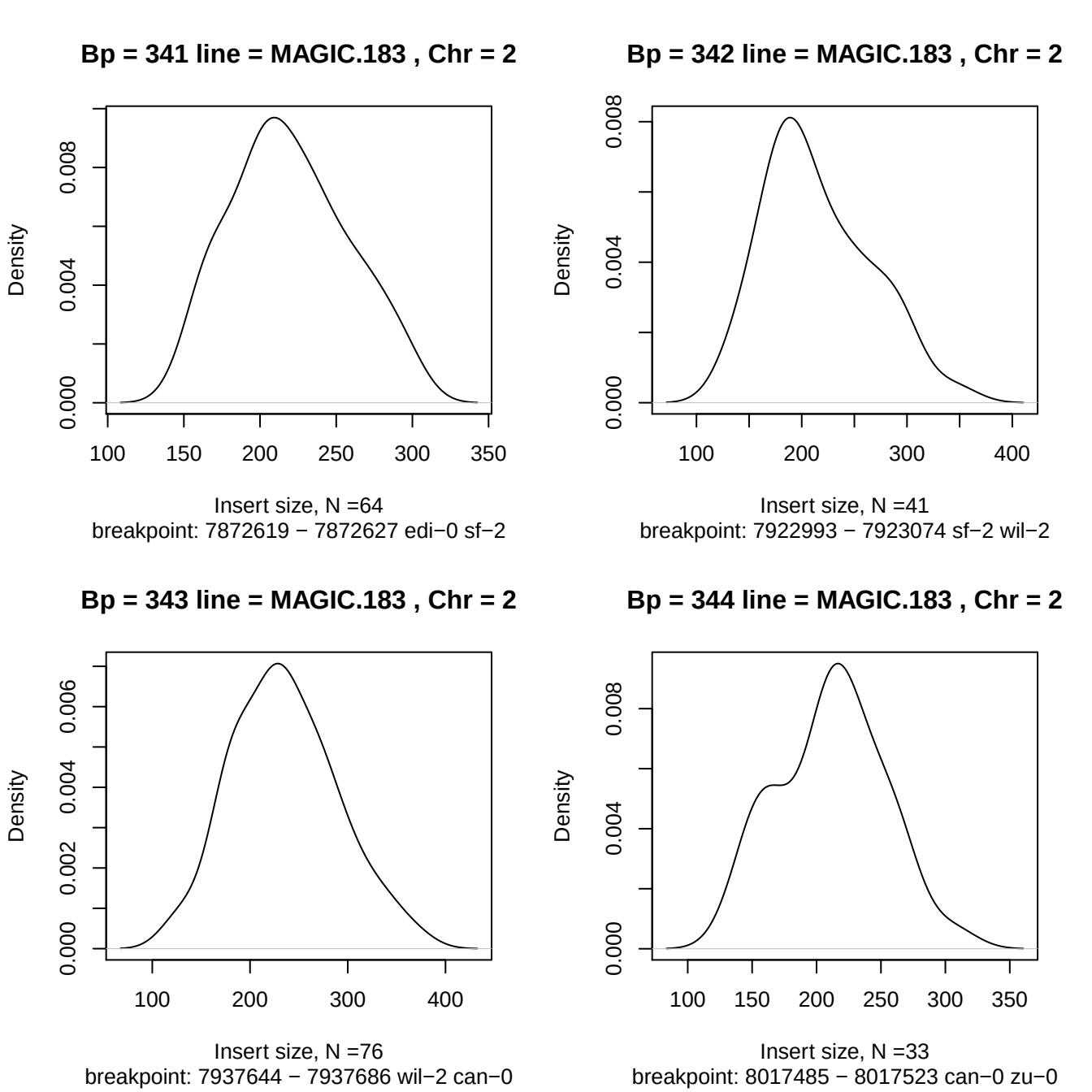

Bp = 336 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =28
breakpoint: 7496708 − 7496738 ct−1 zu−0

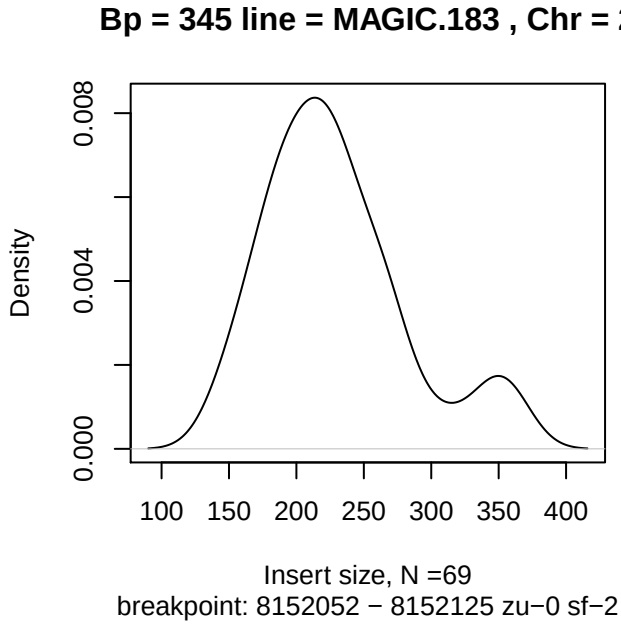

Bp = 337 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
150
200
250
300
Insert size, N =50
breakpoint: 7528577 − 7528608 zu−0 can−0

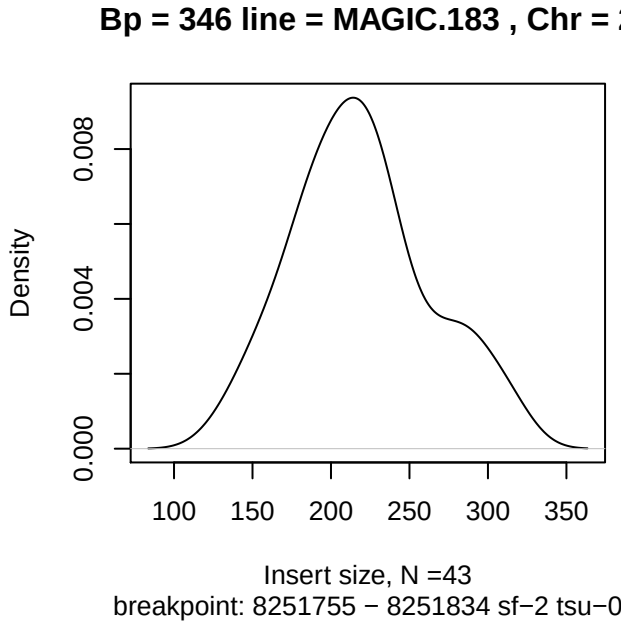

Bp = 338 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =32
breakpoint: 7580058 − 7580064 can−0 ct−1

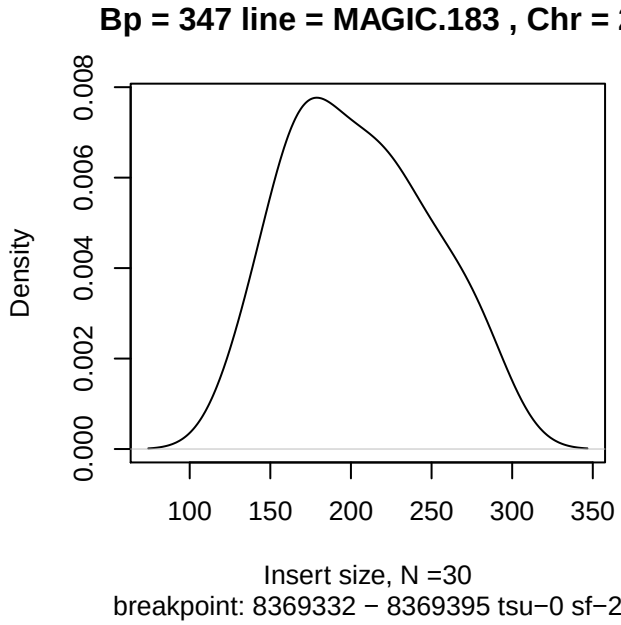

Bp = 339 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =39
breakpoint: 7640615 − 7640618 ct−1 po−0

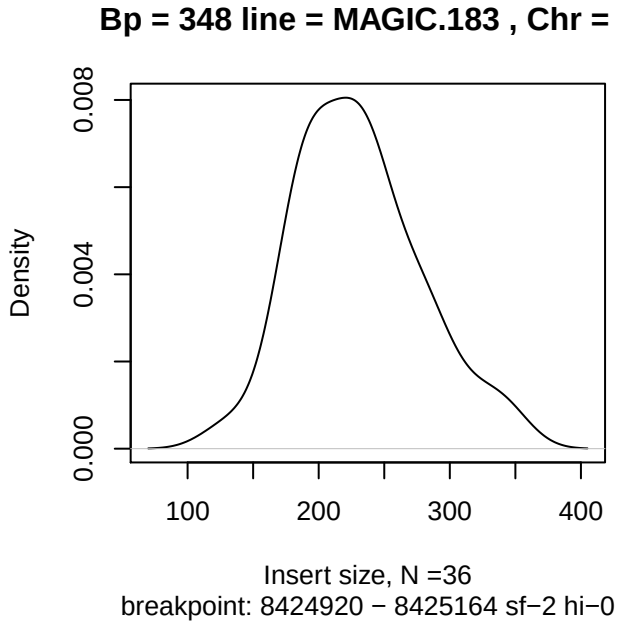

Bp = 340 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =26
breakpoint: 7836524 − 7836532 po−0 edi−0

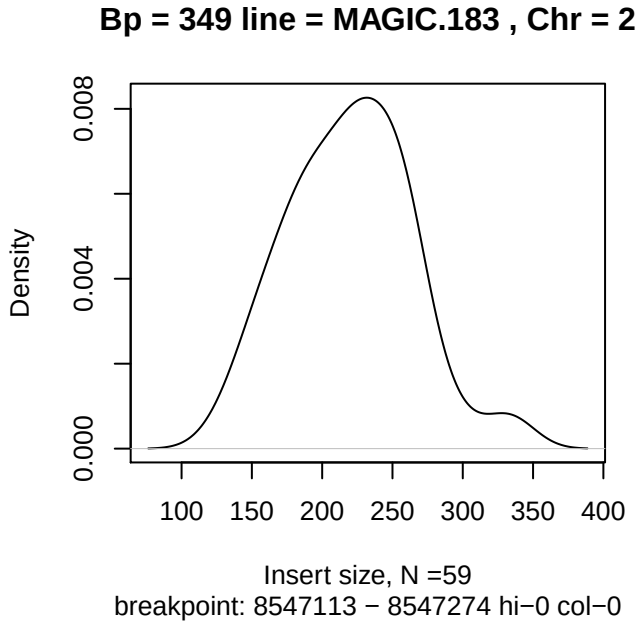

Bp = 341 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =64
breakpoint: 7872619 − 7872627 edi−0 sf−2
Bp = 342 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =41
breakpoint: 7922993 − 7923074 sf−2 wil−2
Bp = 343 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =76
breakpoint: 7937644 − 7937686 wil−2 can−0
Bp = 344 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =33
breakpoint: 8017485 − 8017523 can−0 zu−0

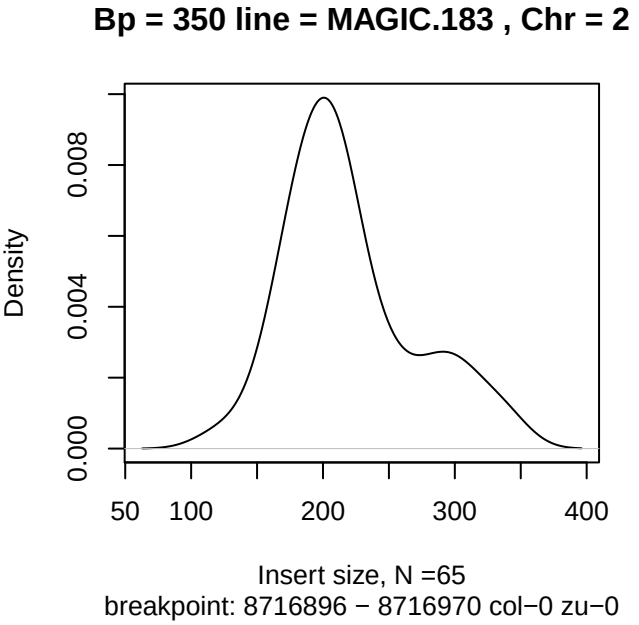

Bp = 345 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =69
breakpoint: 8152052 − 8152125 zu−0 sf−2

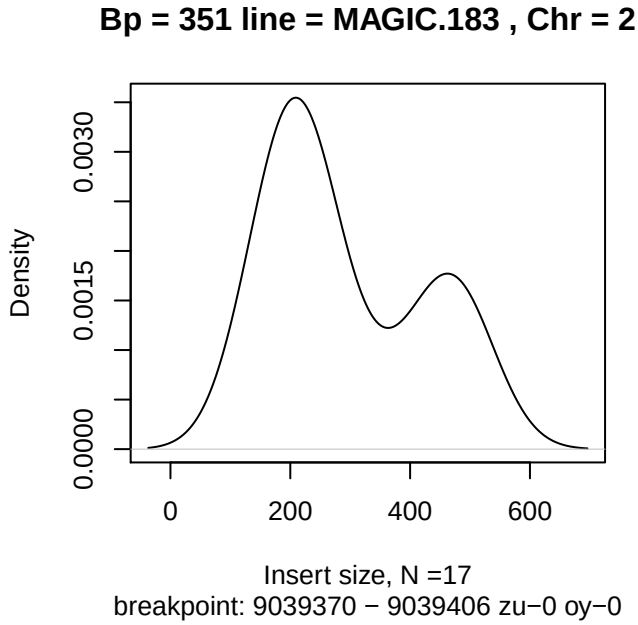

Bp = 346 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =43
breakpoint: 8251755 − 8251834 sf−2 tsu−0

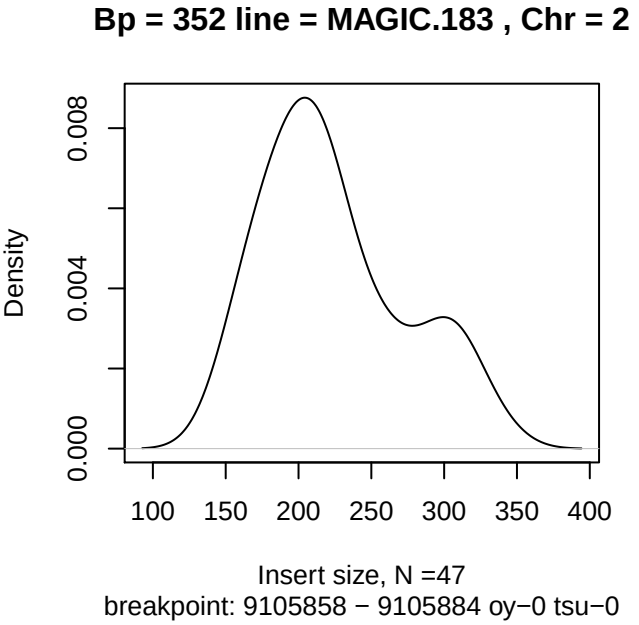

Bp = 347 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
Insert size, N =30
breakpoint: 8369332 − 8369395 tsu−0 sf−2

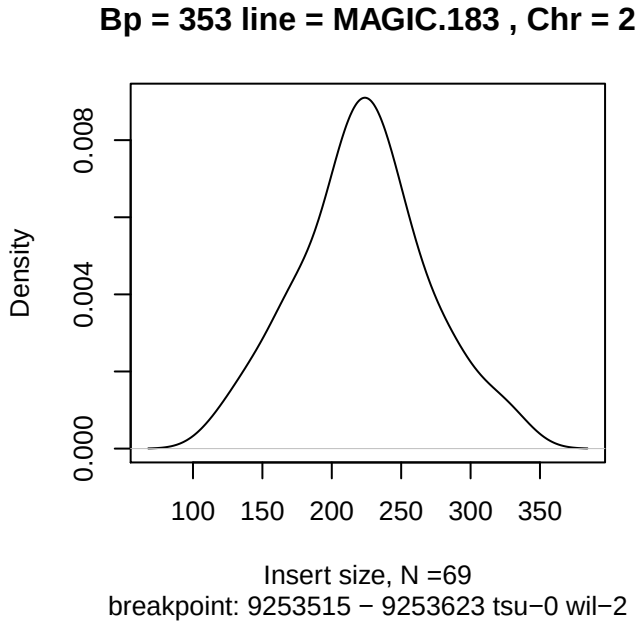

Bp = 348 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =36
breakpoint: 8424920 − 8425164 sf−2 hi−0

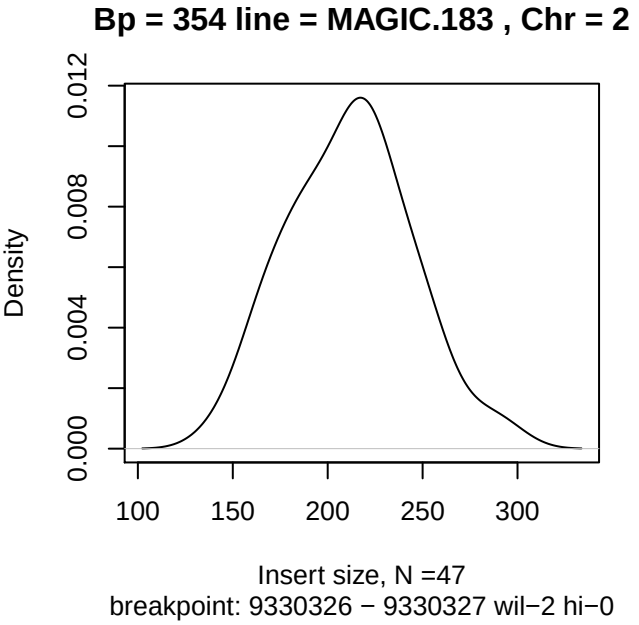

Bp = 349 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =59
breakpoint: 8547113 − 8547274 hi−0 col−0

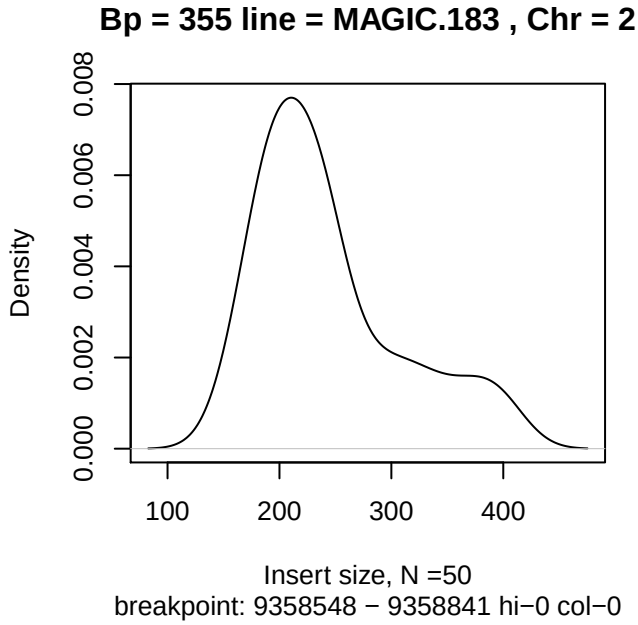

Bp = 350 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =65
breakpoint: 8716896 − 8716970 col−0 zu−0

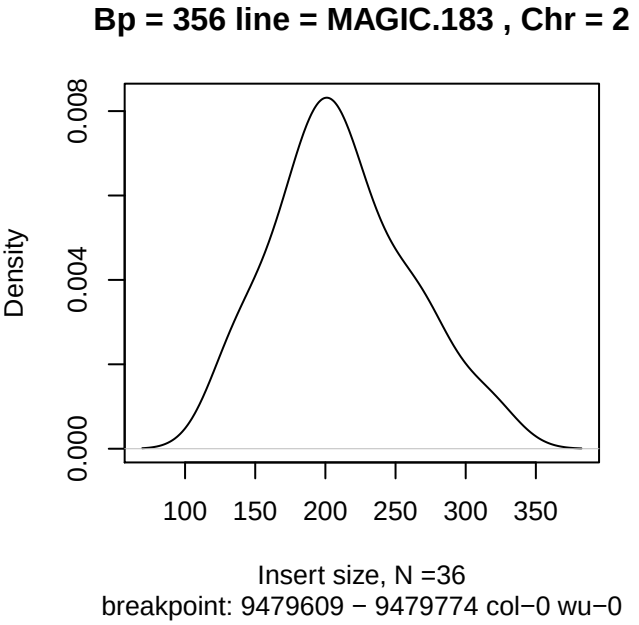

Bp = 351 line = MAGIC.183 , Chr = 2
Density
0.0000
0.0015
0.0030
0
200
400
600
Insert size, N =17
breakpoint: 9039370 − 9039406 zu−0 oy−0

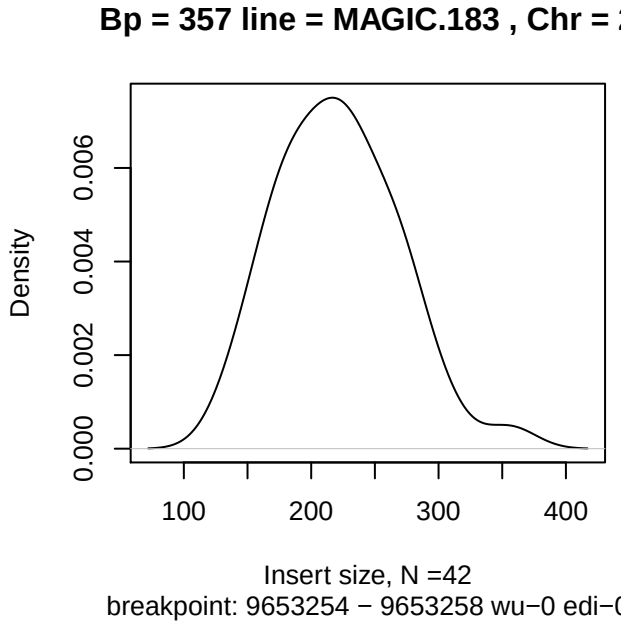

Bp = 352 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =47
breakpoint: 9105858 − 9105884 oy−0 tsu−0

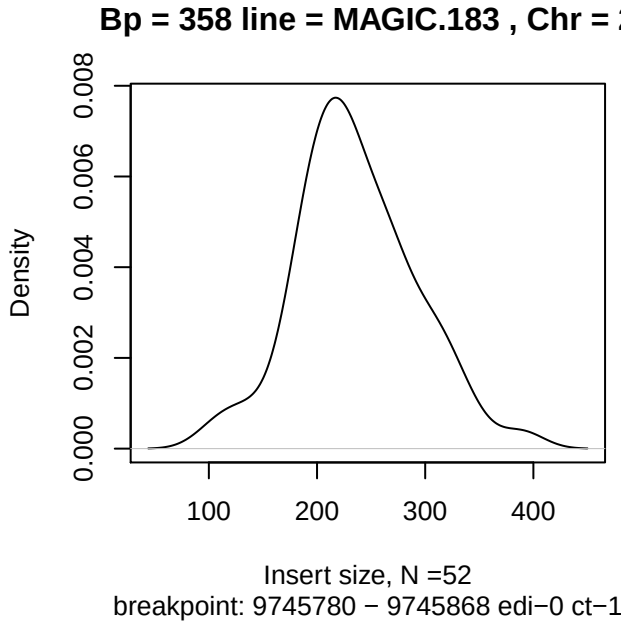

Bp = 353 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =69
breakpoint: 9253515 − 9253623 tsu−0 wil−2

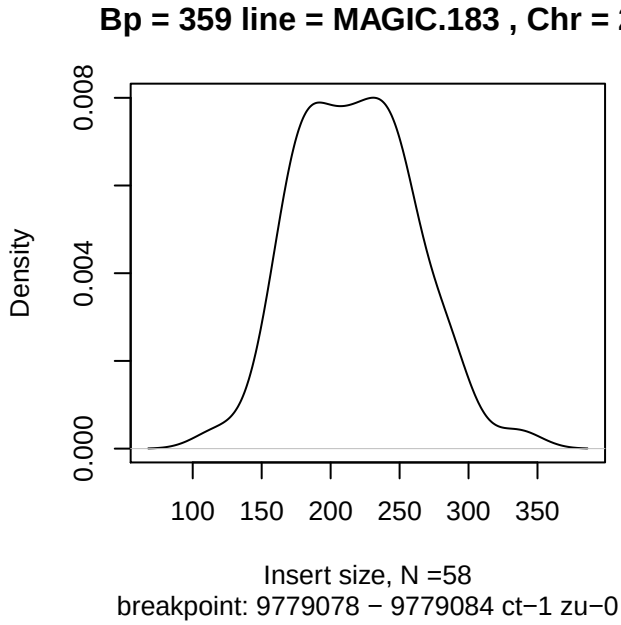

Bp = 354 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =47
breakpoint: 9330326 − 9330327 wil−2 hi−0

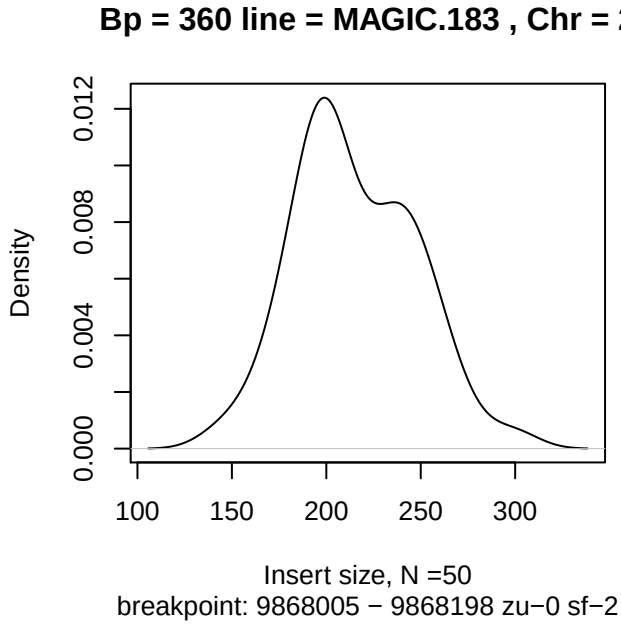

Bp = 355 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =50
breakpoint: 9358548 − 9358841 hi−0 col−0

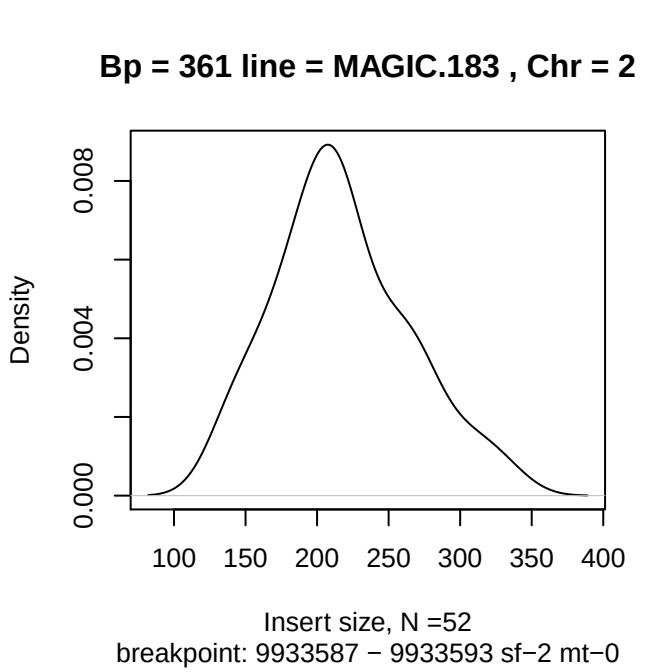

Bp = 356 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =36
breakpoint: 9479609 − 9479774 col−0 wu−0

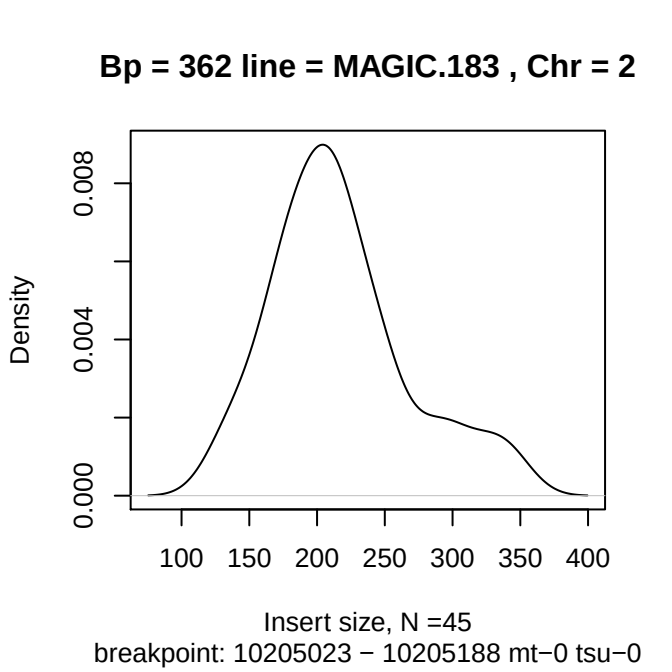

Bp = 357 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =42
breakpoint: 9653254 − 9653258 wu−0 edi−0

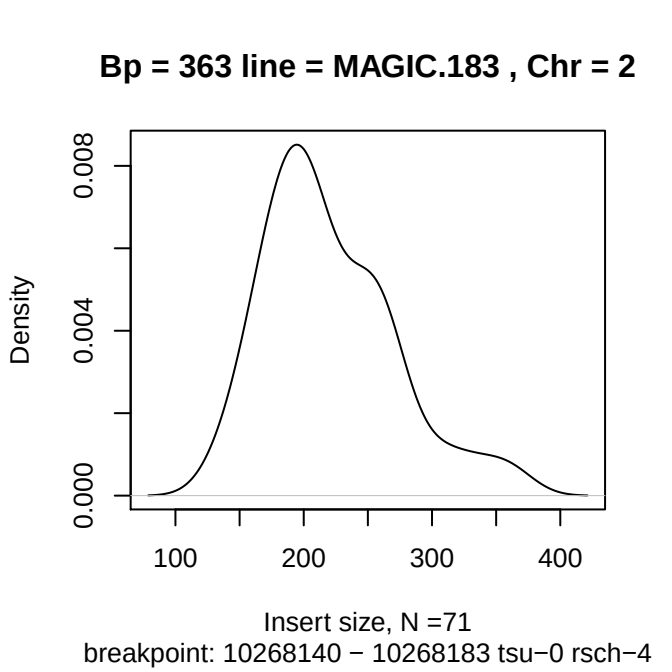

Bp = 358 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =52
breakpoint: 9745780 − 9745868 edi−0 ct−1

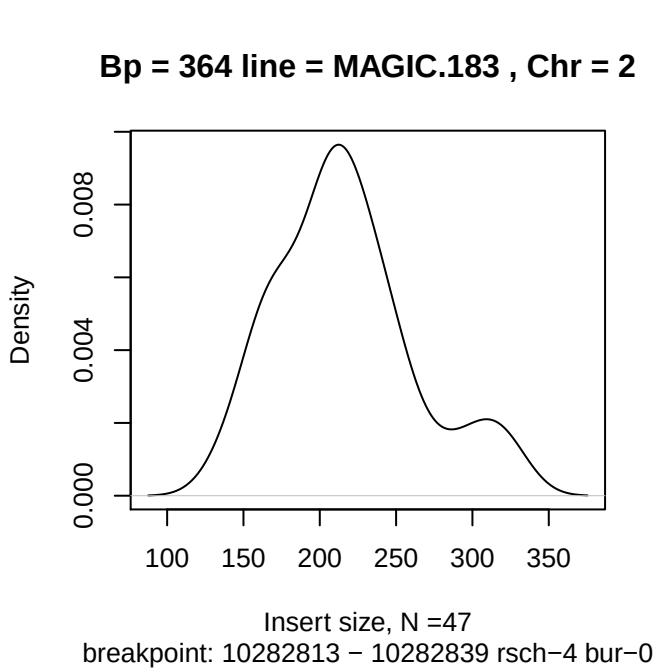

Bp = 359 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =58
breakpoint: 9779078 − 9779084 ct−1 zu−0

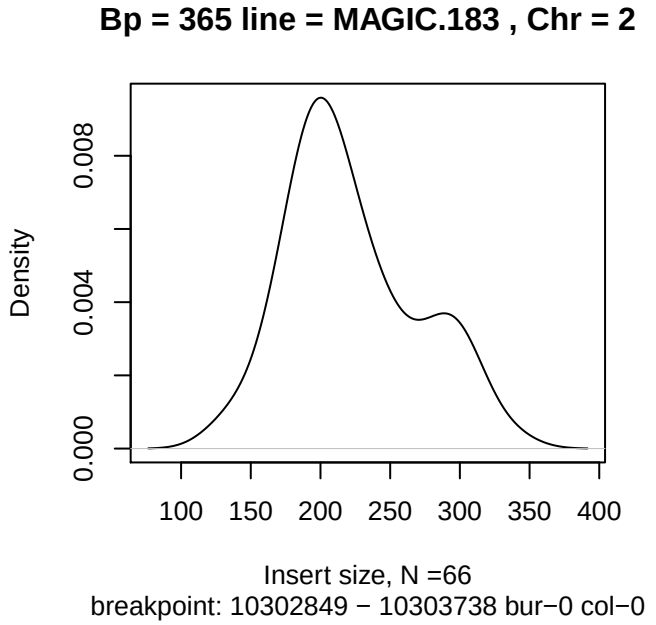

Bp = 360 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =50
breakpoint: 9868005 − 9868198 zu−0 sf−2

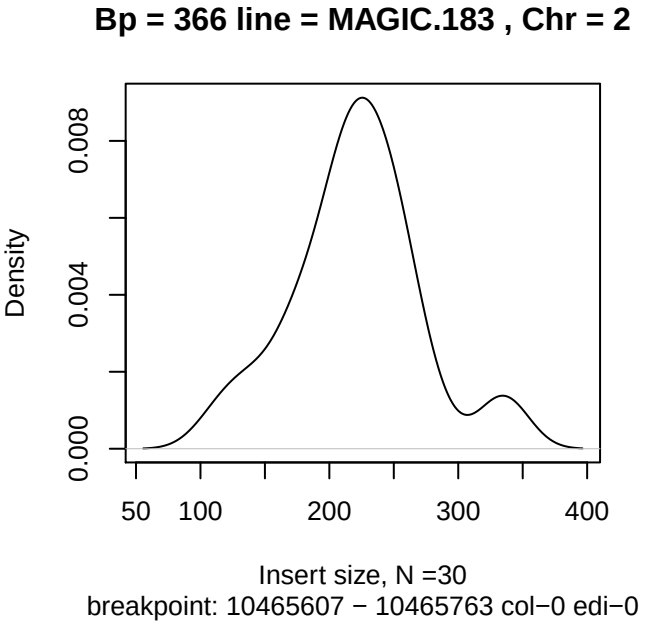

Bp = 361 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =52
breakpoint: 9933587 − 9933593 sf−2 mt−0

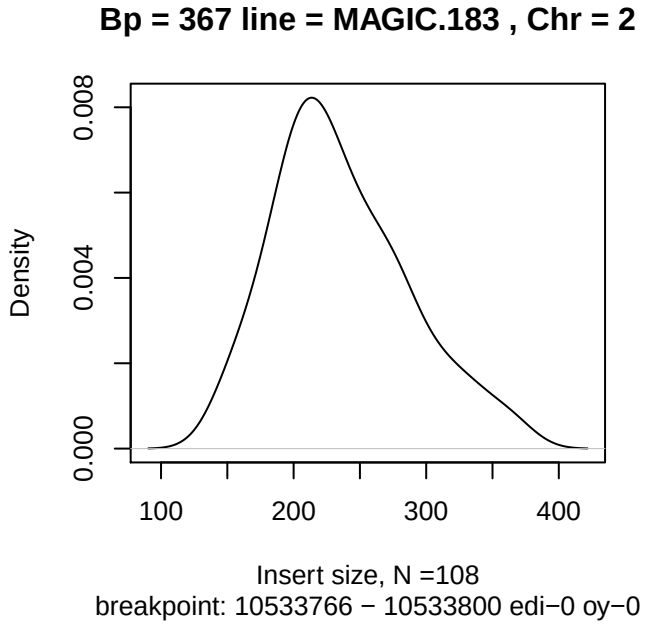

Bp = 362 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =45
breakpoint: 10205023 − 10205188 mt−0 tsu−0

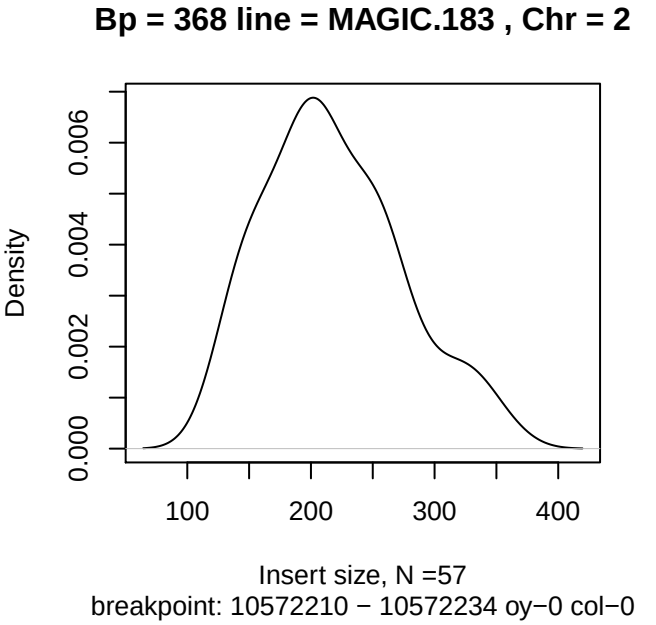

Bp = 363 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =71
breakpoint: 10268140 − 10268183 tsu−0 rsch−4

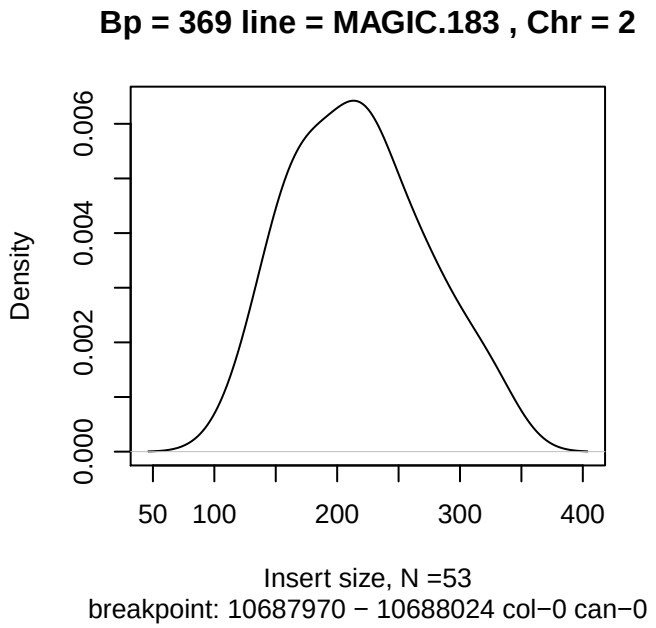

Bp = 364 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =47
breakpoint: 10282813 − 10282839 rsch−4 bur−0

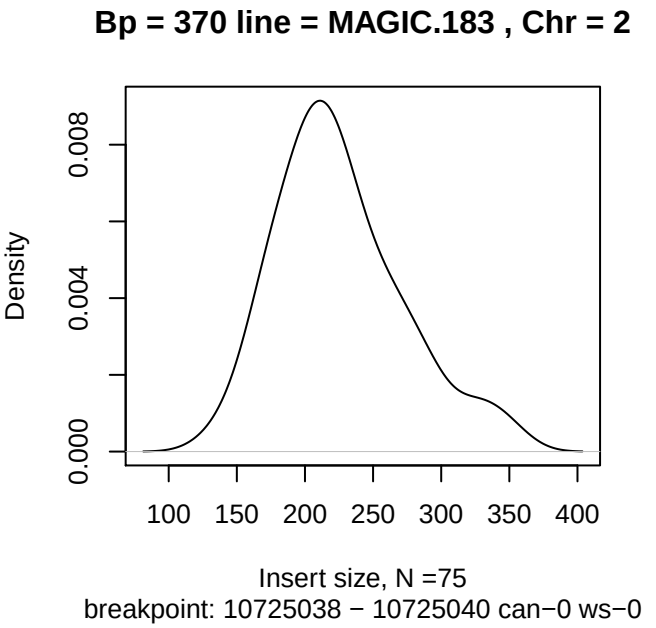

Bp = 365 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =66
breakpoint: 10302849 − 10303738 bur−0 col−0

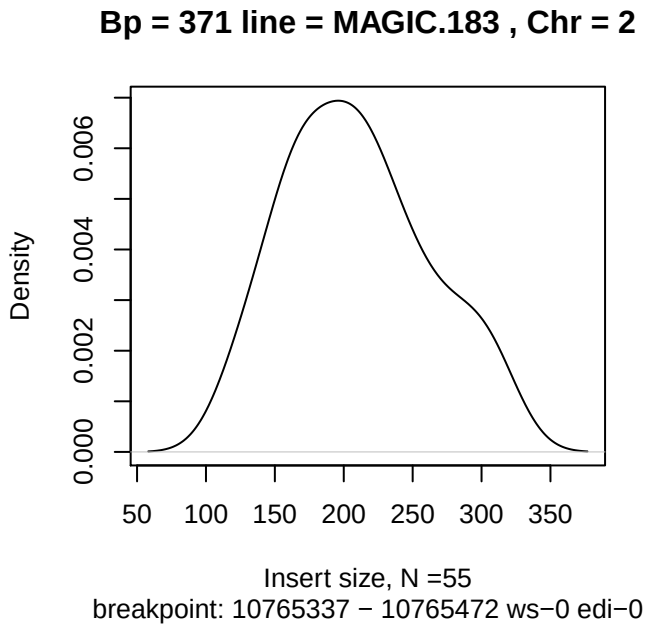

Bp = 366 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =30
breakpoint: 10465607 − 10465763 col−0 edi−0

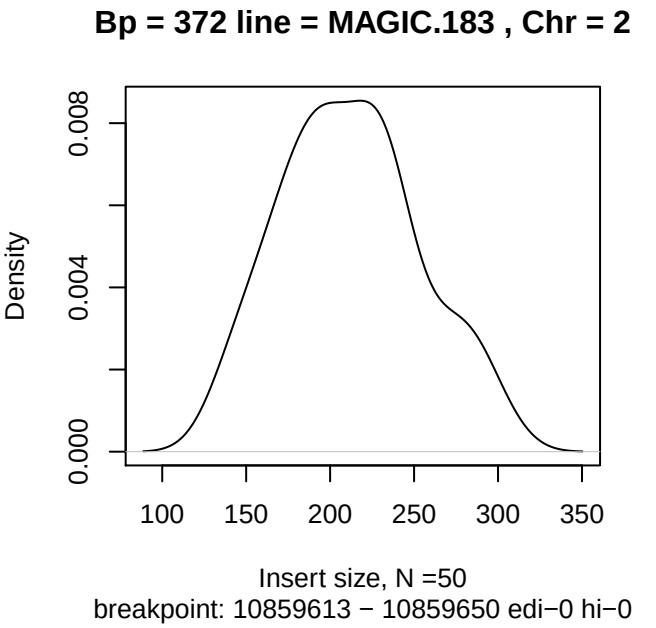

Bp = 367 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =108
breakpoint: 10533766 − 10533800 edi−0 oy−0

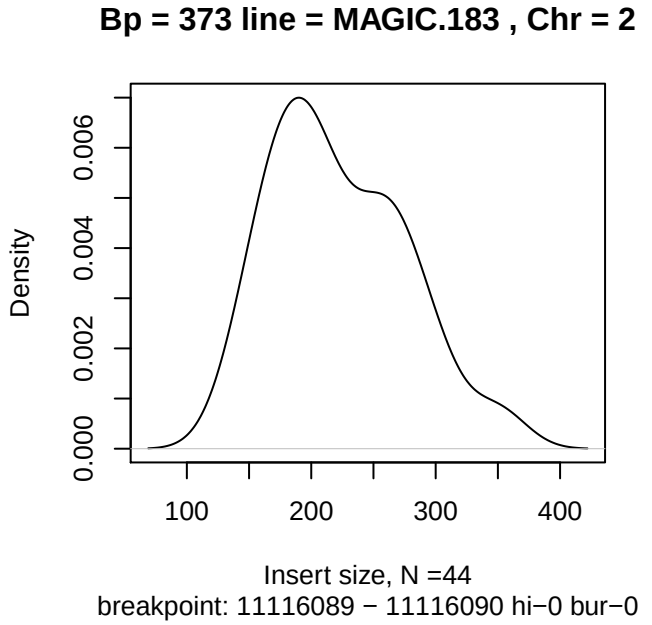

Bp = 368 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =57
breakpoint: 10572210 − 10572234 oy−0 col−0

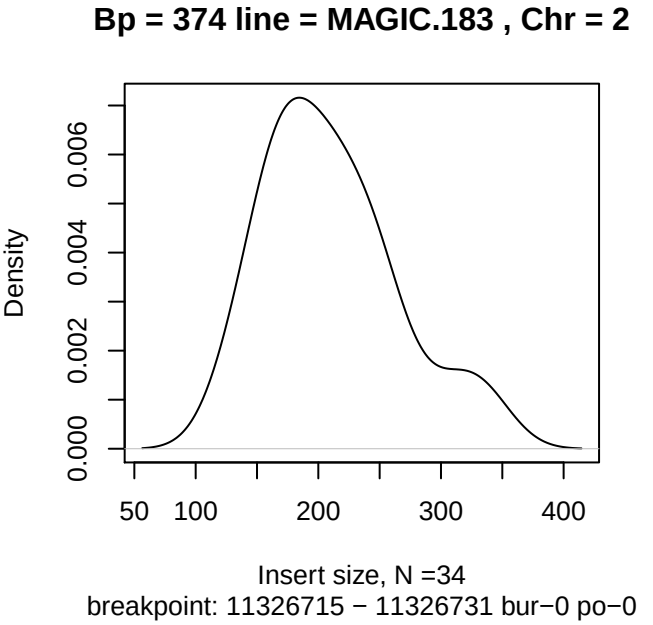

Bp = 369 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =53
breakpoint: 10687970 − 10688024 col−0 can−0

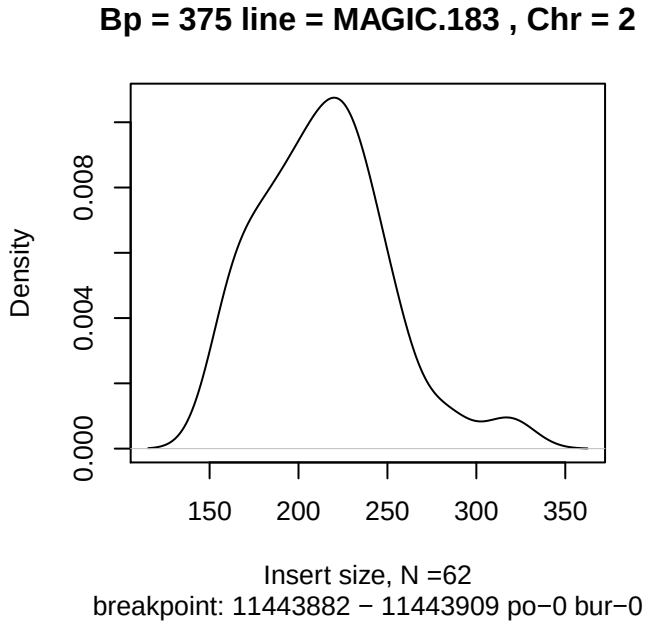

Bp = 370 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =75
breakpoint: 10725038 − 10725040 can−0 ws−0

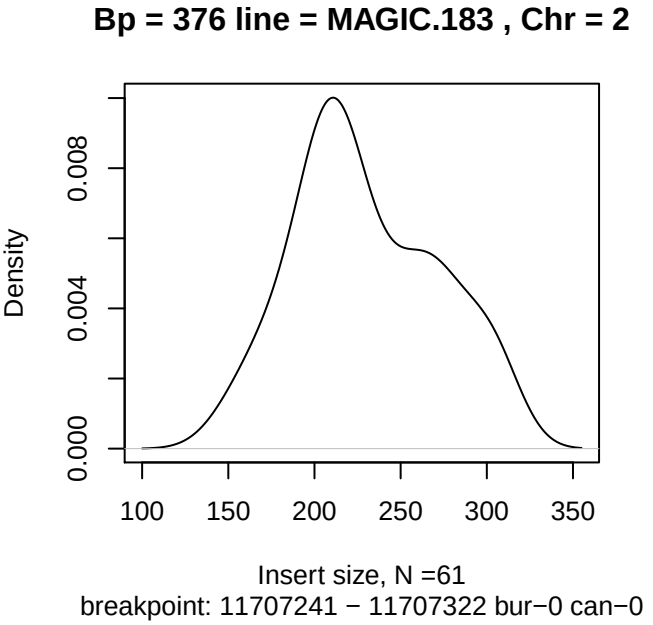

Bp = 371 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
50
100
150
200
250
300
350
Insert size, N =55
breakpoint: 10765337 − 10765472 ws−0 edi−0

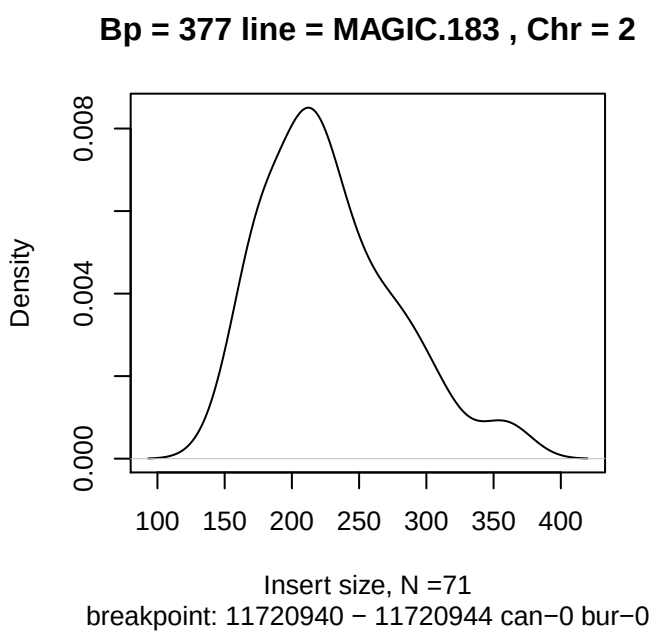

Bp = 372 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =50
breakpoint: 10859613 − 10859650 edi−0 hi−0

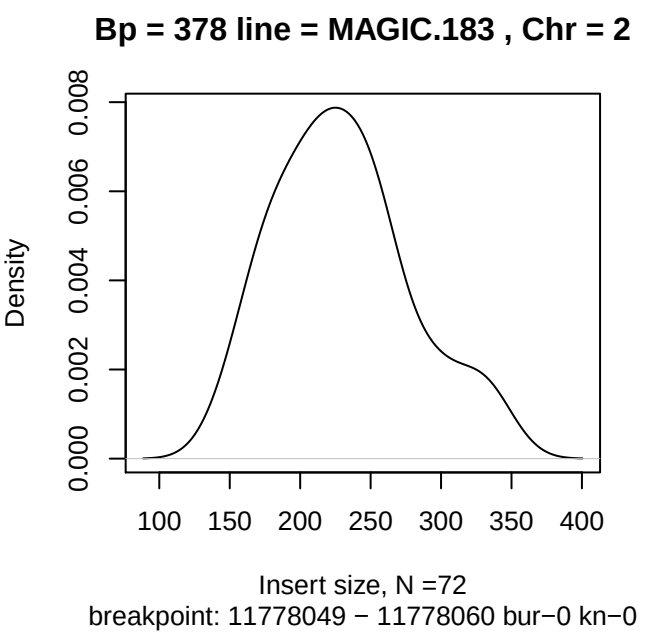

Bp = 373 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =44
breakpoint: 11116089 − 11116090 hi−0 bur−0

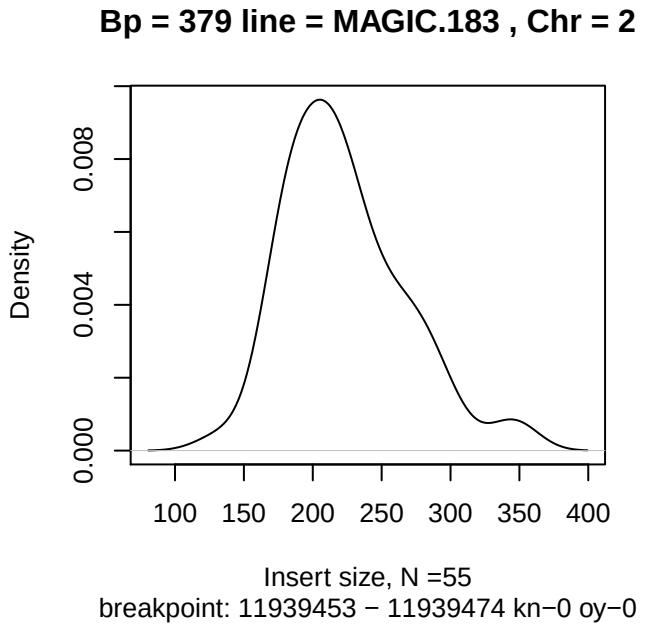

Bp = 374 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =34
breakpoint: 11326715 − 11326731 bur−0 po−0

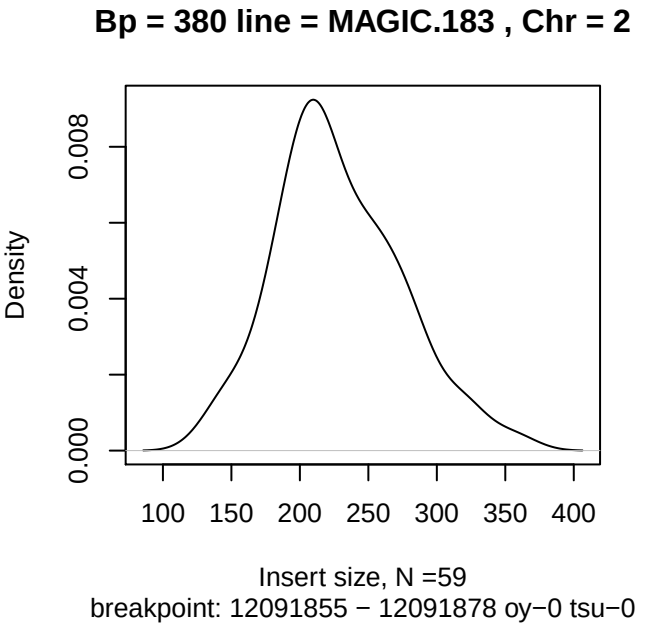

Bp = 375 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =62
breakpoint: 11443882 − 11443909 po−0 bur−0

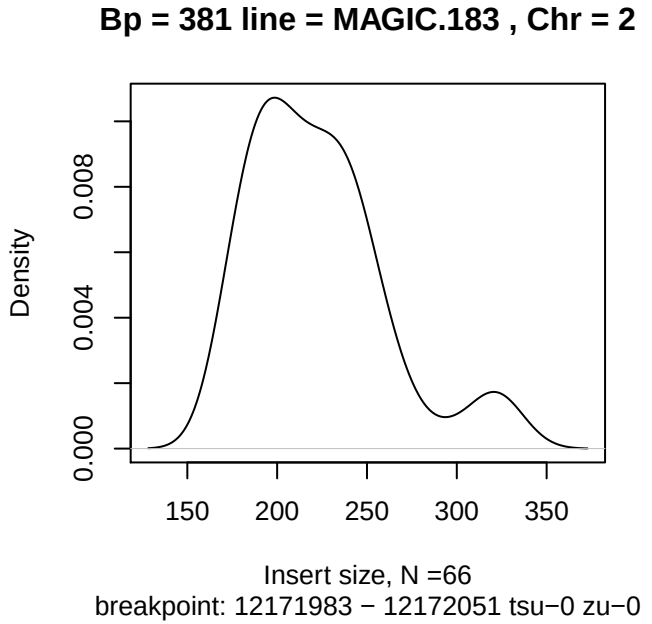

Bp = 376 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =61
breakpoint: 11707241 − 11707322 bur−0 can−0

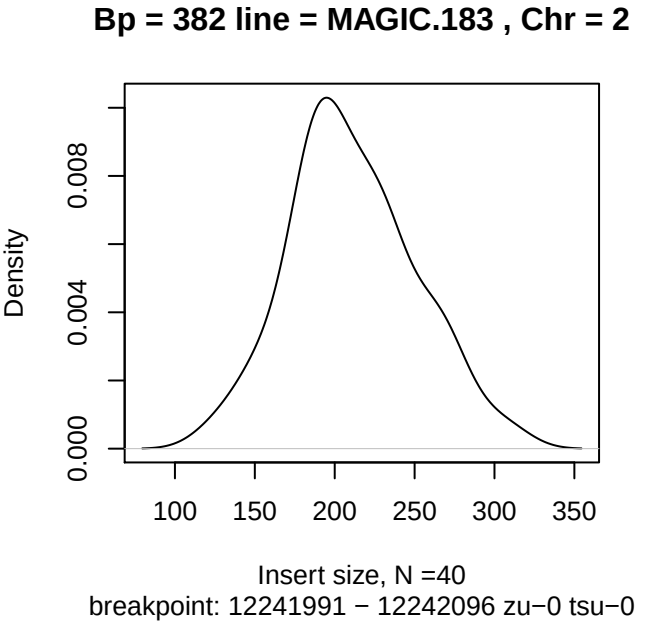

Bp = 377 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =71
breakpoint: 11720940 − 11720944 can−0 bur−0

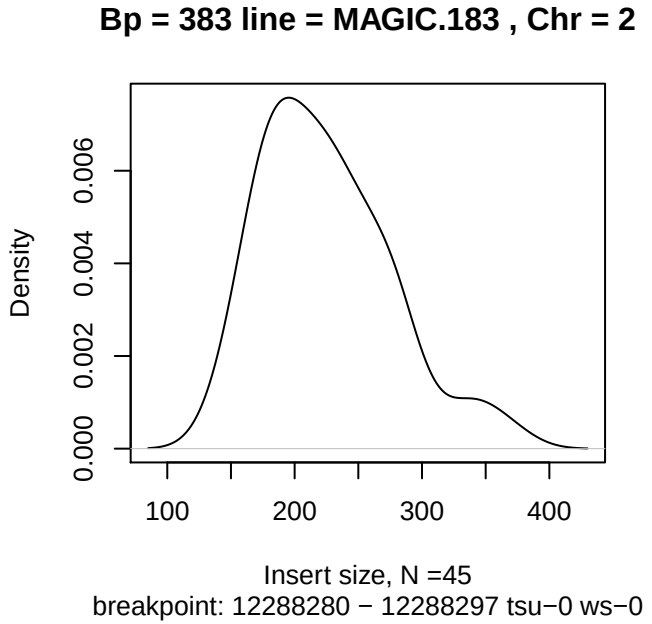

Bp = 378 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =72
breakpoint: 11778049 − 11778060 bur−0 kn−0

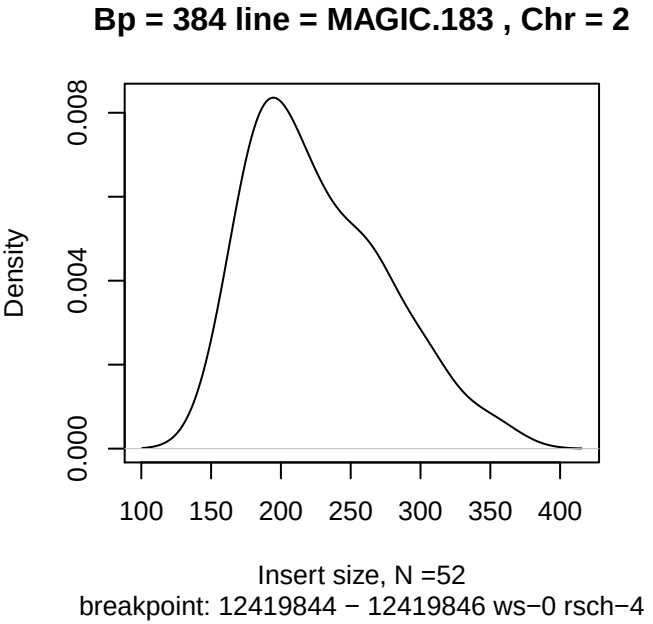

Bp = 379 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =55
breakpoint: 11939453 − 11939474 kn−0 oy−0

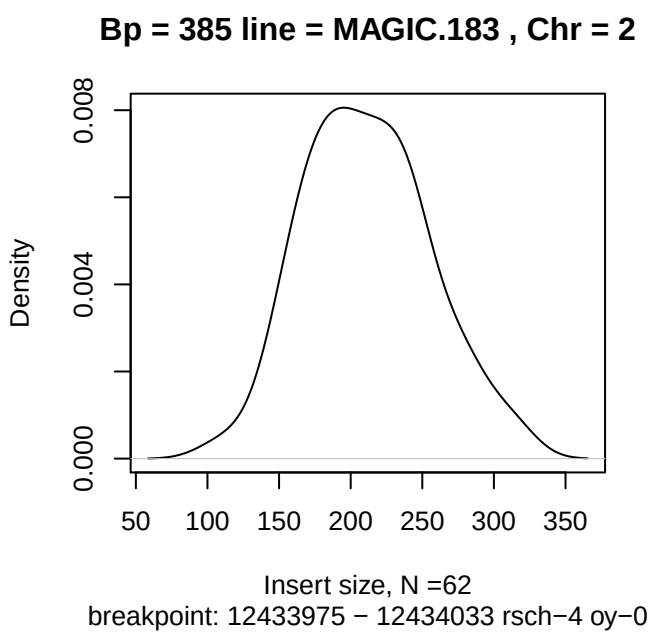

Bp = 380 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =59
breakpoint: 12091855 − 12091878 oy−0 tsu−0

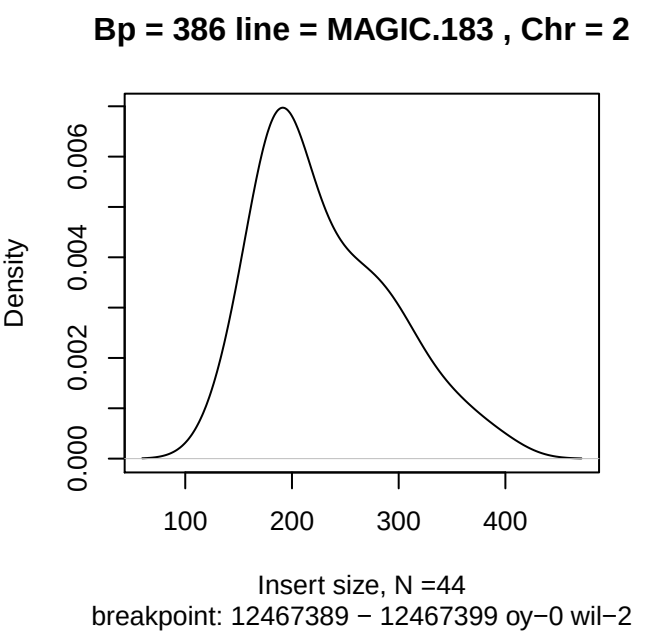

Bp = 381 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =66
breakpoint: 12171983 − 12172051 tsu−0 zu−0

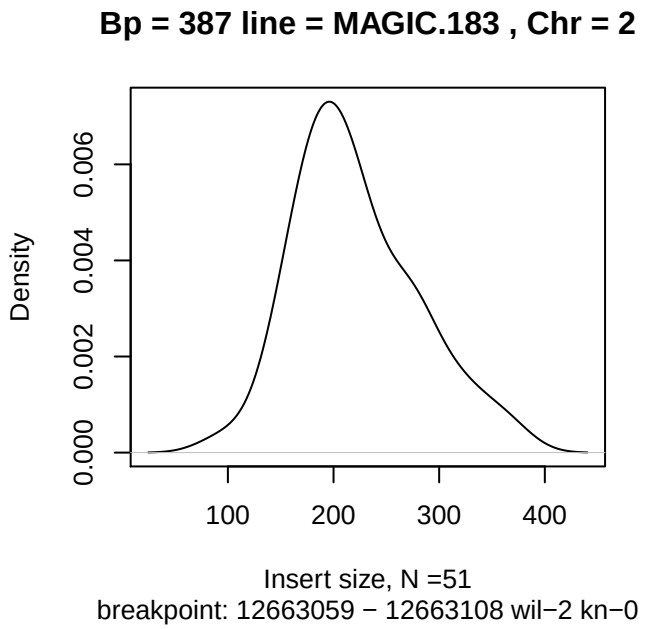

Bp = 382 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =40
breakpoint: 12241991 − 12242096 zu−0 tsu−0

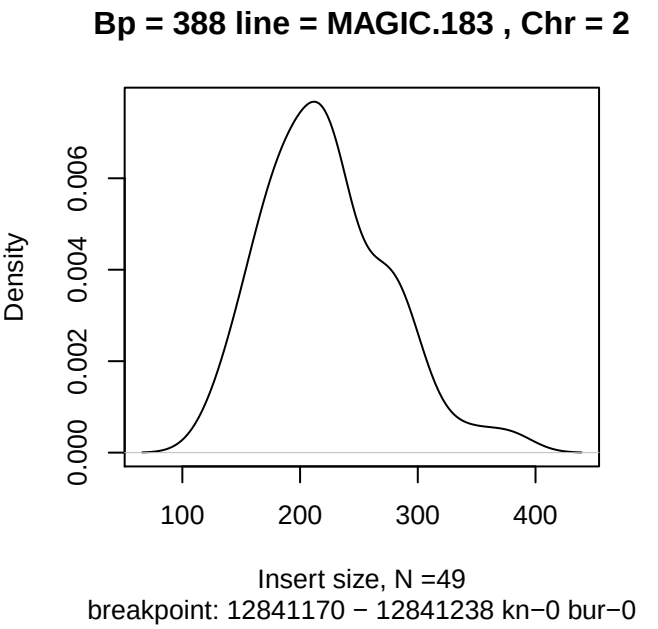

Bp = 383 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =45
breakpoint: 12288280 − 12288297 tsu−0 ws−0

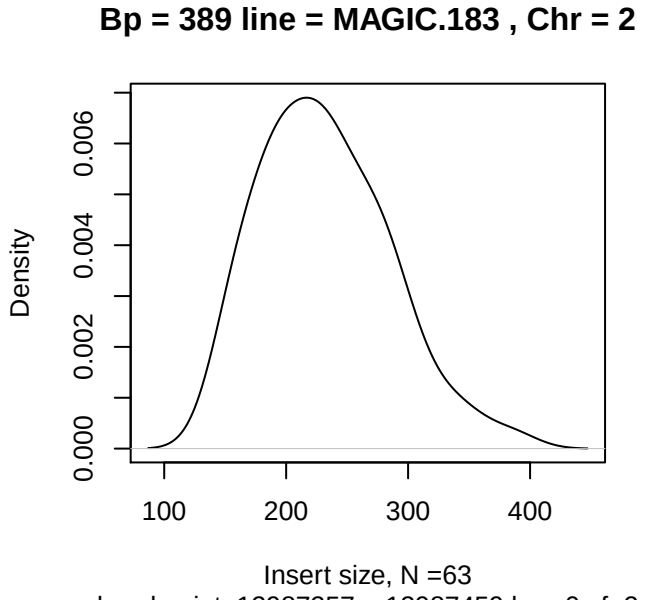

Bp = 384 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =52
breakpoint: 12419844 − 12419846 ws−0 rsch−4

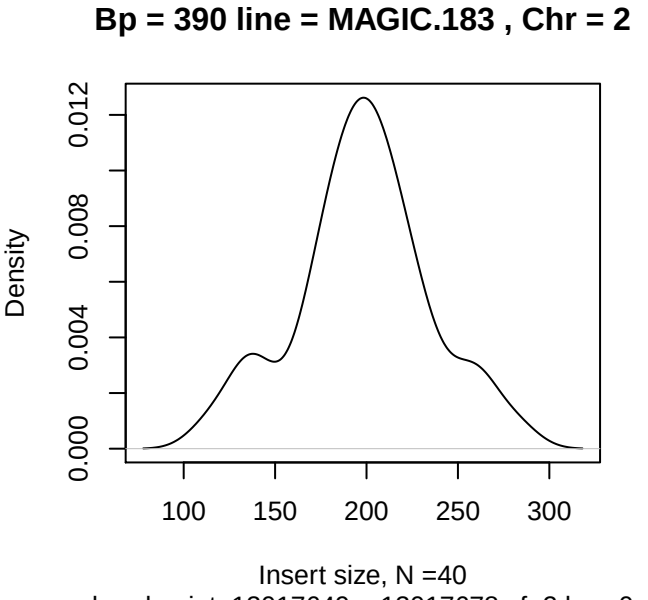

Bp = 385 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =62
breakpoint: 12433975 − 12434033 rsch−4 oy−0

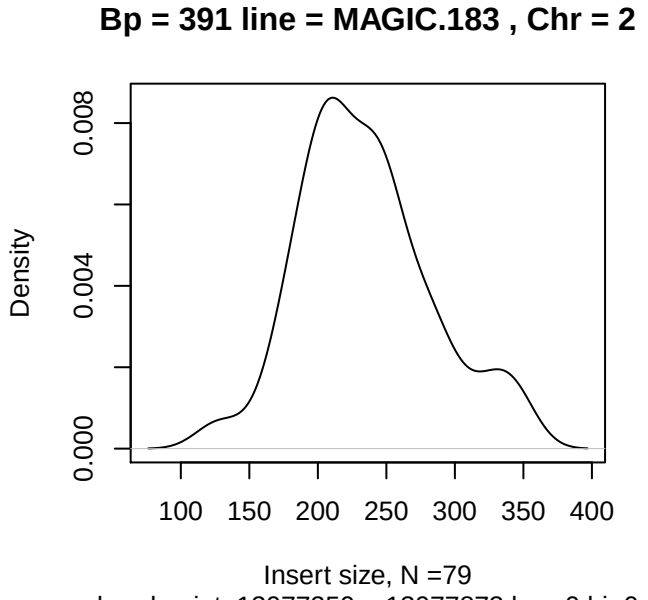

Bp = 386 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =44
breakpoint: 12467389 − 12467399 oy−0 wil−2

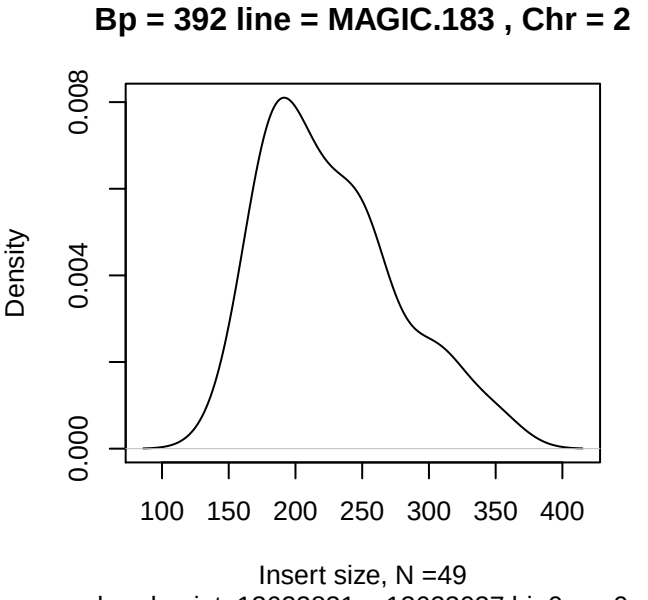

Bp = 387 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =51
breakpoint: 12663059 − 12663108 wil−2 kn−0

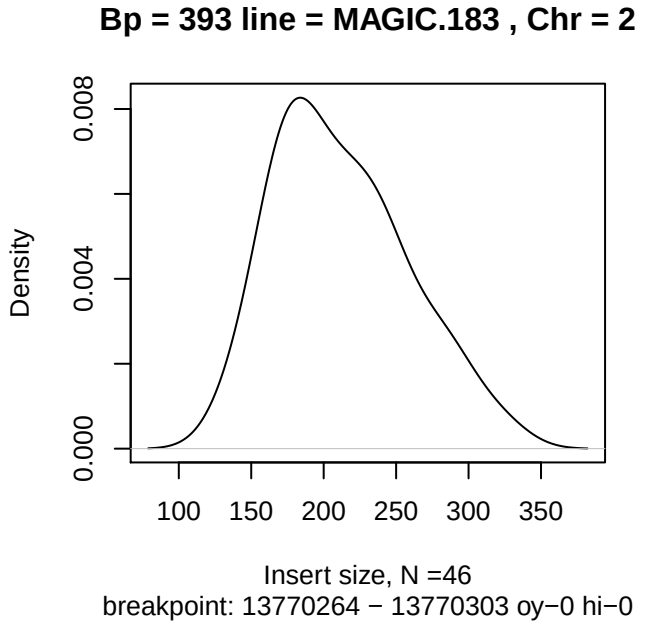

Bp = 388 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =49
breakpoint: 12841170 − 12841238 kn−0 bur−0

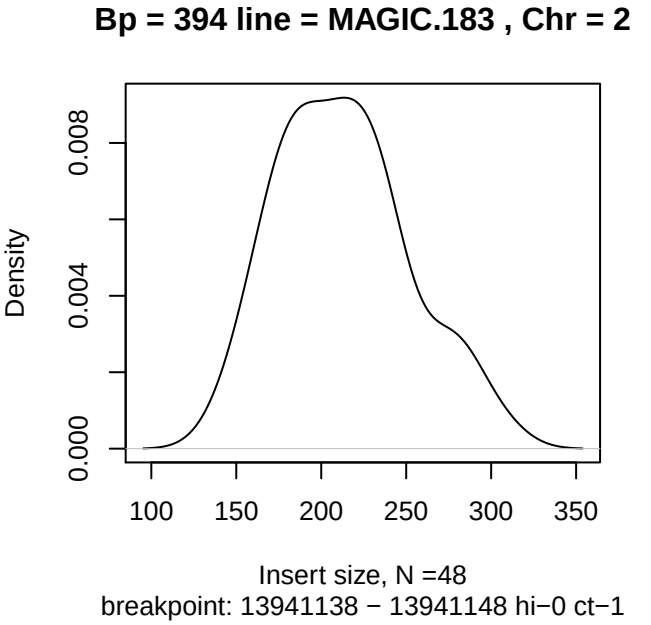

Bp = 389 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =63
breakpoint: 12987257 − 12987459 bur−0 sf−2

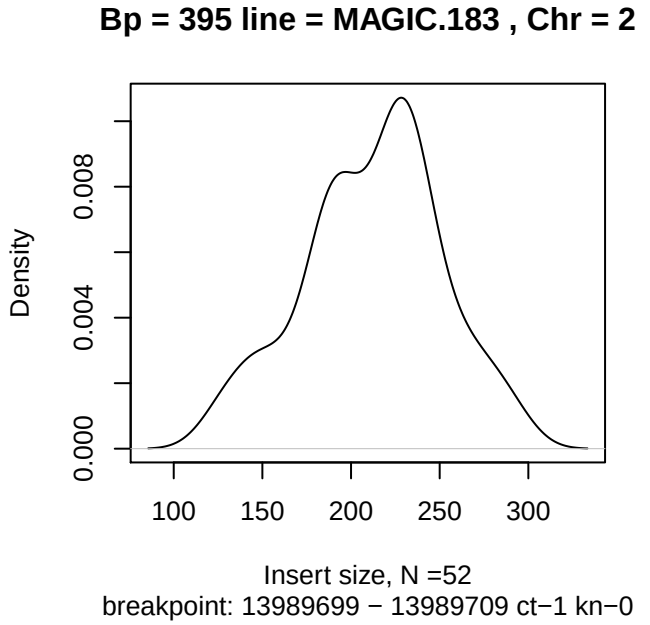

Bp = 390 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =40
breakpoint: 13017649 − 13017678 sf−2 bur−0

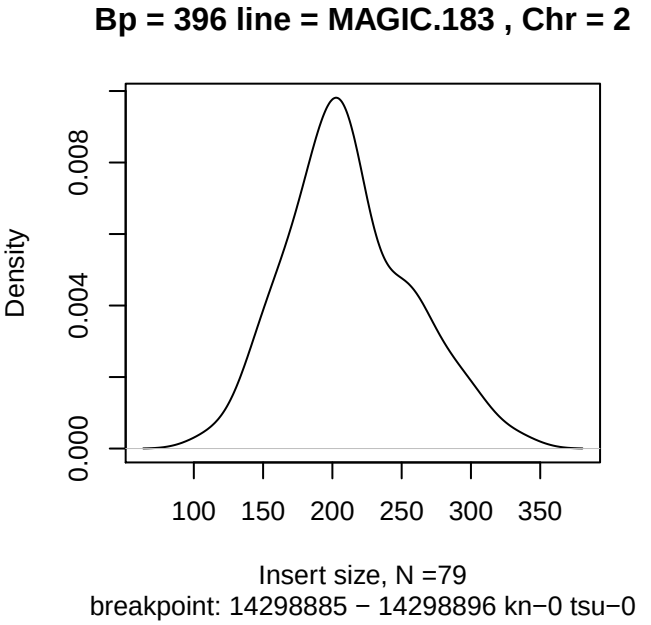

Bp = 391 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =79
breakpoint: 13077250 − 13077873 bur−0 hi−0

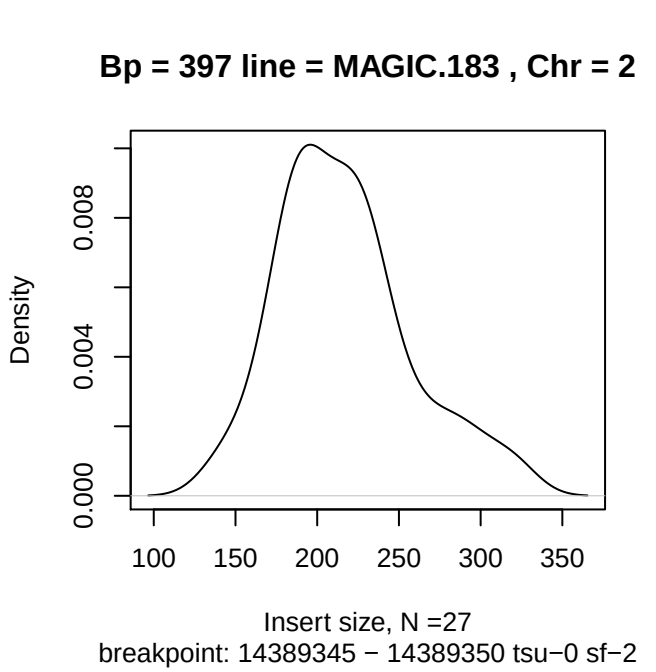

Bp = 392 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =49
breakpoint: 13622831 − 13623037 hi−0 oy−0

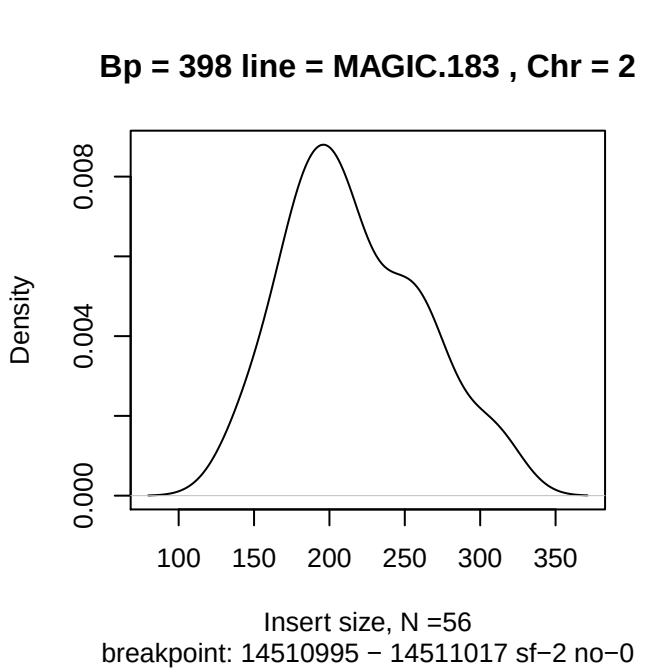

Bp = 393 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =46
breakpoint: 13770264 − 13770303 oy−0 hi−0

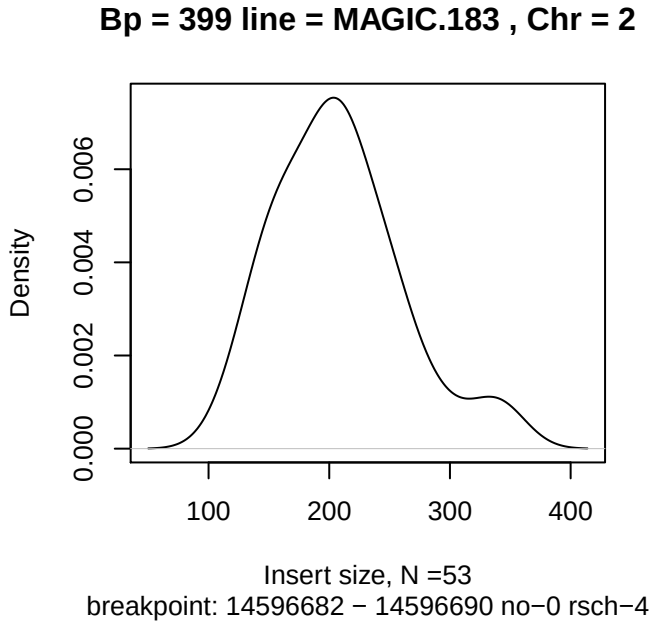

Bp = 394 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 13941138 − 13941148 hi−0 ct−1

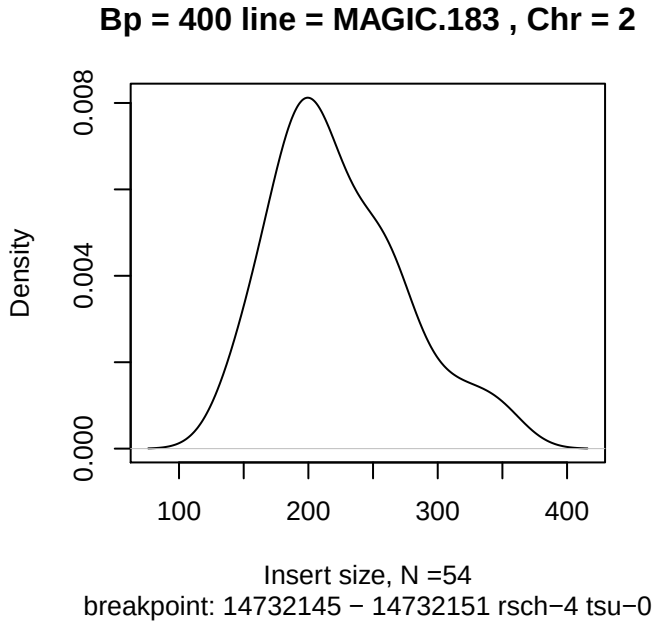

Bp = 395 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =52
breakpoint: 13989699 − 13989709 ct−1 kn−0

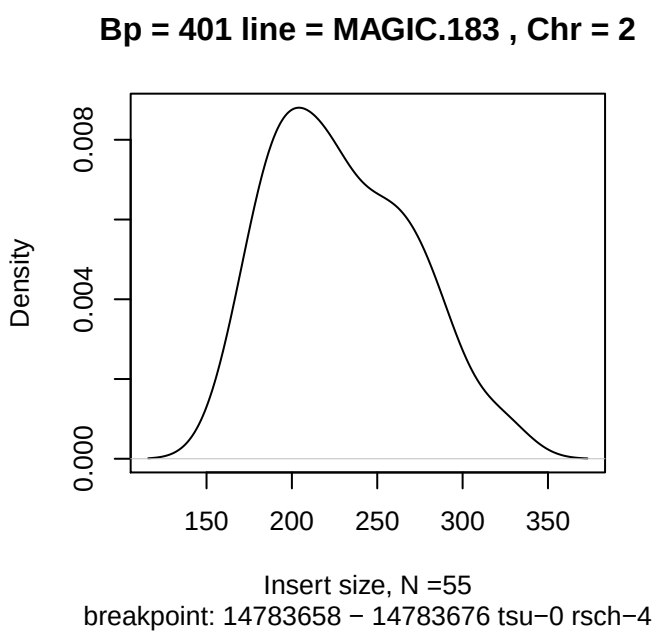

Bp = 396 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =79
breakpoint: 14298885 − 14298896 kn−0 tsu−0

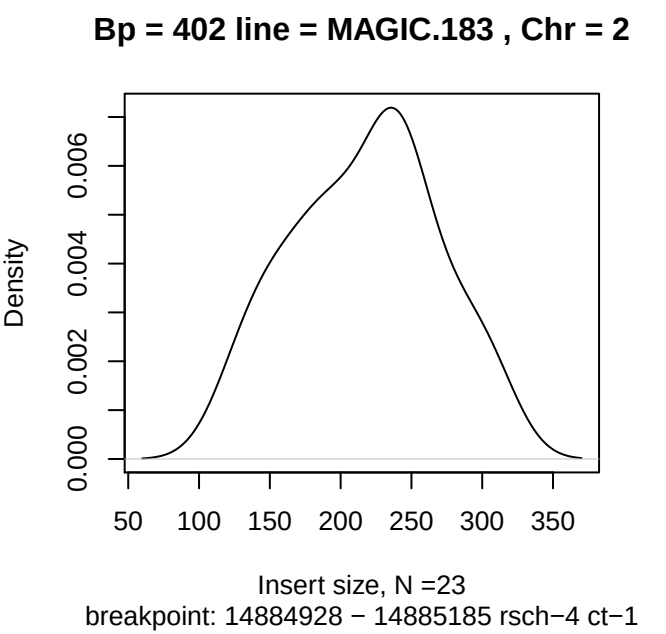

Bp = 397 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =27
breakpoint: 14389345 − 14389350 tsu−0 sf−2

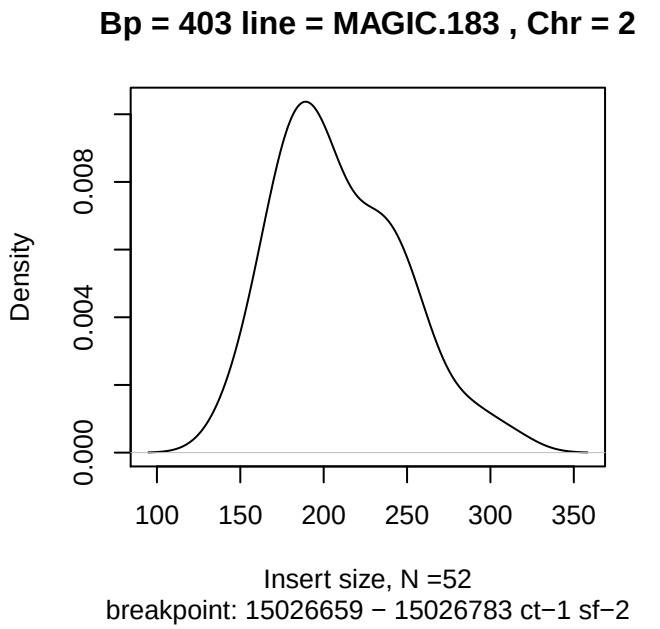

Bp = 398 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =56
breakpoint: 14510995 − 14511017 sf−2 no−0

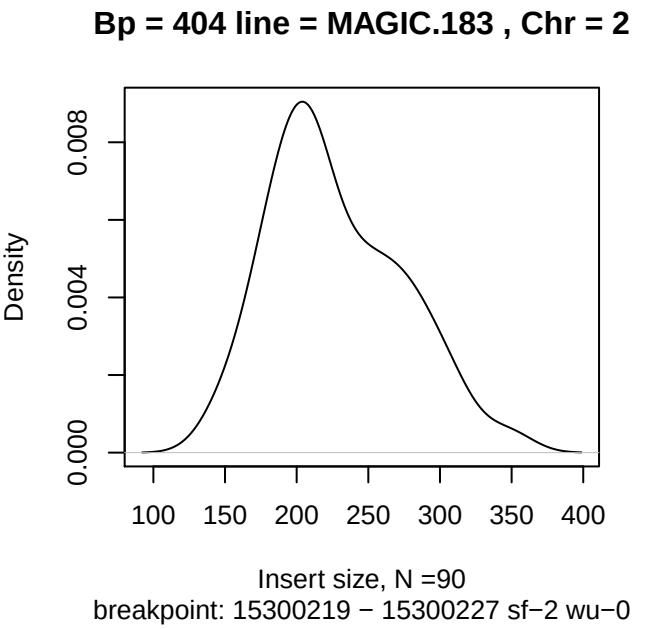

Bp = 399 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =53
breakpoint: 14596682 − 14596690 no−0 rsch−4

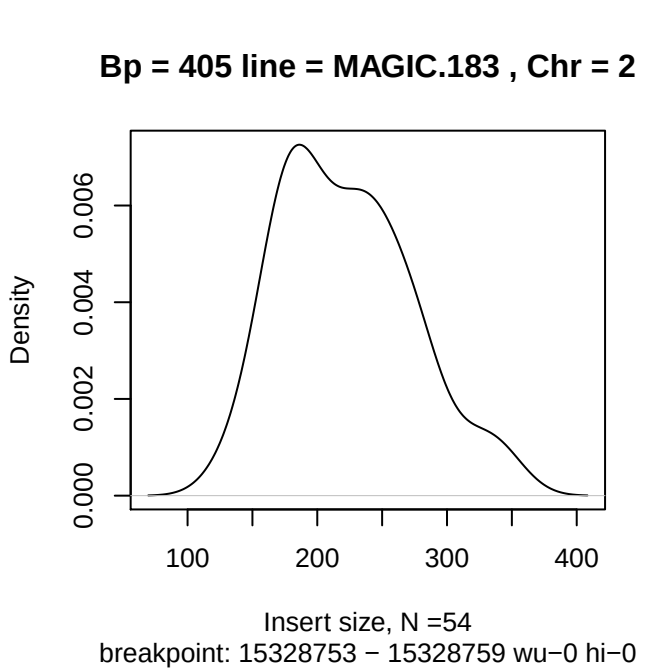

Bp = 400 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =54
breakpoint: 14732145 − 14732151 rsch−4 tsu−0

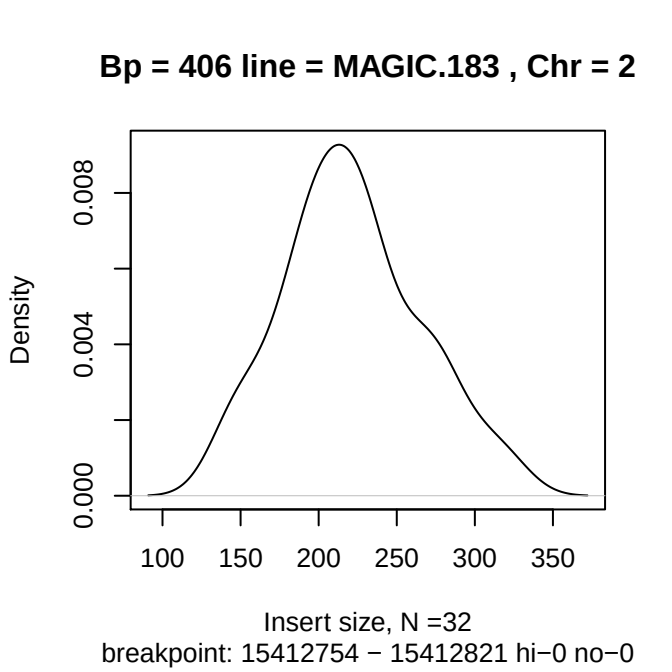

Bp = 401 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =55
breakpoint: 14783658 − 14783676 tsu−0 rsch−4

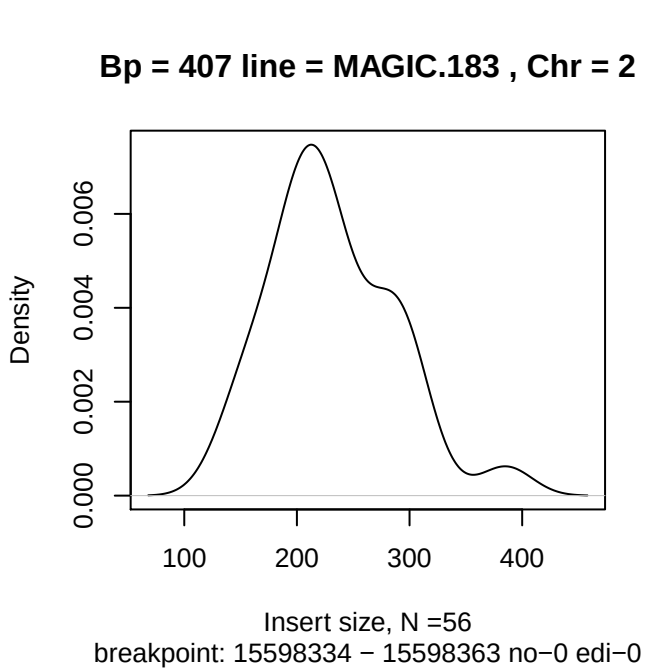

Bp = 402 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
50
100
150
200
250
300
350
Insert size, N =23
breakpoint: 14884928 − 14885185 rsch−4 ct−1

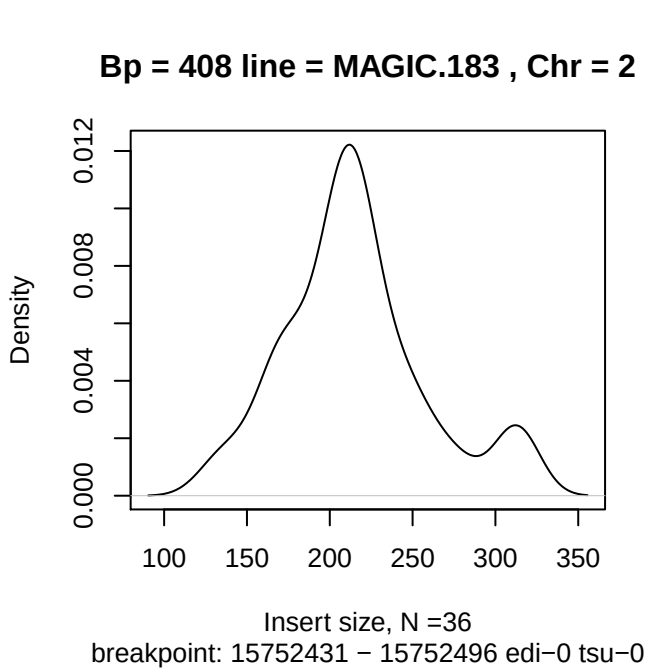

Bp = 403 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =52
breakpoint: 15026659 − 15026783 ct−1 sf−2

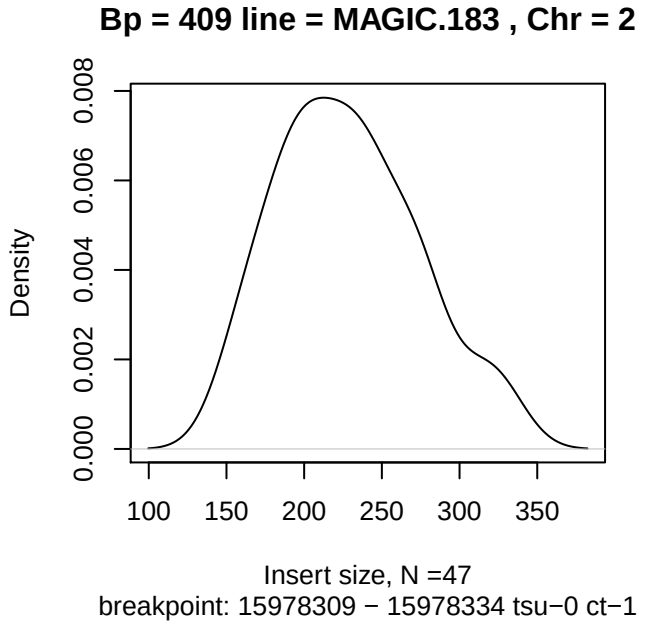

Bp = 404 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =90
breakpoint: 15300219 − 15300227 sf−2 wu−0

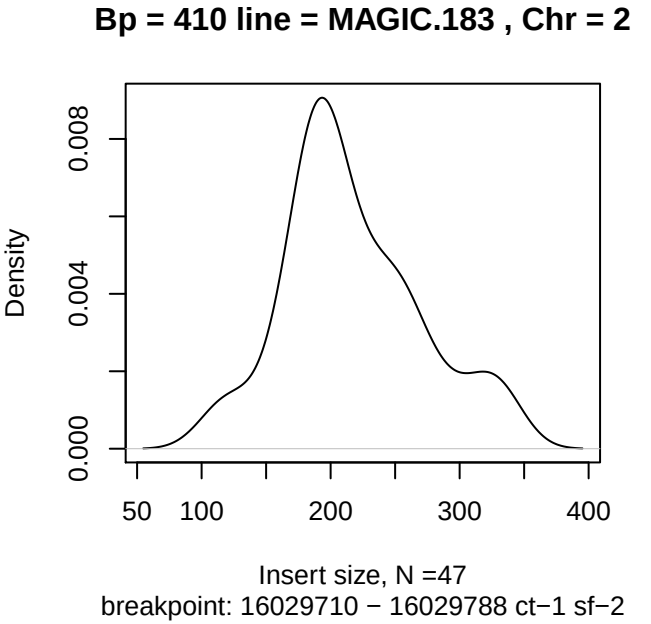

Bp = 405 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =54
breakpoint: 15328753 − 15328759 wu−0 hi−0

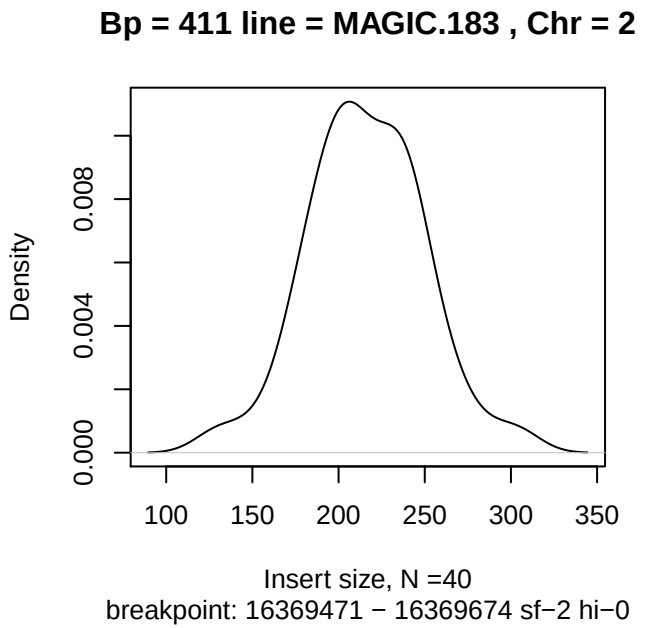

Bp = 406 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =32
breakpoint: 15412754 − 15412821 hi−0 no−0

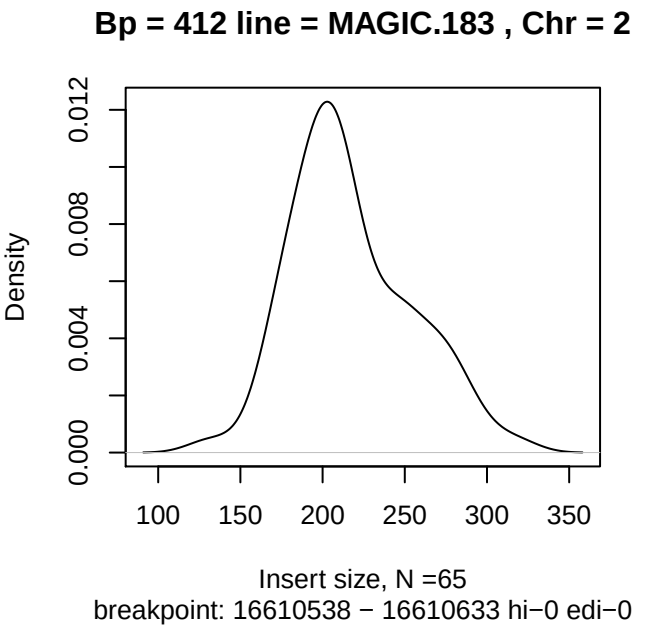

Bp = 407 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =56
breakpoint: 15598334 − 15598363 no−0 edi−0

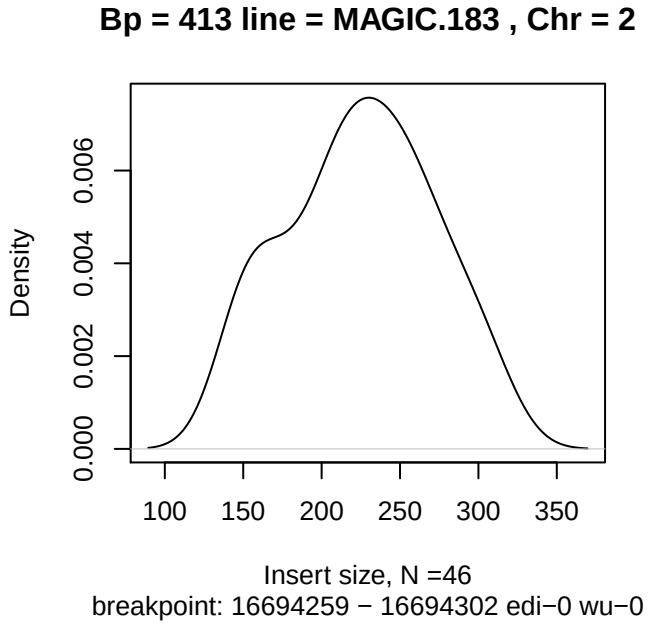

Bp = 408 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =36
breakpoint: 15752431 − 15752496 edi−0 tsu−0

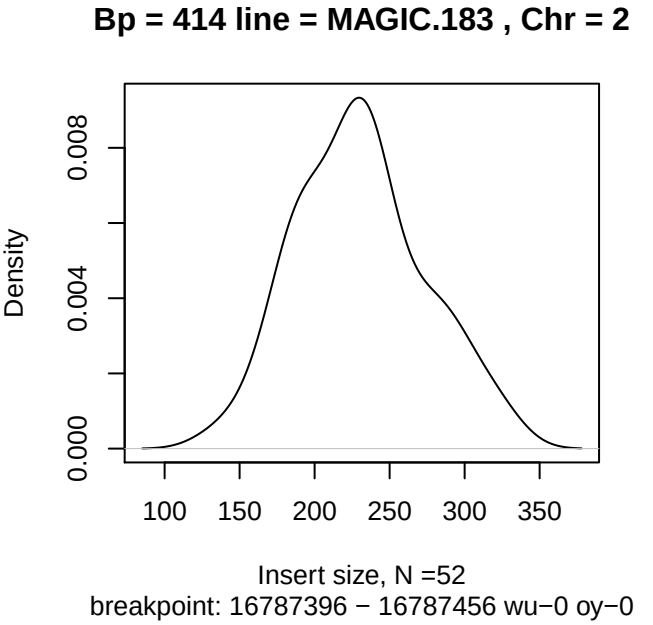

Bp = 409 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
Insert size, N =47
breakpoint: 15978309 − 15978334 tsu−0 ct−1

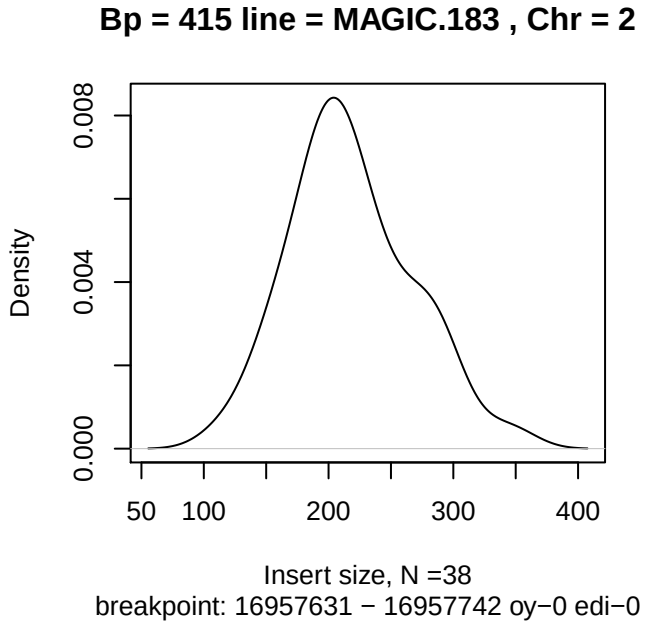

Bp = 410 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =47
breakpoint: 16029710 − 16029788 ct−1 sf−2

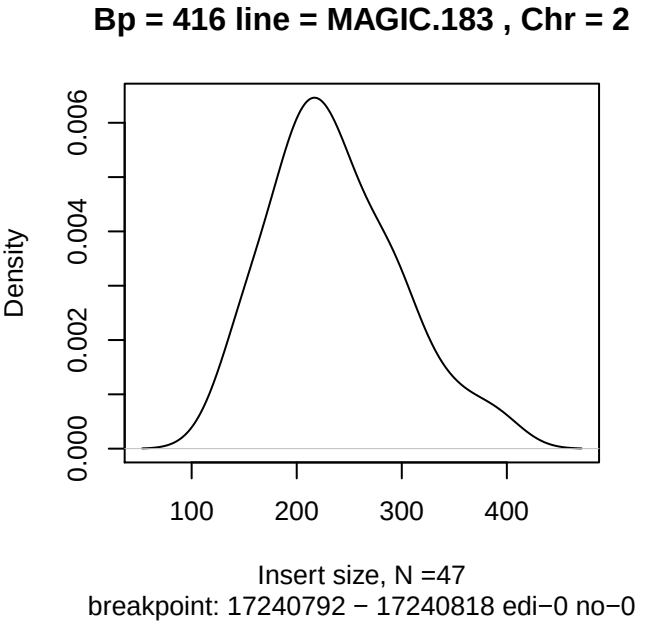

Bp = 411 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =40
breakpoint: 16369471 − 16369674 sf−2 hi−0

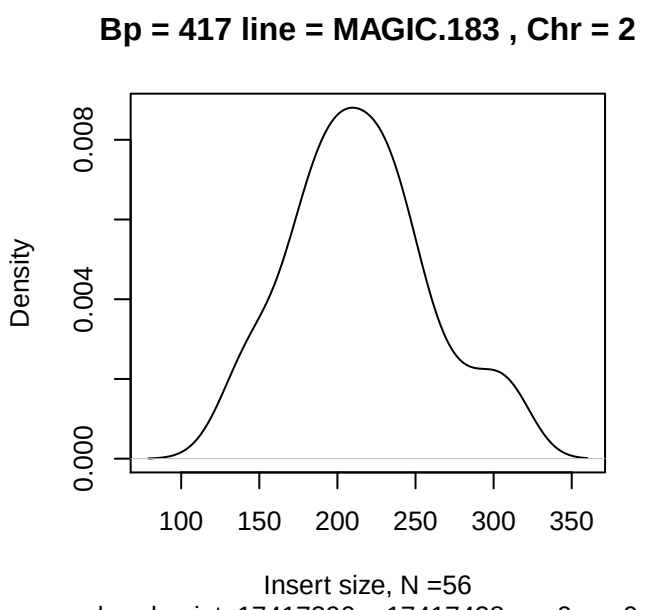

Bp = 412 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =65
breakpoint: 16610538 − 16610633 hi−0 edi−0

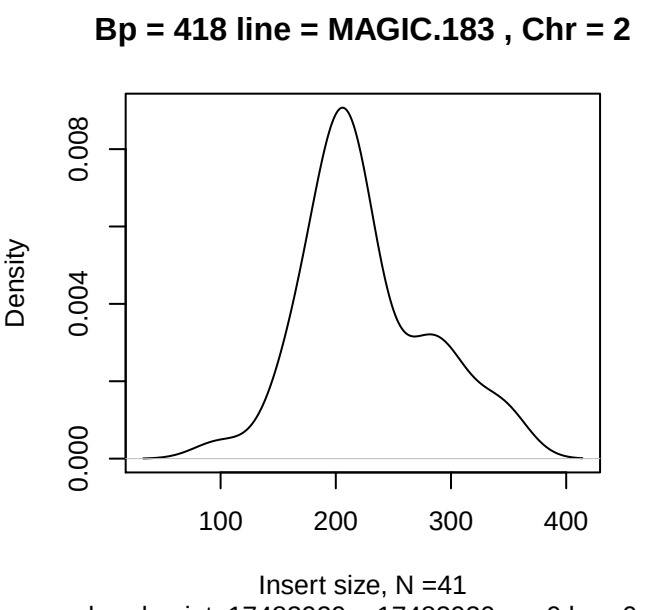

Bp = 413 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =46
breakpoint: 16694259 − 16694302 edi−0 wu−0

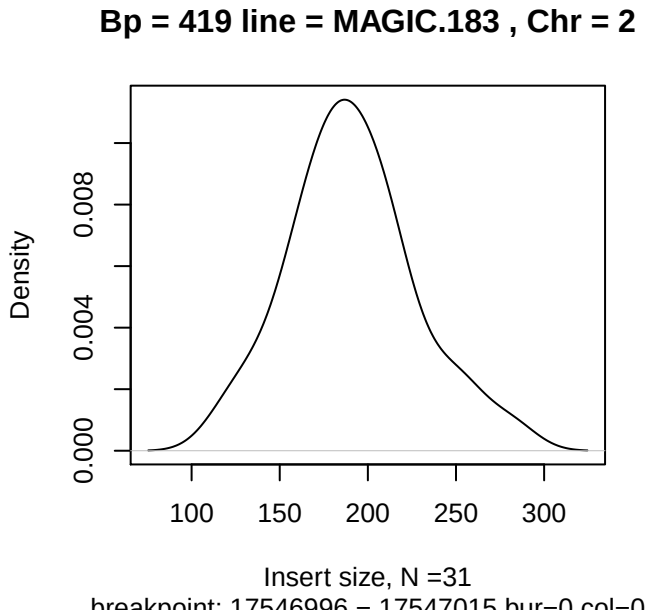

Bp = 414 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =52
breakpoint: 16787396 − 16787456 wu−0 oy−0

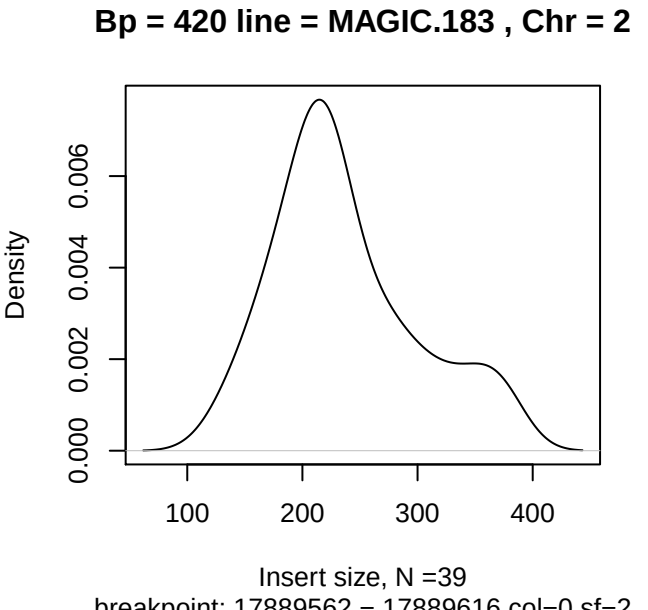

Bp = 415 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =38
breakpoint: 16957631 − 16957742 oy−0 edi−0

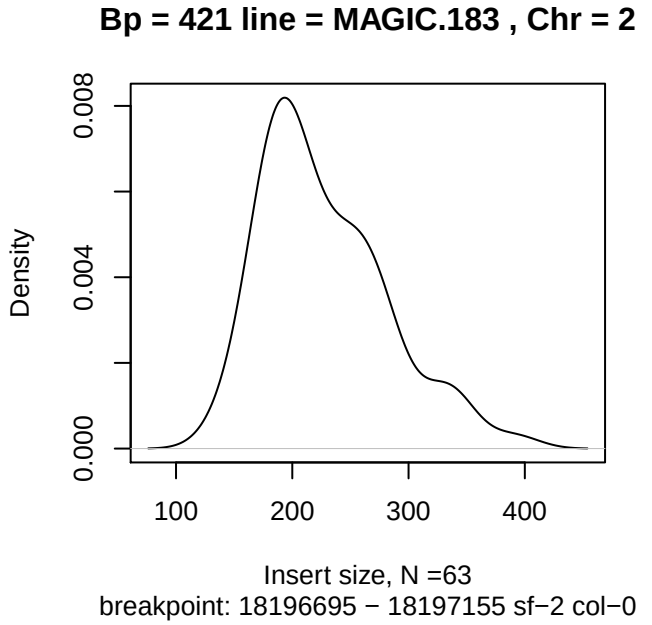

Bp = 416 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =47
breakpoint: 17240792 − 17240818 edi−0 no−0


Bp = 417 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =56
breakpoint: 17417390 − 17417428 no−0 zu−0


Bp = 418 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =41
breakpoint: 17483929 − 17483930 zu−0 bur−0


Bp = 419 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =31
breakpoint: 17546996 − 17547015 bur−0 col−0


Bp = 420 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =39
breakpoint: 17889562 − 17889616 col−0 sf−2


Bp = 421 line = MAGIC.183 , Chr = 2
Density
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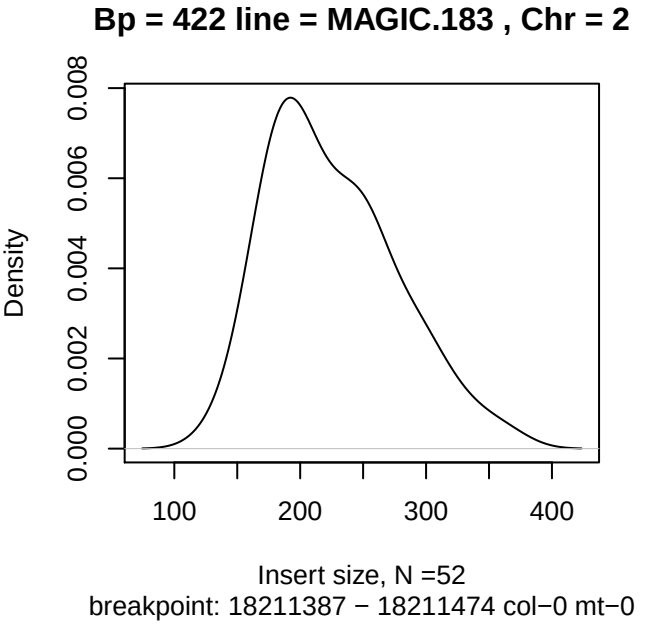
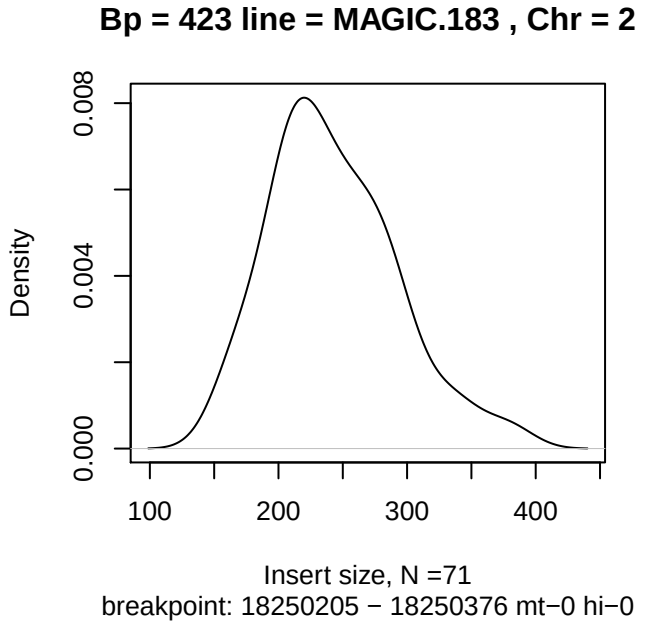
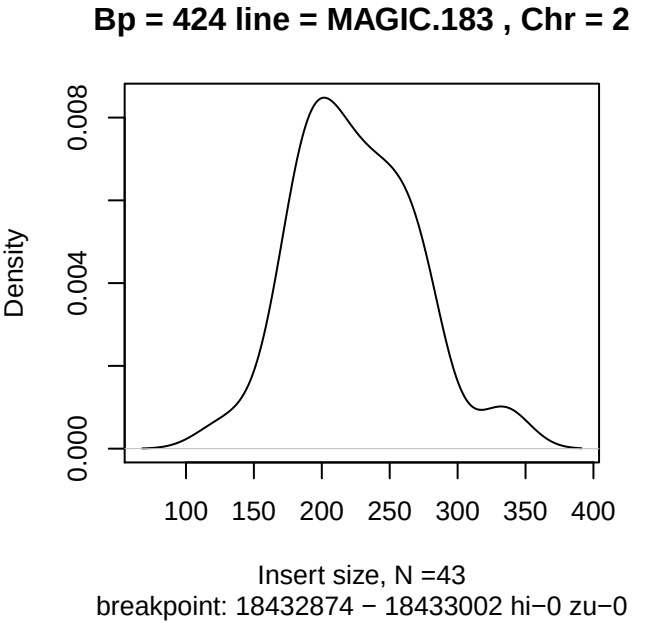
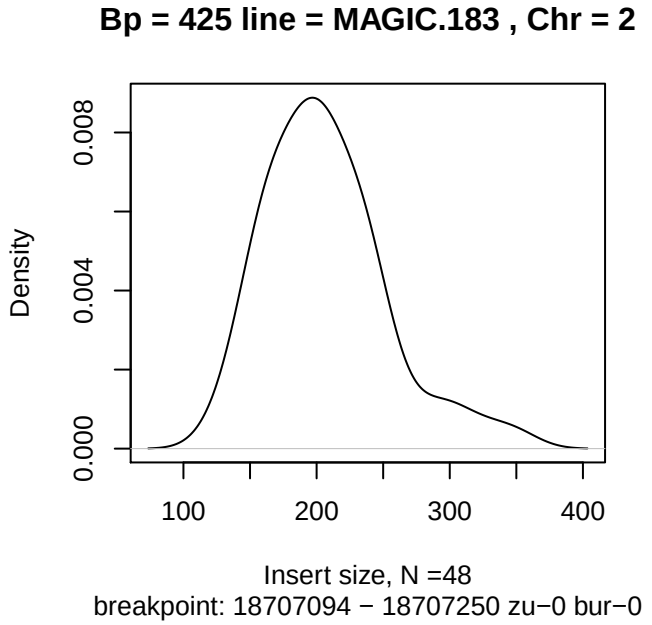
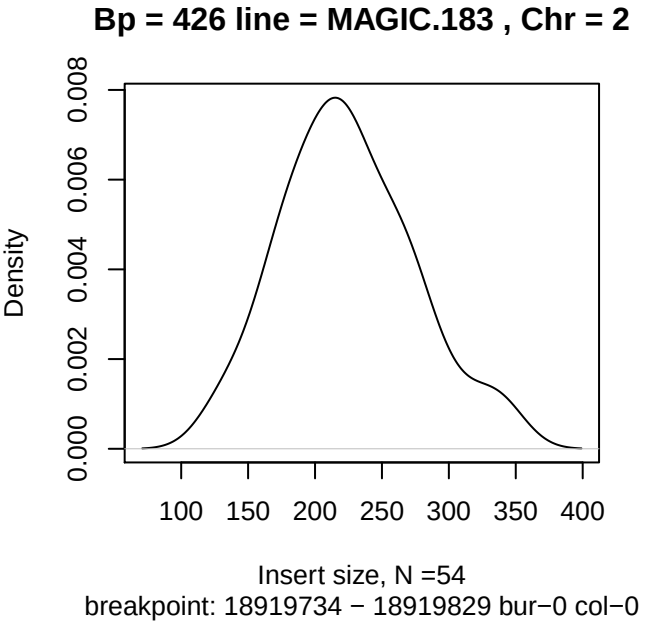
0.004
0.008
100
200
300
400
Insert size, N =63
breakpoint: 18196695 − 18197155 sf−2 col−0

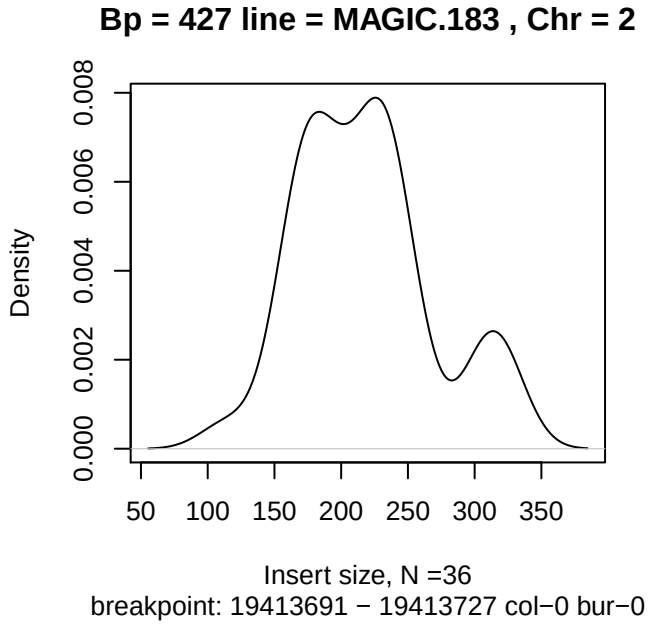

Bp = 422 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =52
breakpoint: 18211387 − 18211474 col−0 mt−0

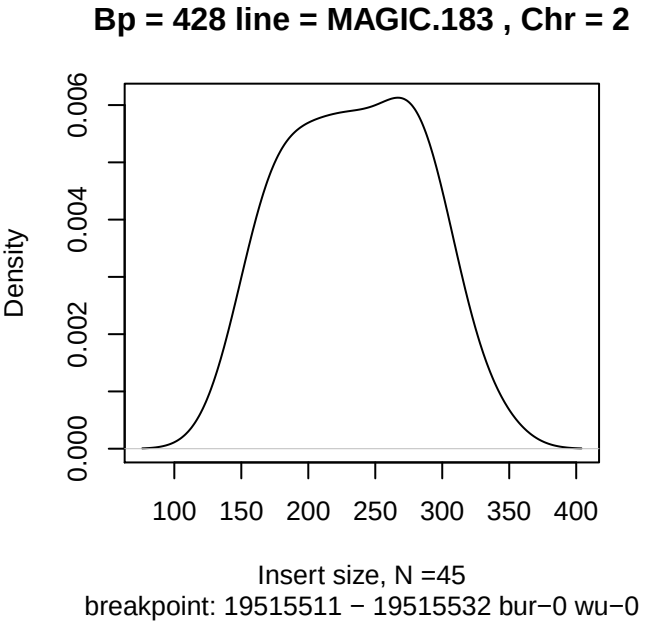

Bp = 423 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =71
breakpoint: 18250205 − 18250376 mt−0 hi−0

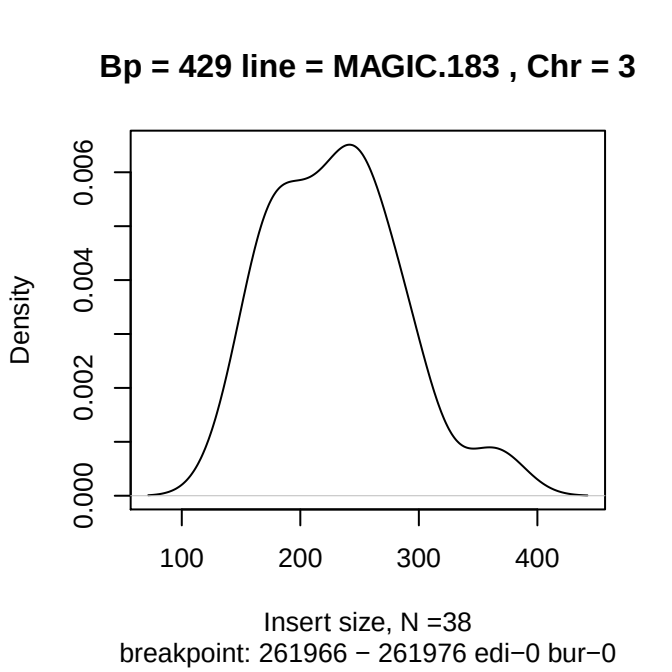

Bp = 424 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =43
breakpoint: 18432874 − 18433002 hi−0 zu−0

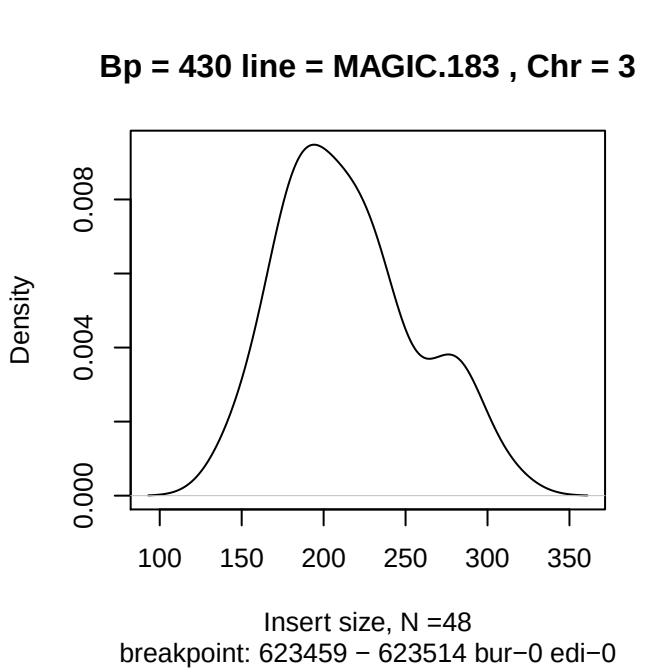

Bp = 425 line = MAGIC.183 , Chr = 2
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =48
breakpoint: 18707094 − 18707250 zu−0 bur−0

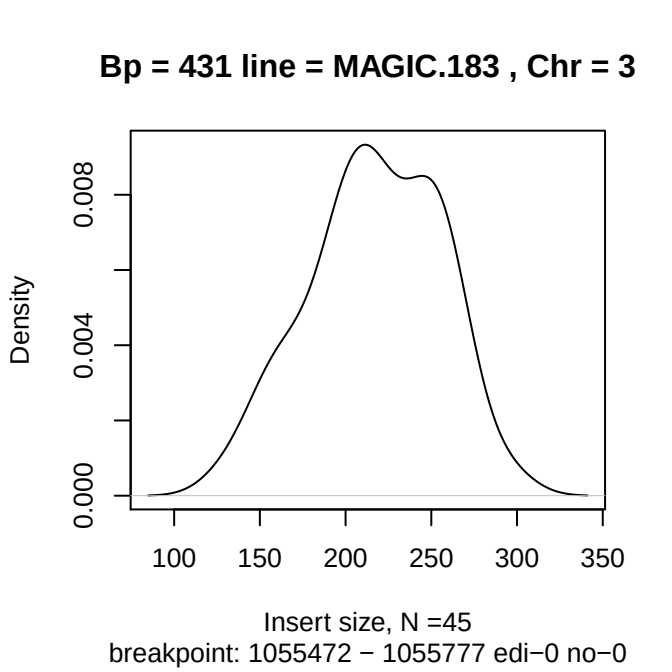

Bp = 426 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =54
breakpoint: 18919734 − 18919829 bur−0 col−0

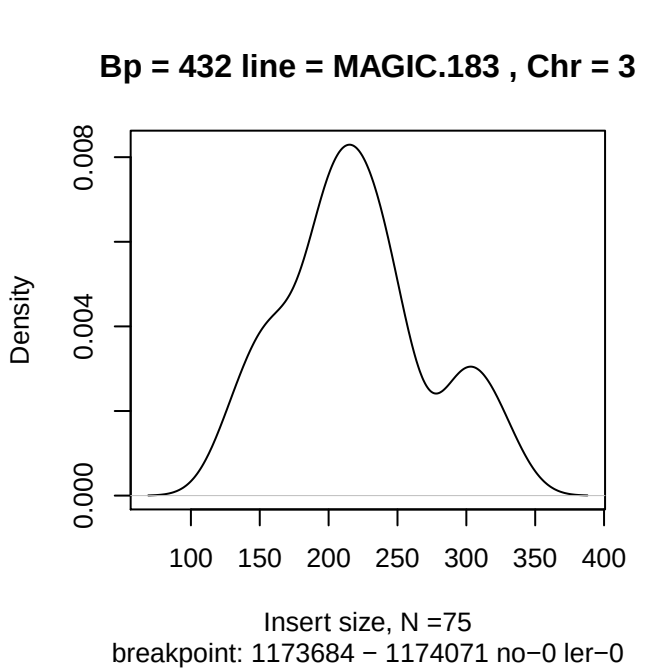

Bp = 427 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
0.008
50
100
150
200
250
300
350
Insert size, N =36
breakpoint: 19413691 − 19413727 col−0 bur−0

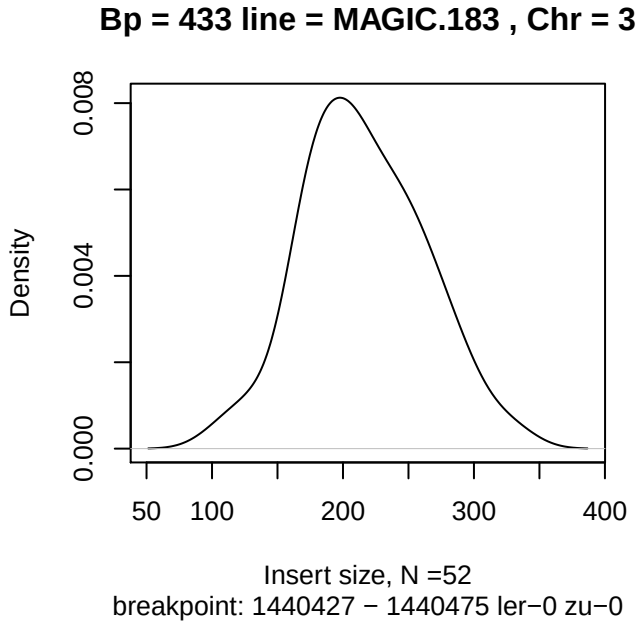

Bp = 428 line = MAGIC.183 , Chr = 2
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =45
breakpoint: 19515511 − 19515532 bur−0 wu−0

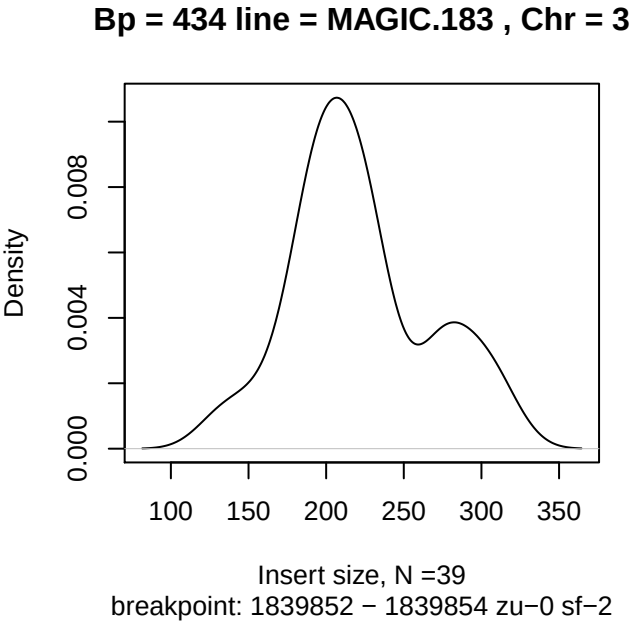

Bp = 429 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =38
breakpoint: 261966 − 261976 edi−0 bur−0

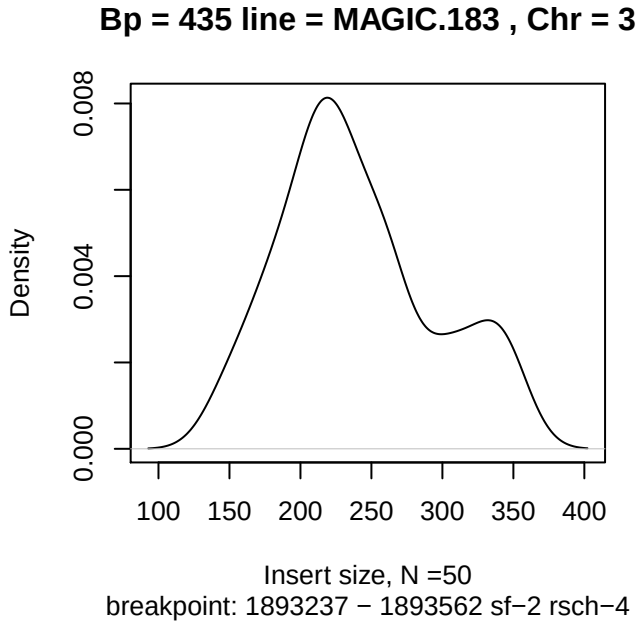

Bp = 430 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 623459 − 623514 bur−0 edi−0

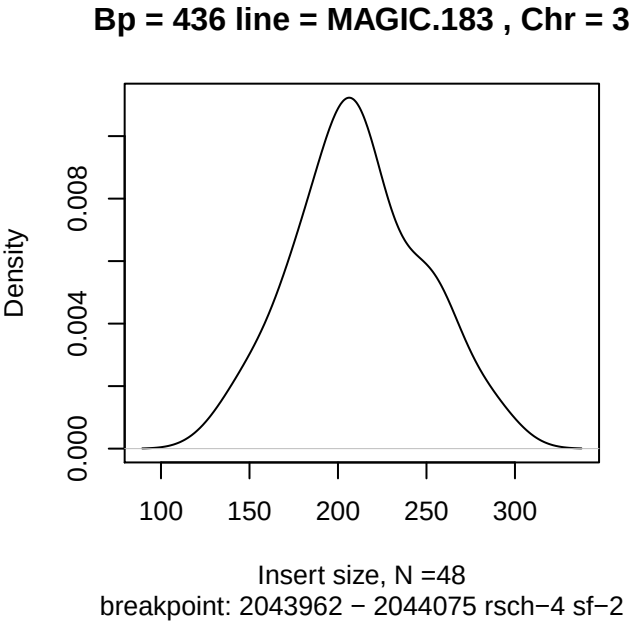

Bp = 431 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 1055472 − 1055777 edi−0 no−0

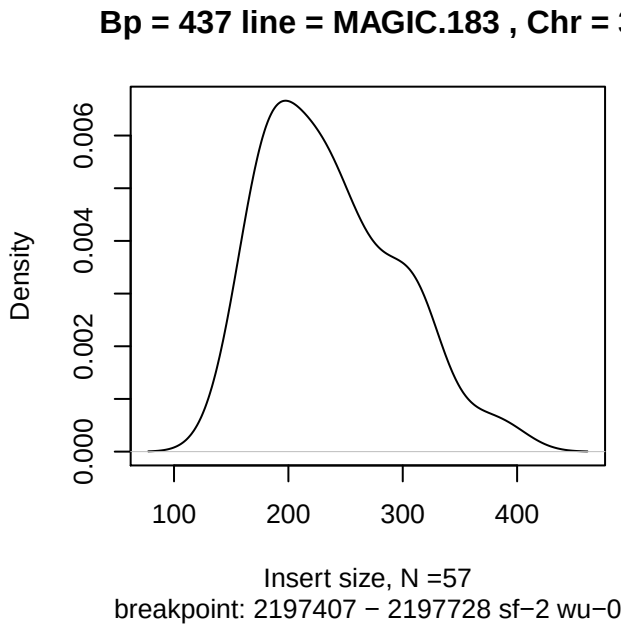

Bp = 432 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =75
breakpoint: 1173684 − 1174071 no−0 ler−0

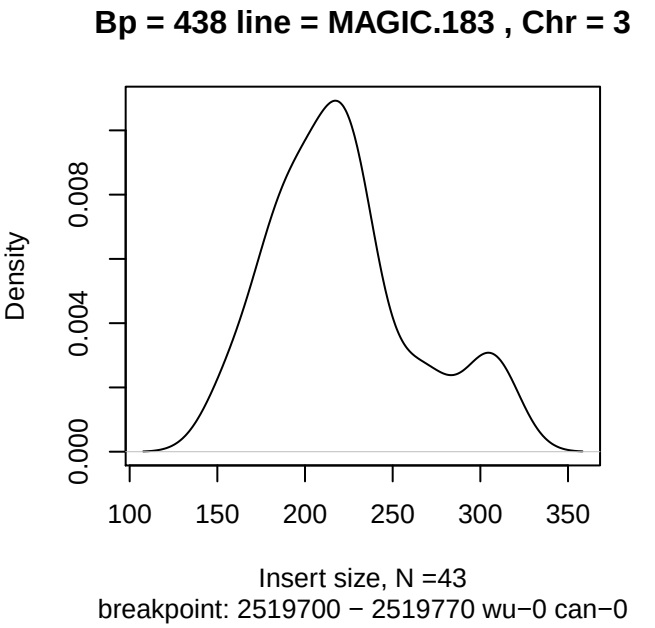

Bp = 433 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =52
breakpoint: 1440427 − 1440475 ler−0 zu−0

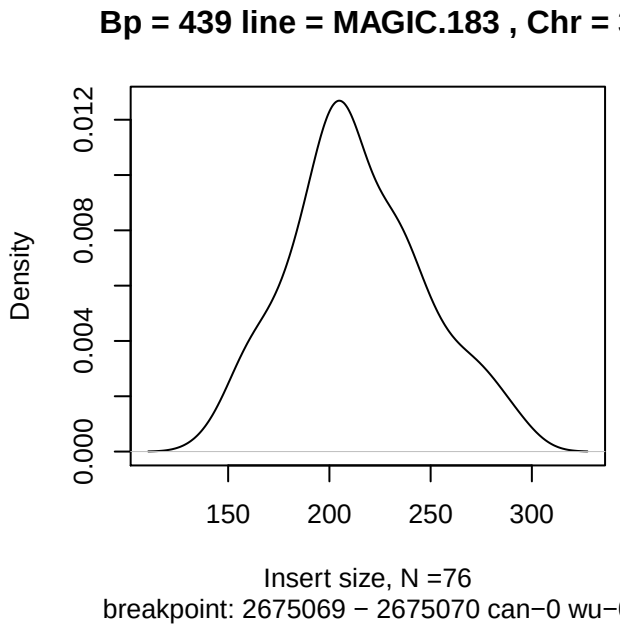

Bp = 434 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 1839852 − 1839854 zu−0 sf−2

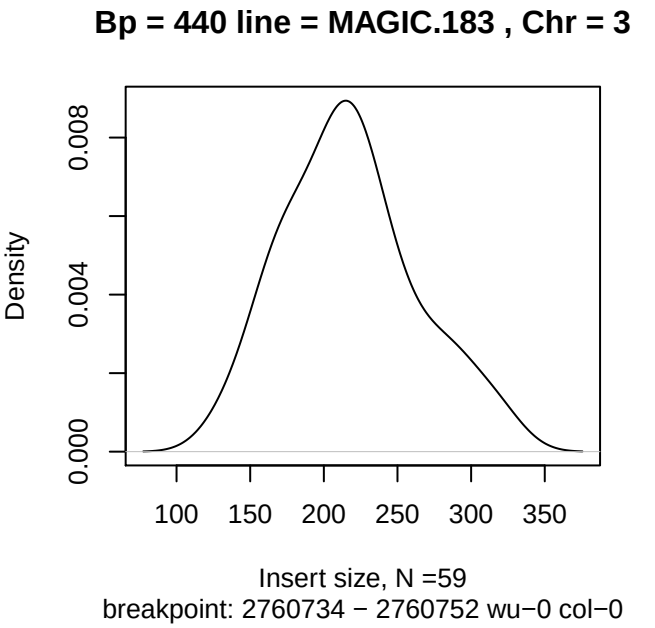

Bp = 435 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =50
breakpoint: 1893237 − 1893562 sf−2 rsch−4

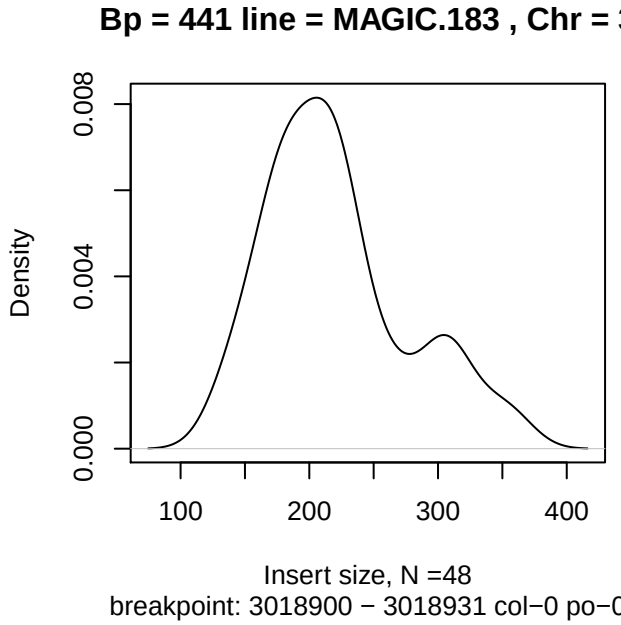

Bp = 436 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =48
breakpoint: 2043962 − 2044075 rsch−4 sf−2

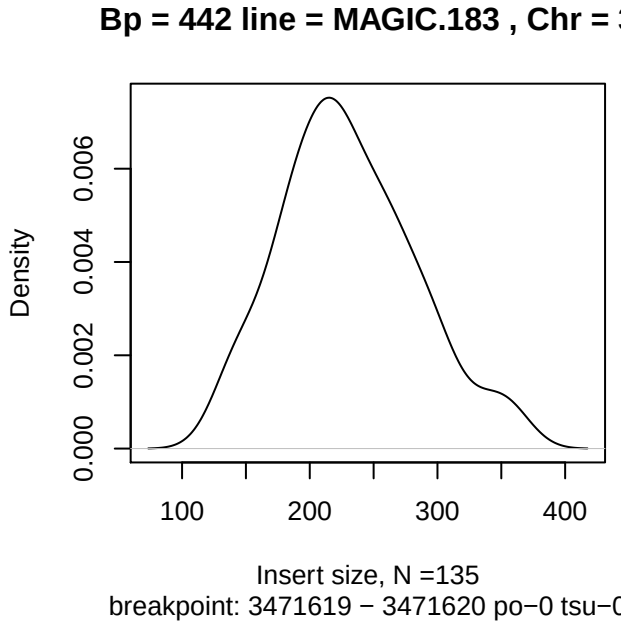

Bp = 437 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =57
breakpoint: 2197407 − 2197728 sf−2 wu−0

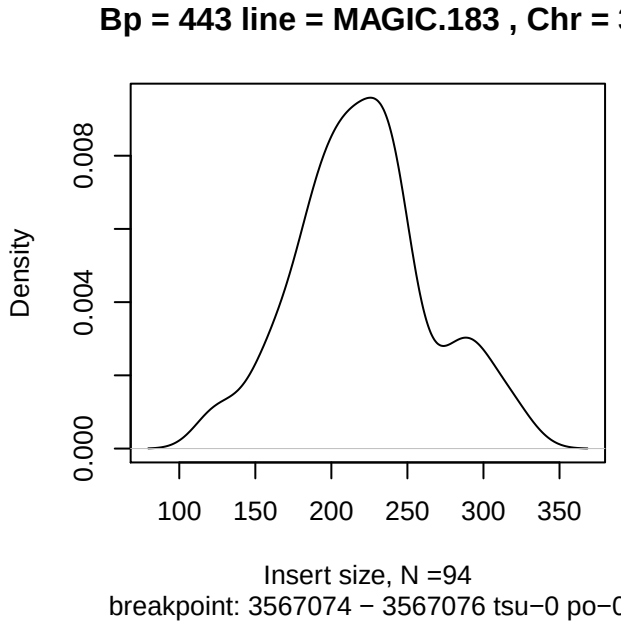

Bp = 438 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =43
breakpoint: 2519700 − 2519770 wu−0 can−0

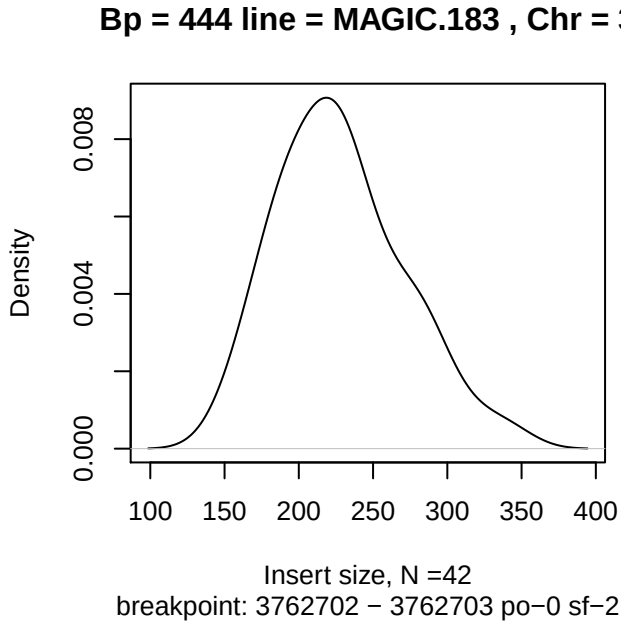

Bp = 439 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
150
200
250
300
Insert size, N =76
breakpoint: 2675069 − 2675070 can−0 wu−0

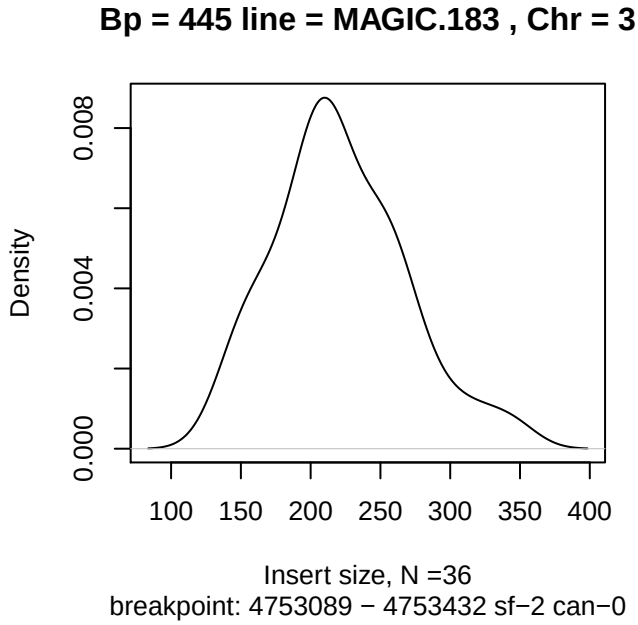

Bp = 440 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =59
breakpoint: 2760734 − 2760752 wu−0 col−0

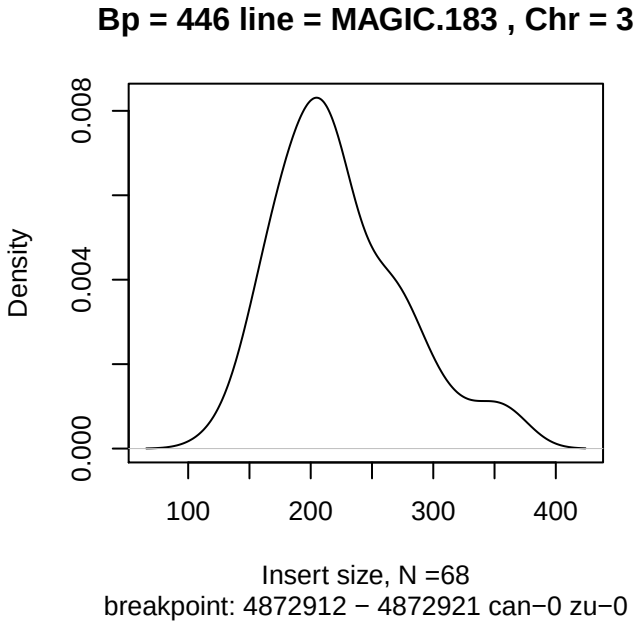

Bp = 441 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =48
breakpoint: 3018900 − 3018931 col−0 po−0

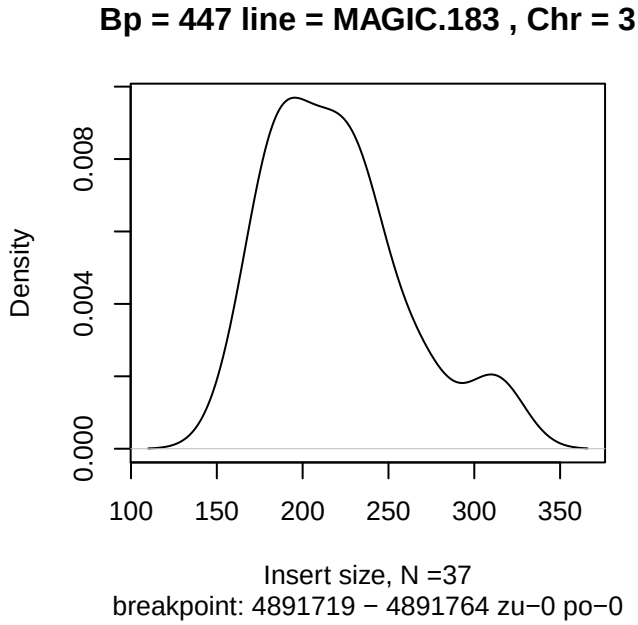

Bp = 442 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =135
breakpoint: 3471619 − 3471620 po−0 tsu−0

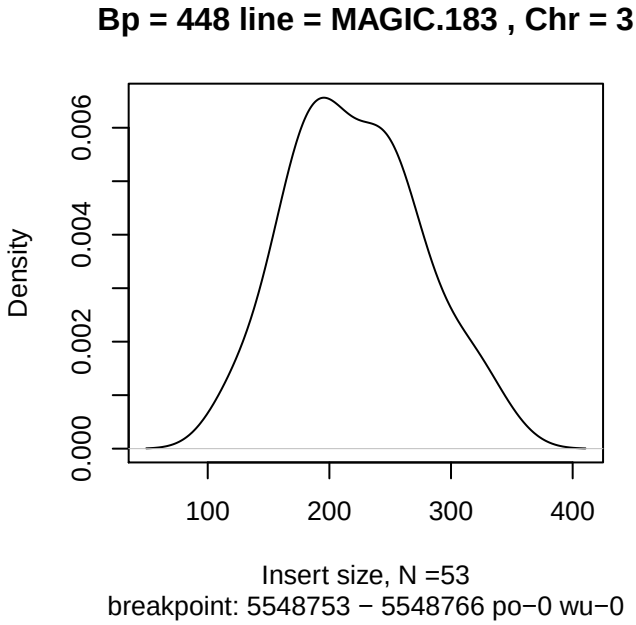

Bp = 443 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =94
breakpoint: 3567074 − 3567076 tsu−0 po−0

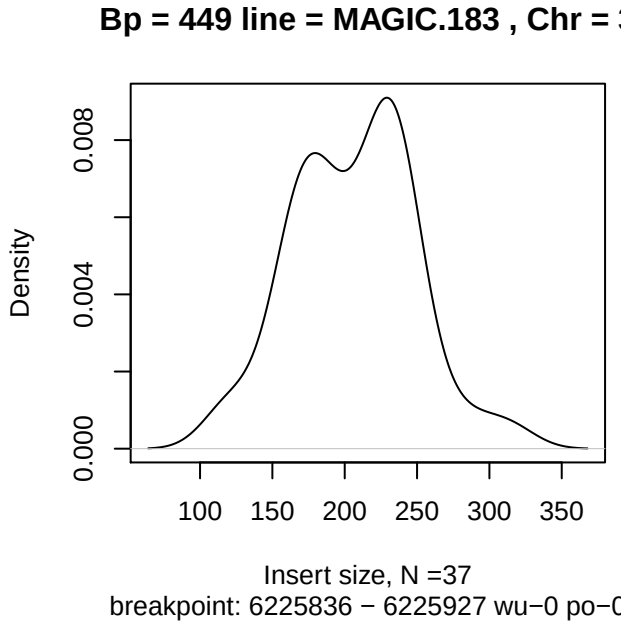

Bp = 444 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =42
breakpoint: 3762702 − 3762703 po−0 sf−2

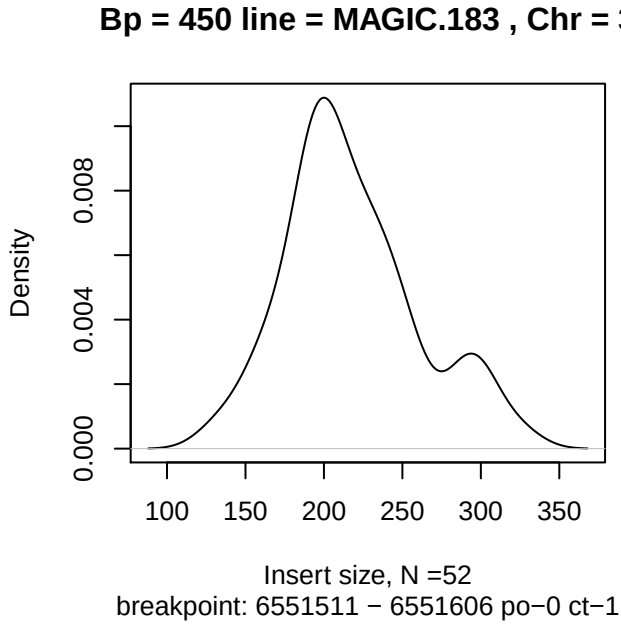

Bp = 445 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =36
breakpoint: 4753089 − 4753432 sf−2 can−0

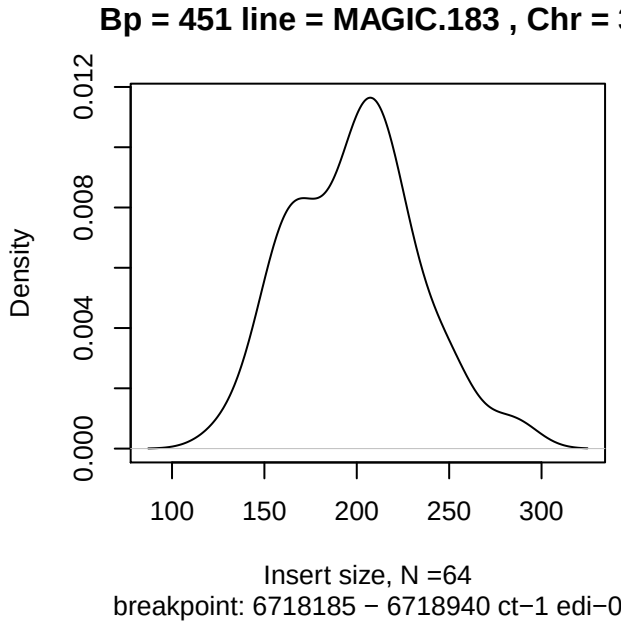

Bp = 446 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =68
breakpoint: 4872912 − 4872921 can−0 zu−0

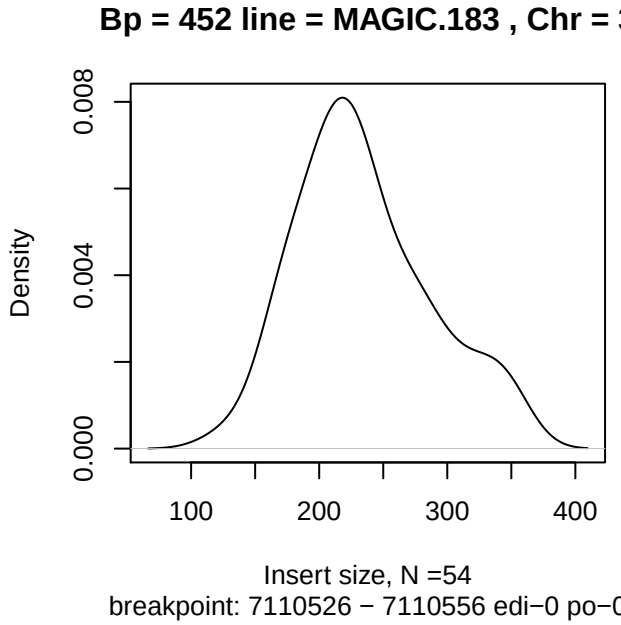

Bp = 447 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =37
breakpoint: 4891719 − 4891764 zu−0 po−0

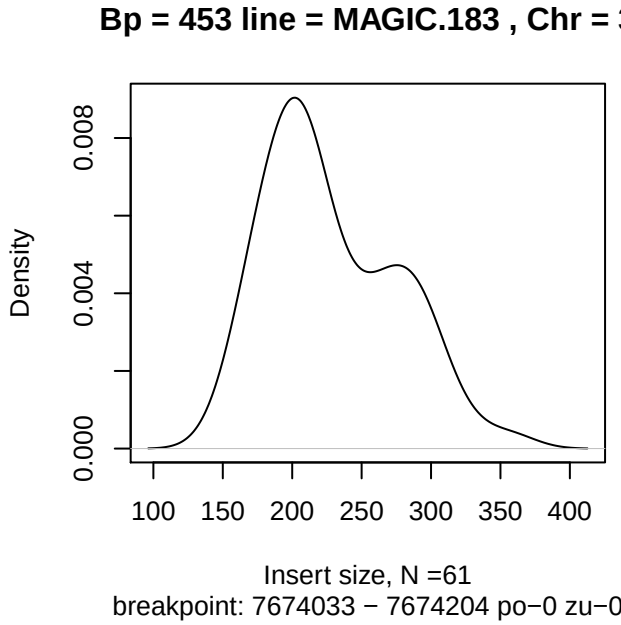

Bp = 448 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =53
breakpoint: 5548753 − 5548766 po−0 wu−0

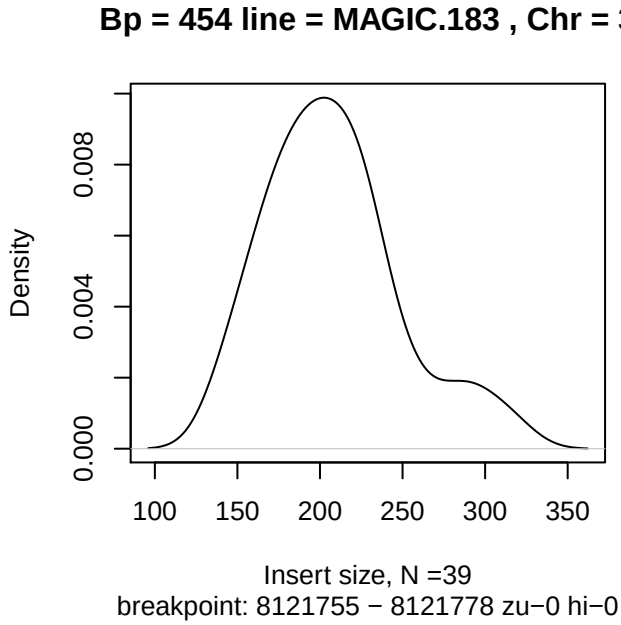

Bp = 449 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =37
breakpoint: 6225836 − 6225927 wu−0 po−0

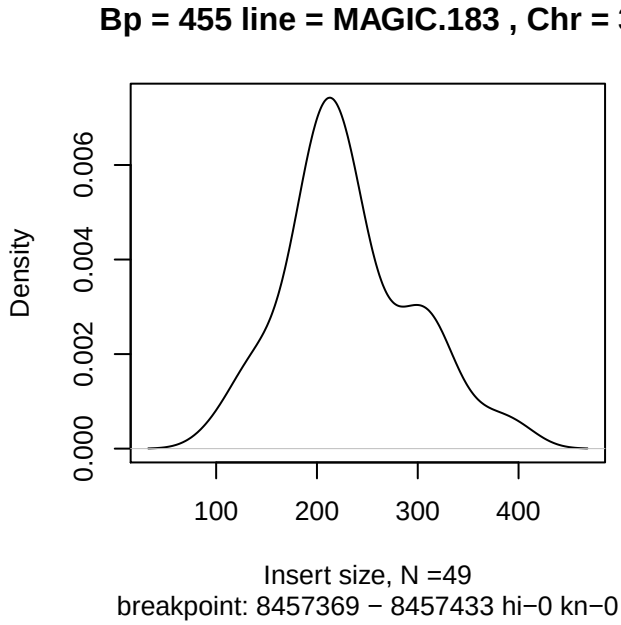

Bp = 450 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =52
breakpoint: 6551511 − 6551606 po−0 ct−1

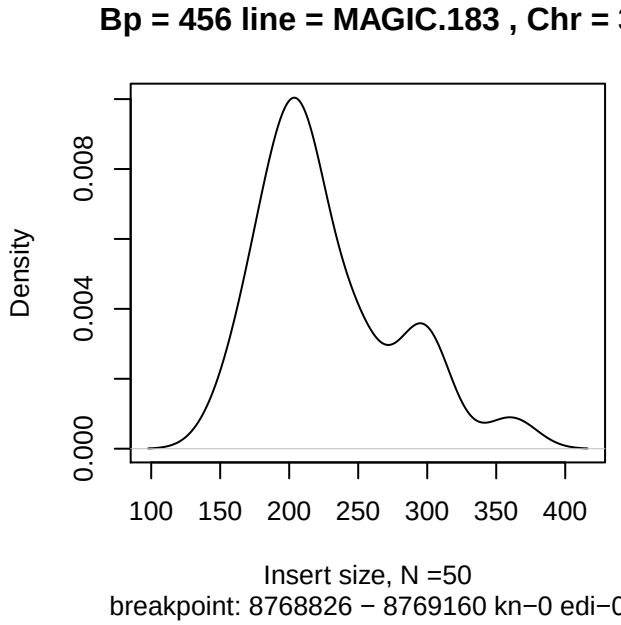

Bp = 451 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =64
breakpoint: 6718185 − 6718940 ct−1 edi−0

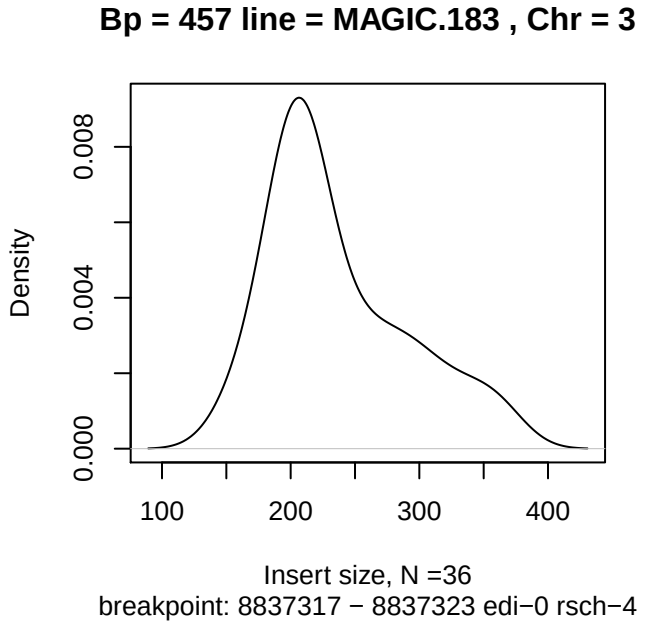

Bp = 452 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =54
breakpoint: 7110526 − 7110556 edi−0 po−0

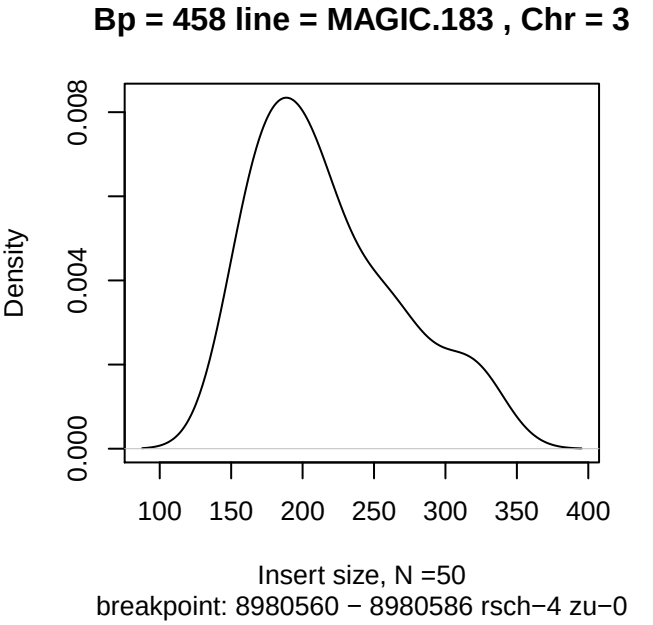

Bp = 453 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =61
breakpoint: 7674033 − 7674204 po−0 zu−0

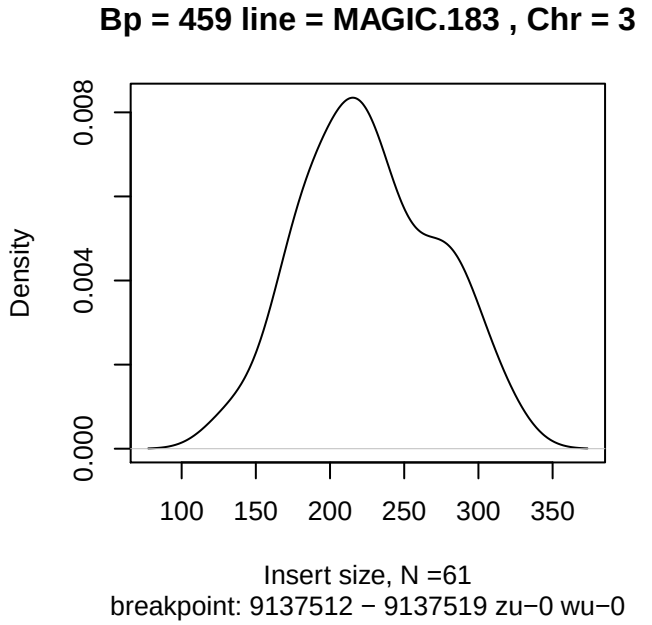

Bp = 454 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 8121755 − 8121778 zu−0 hi−0

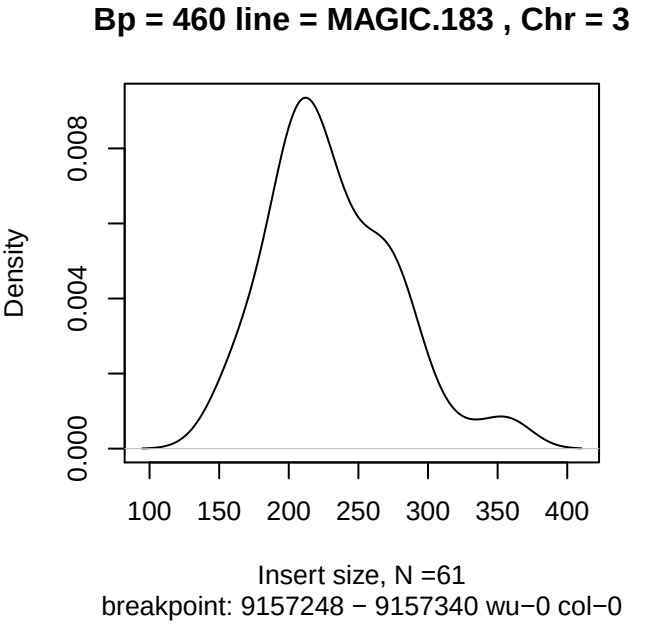

Bp = 455 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =49
breakpoint: 8457369 − 8457433 hi−0 kn−0

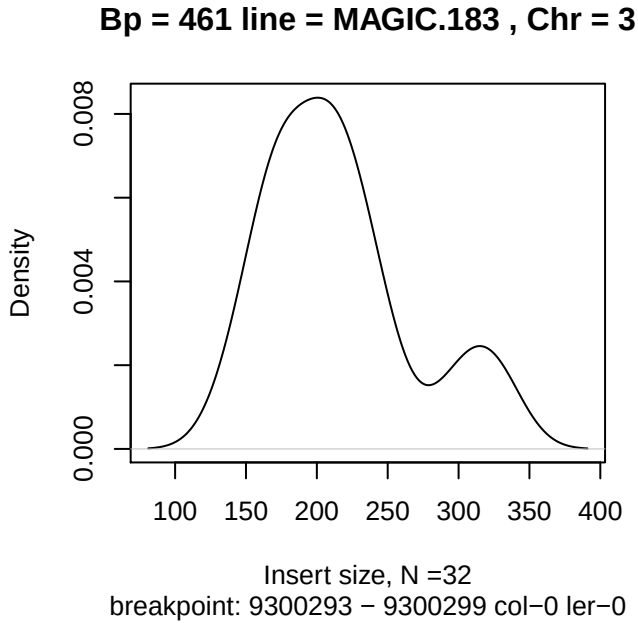

Bp = 456 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =50
breakpoint: 8768826 − 8769160 kn−0 edi−0

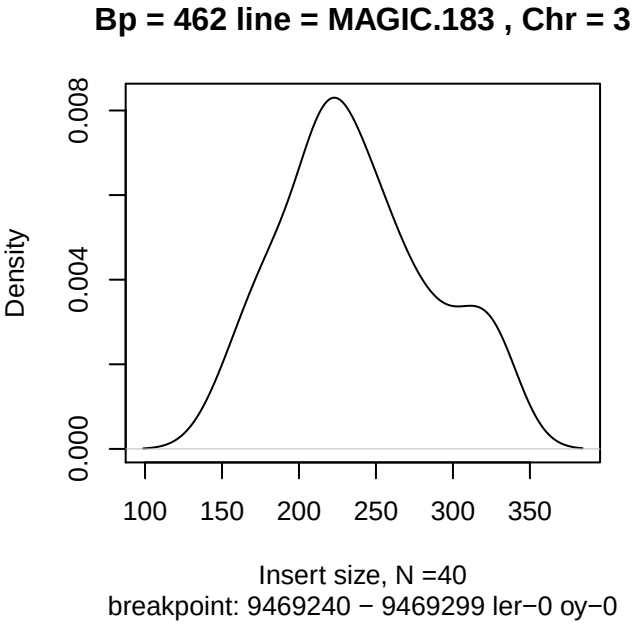

Bp = 457 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =36
breakpoint: 8837317 − 8837323 edi−0 rsch−4

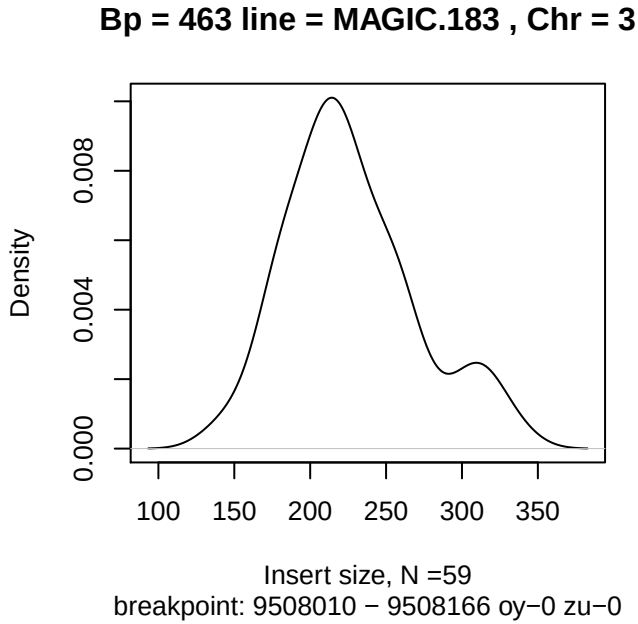

Bp = 458 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =50
breakpoint: 8980560 − 8980586 rsch−4 zu−0

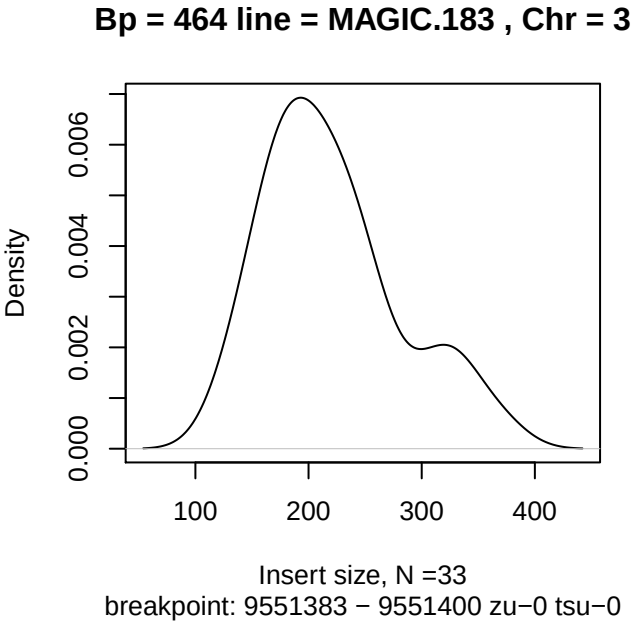

Bp = 459 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =61
breakpoint: 9137512 − 9137519 zu−0 wu−0

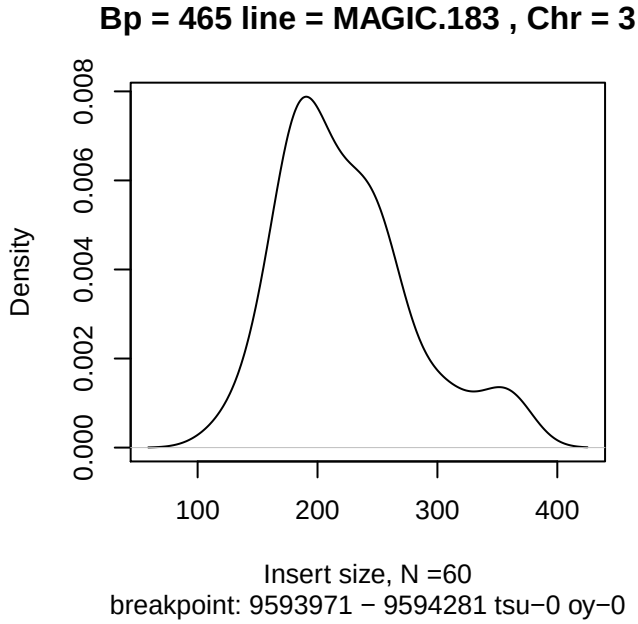

Bp = 460 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =61
breakpoint: 9157248 − 9157340 wu−0 col−0

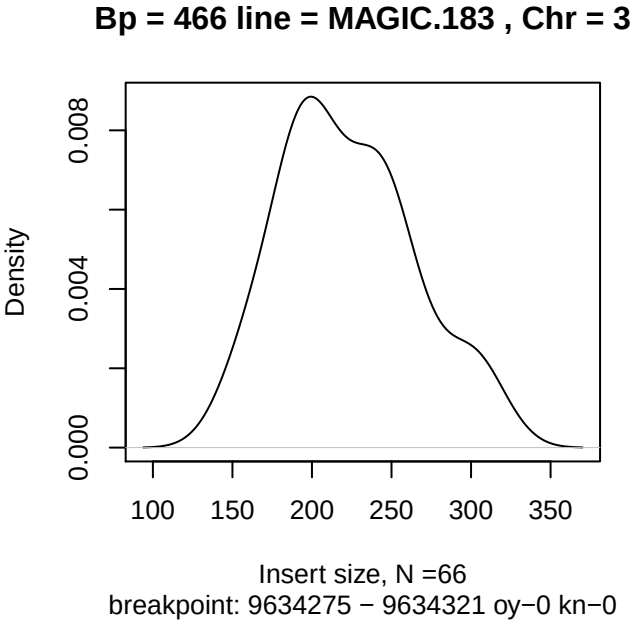

Bp = 461 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =32
breakpoint: 9300293 − 9300299 col−0 ler−0

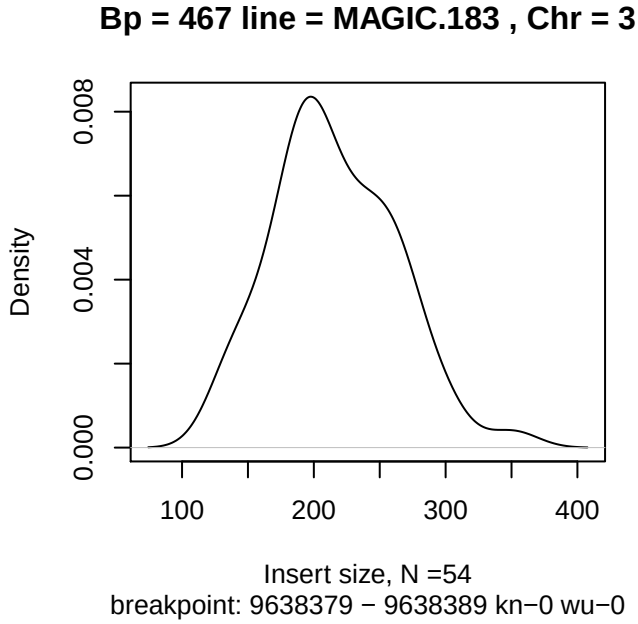

Bp = 462 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =40
breakpoint: 9469240 − 9469299 ler−0 oy−0

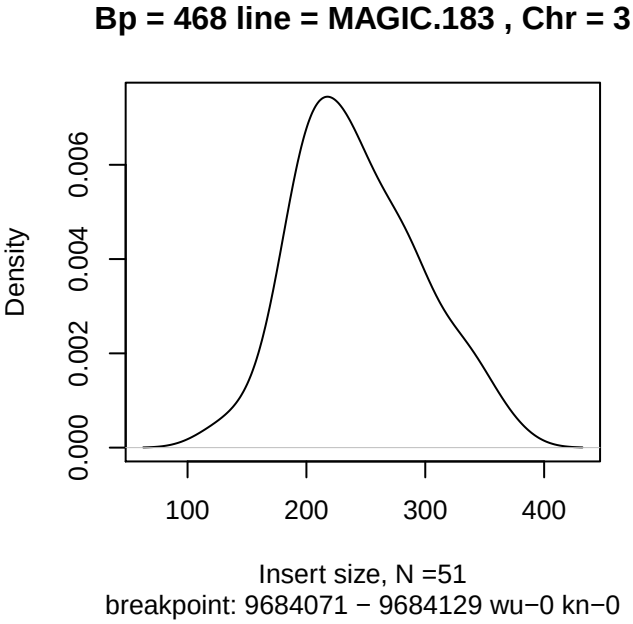

Bp = 463 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =59
breakpoint: 9508010 − 9508166 oy−0 zu−0

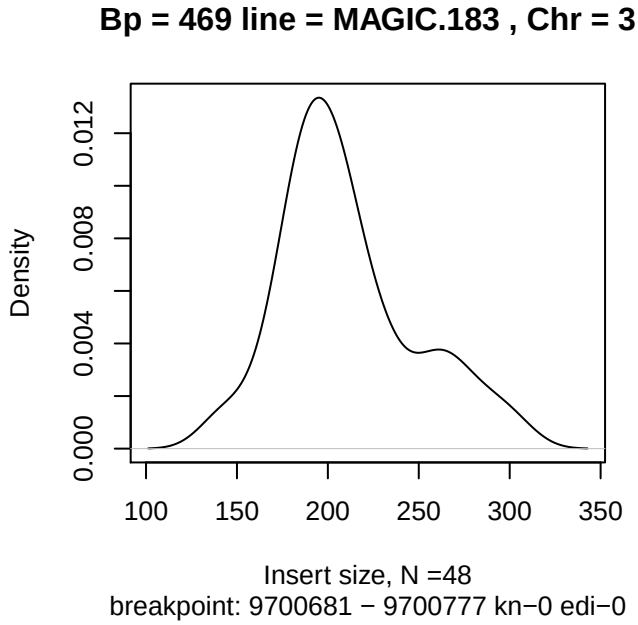

Bp = 464 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =33
breakpoint: 9551383 − 9551400 zu−0 tsu−0

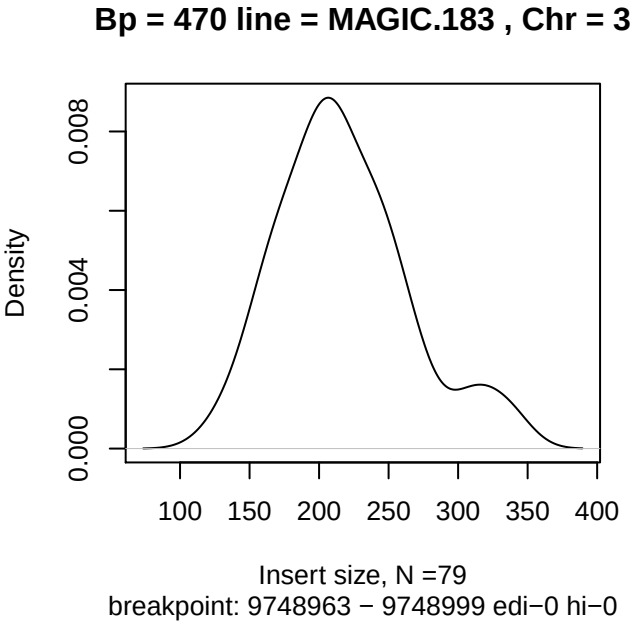

Bp = 465 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =60
breakpoint: 9593971 − 9594281 tsu−0 oy−0

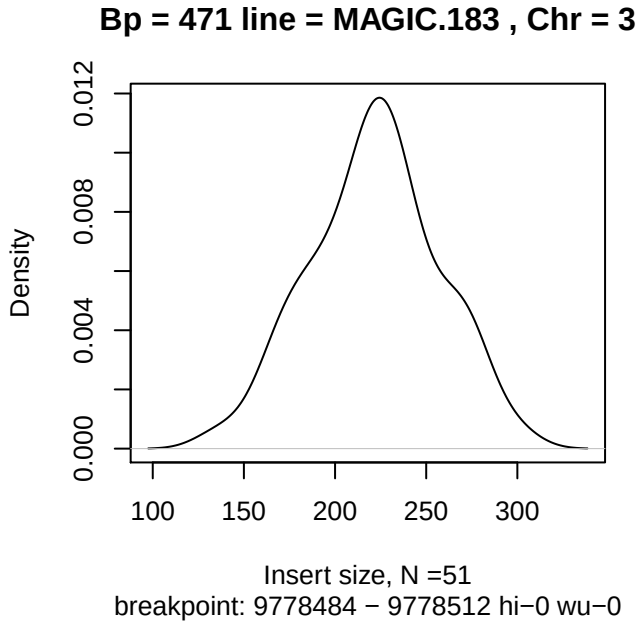

Bp = 466 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =66
breakpoint: 9634275 − 9634321 oy−0 kn−0

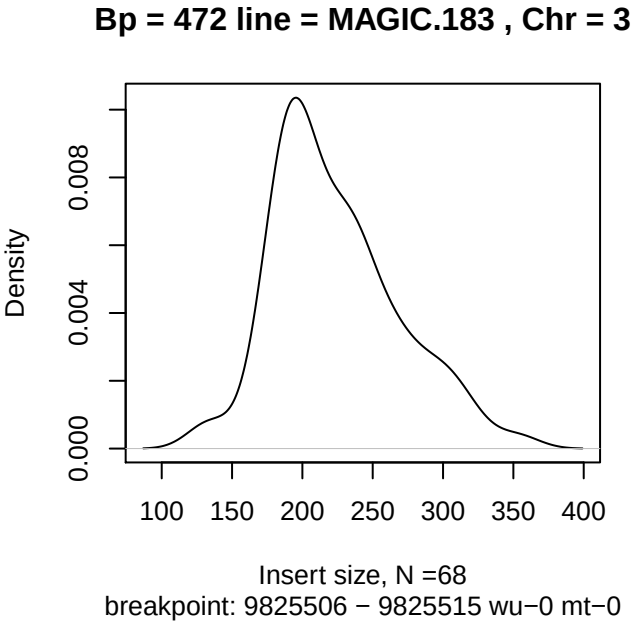

Bp = 467 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =54
breakpoint: 9638379 − 9638389 kn−0 wu−0

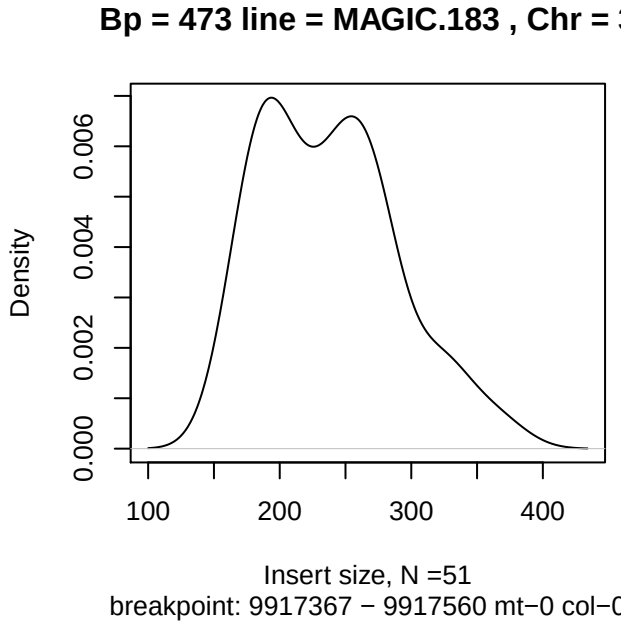

Bp = 468 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =51
breakpoint: 9684071 − 9684129 wu−0 kn−0

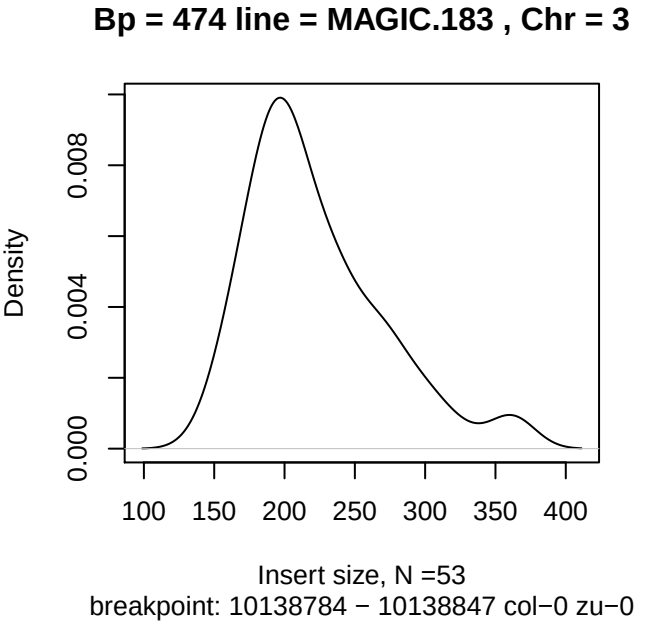

Bp = 469 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =48
breakpoint: 9700681 − 9700777 kn−0 edi−0

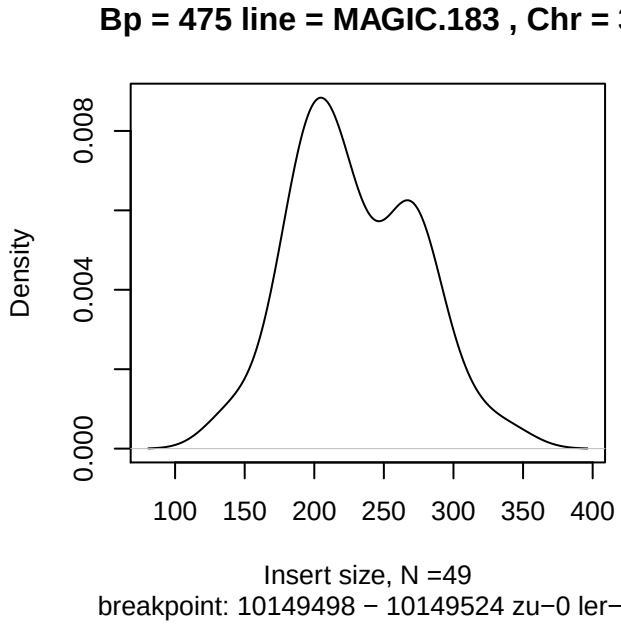

Bp = 470 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =79
breakpoint: 9748963 − 9748999 edi−0 hi−0

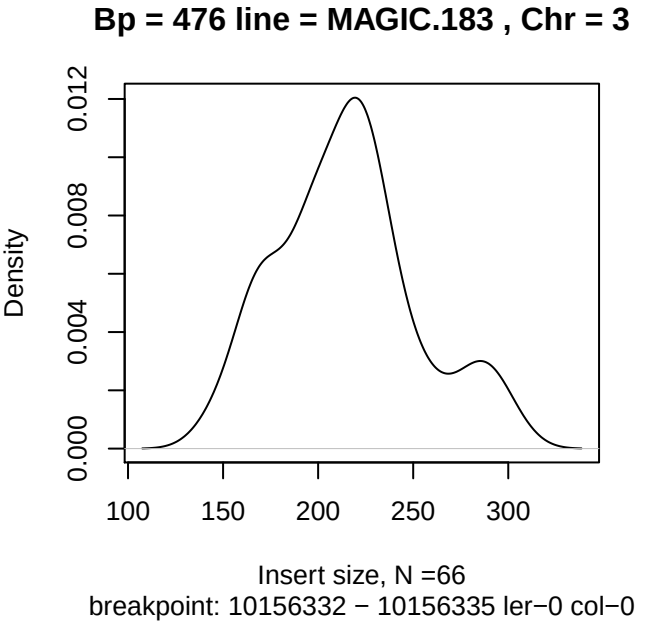

Bp = 471 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =51
breakpoint: 9778484 − 9778512 hi−0 wu−0

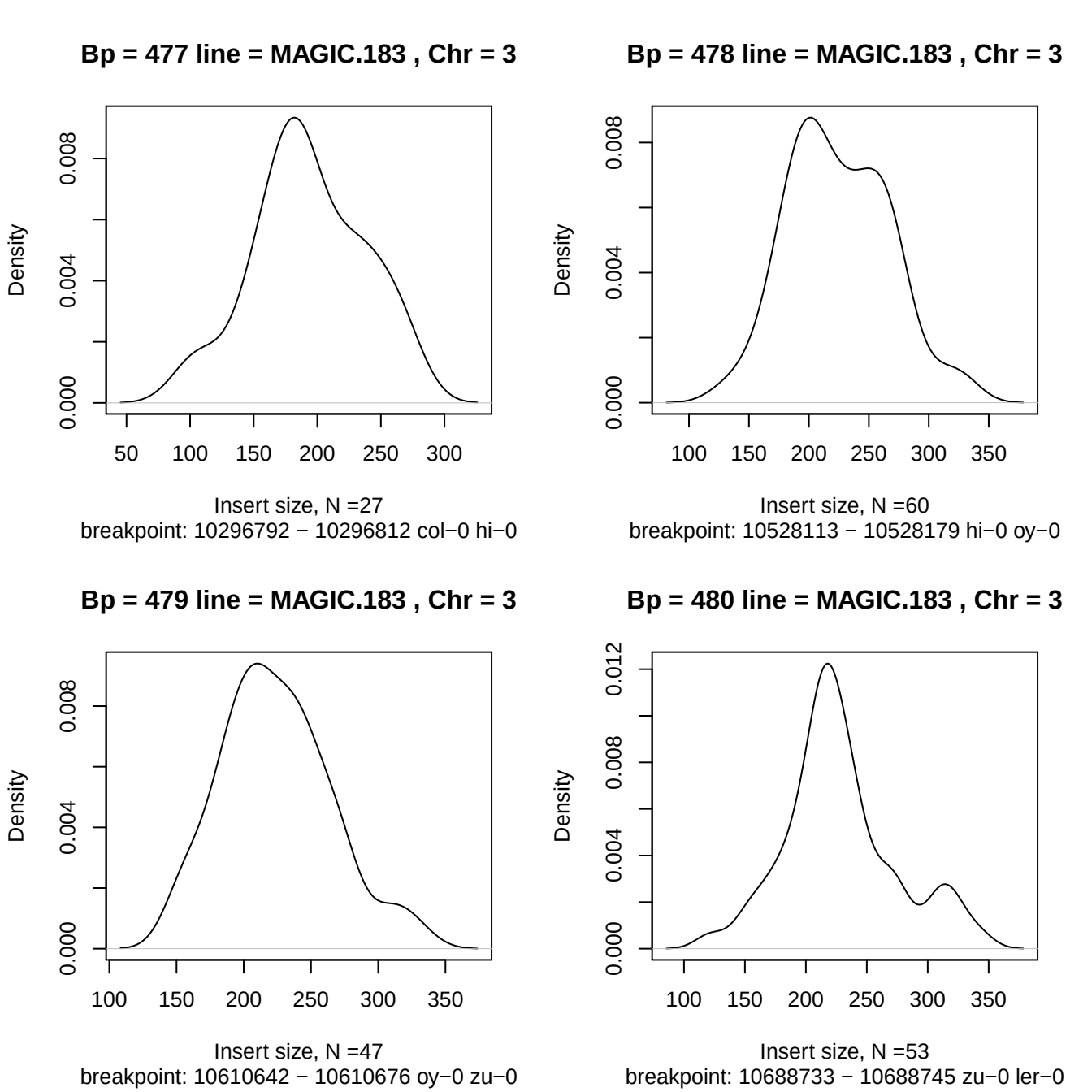

Bp = 472 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =68
breakpoint: 9825506 − 9825515 wu−0 mt−0

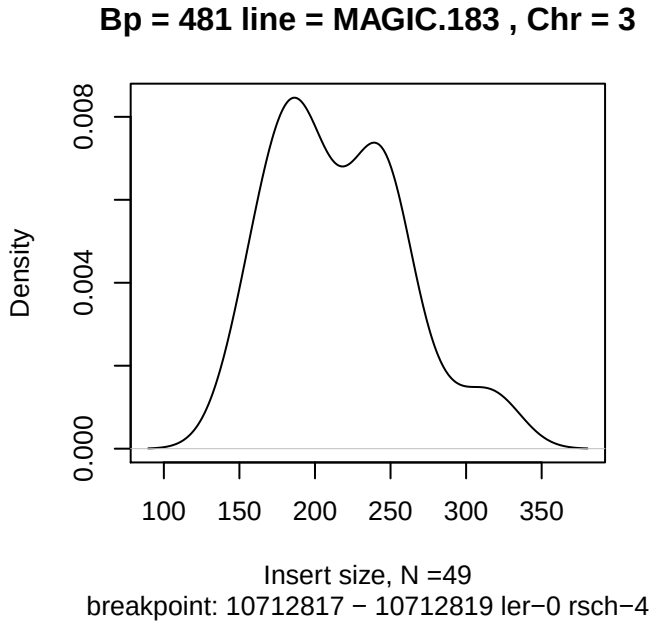

Bp = 473 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =51
breakpoint: 9917367 − 9917560 mt−0 col−0

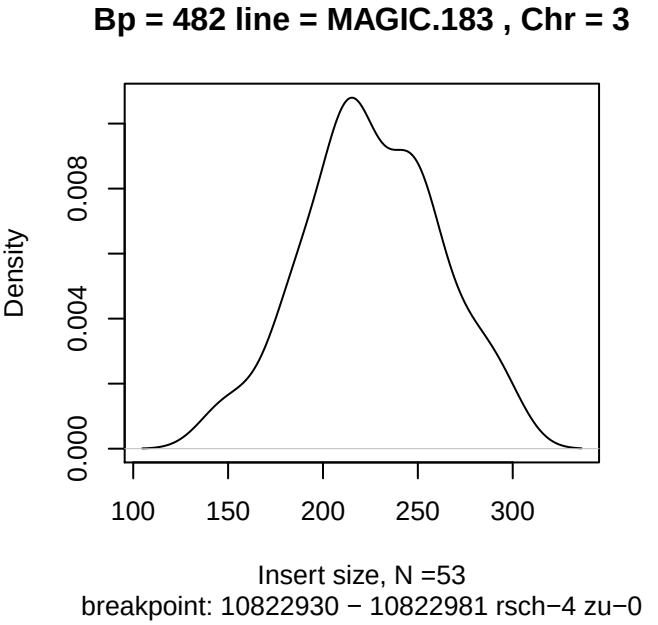

Bp = 474 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =53
breakpoint: 10138784 − 10138847 col−0 zu−0

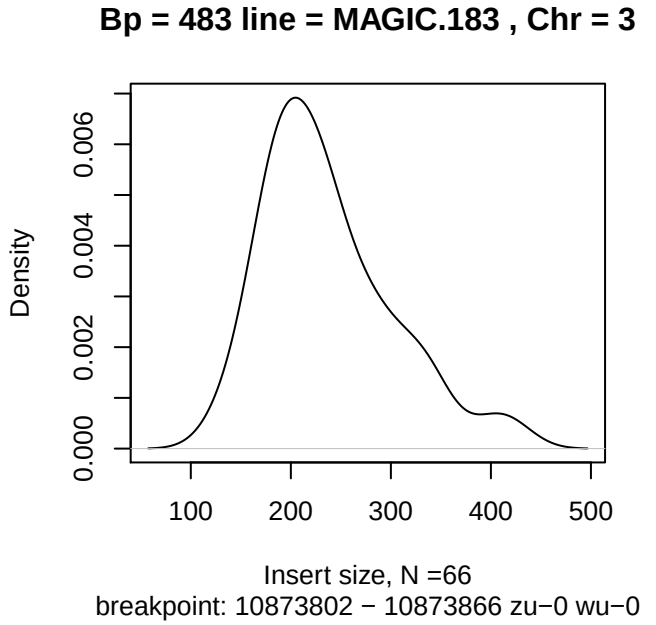

Bp = 475 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =49
breakpoint: 10149498 − 10149524 zu−0 ler−0

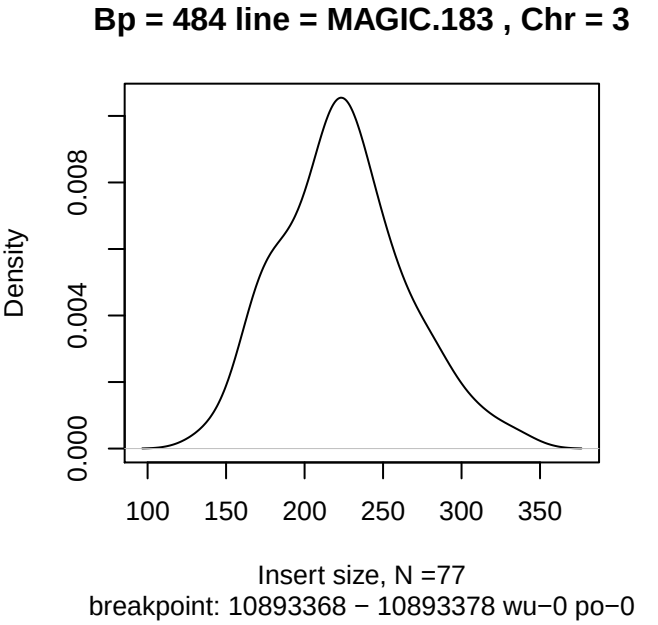

Bp = 476 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =66
breakpoint: 10156332 − 10156335 ler−0 col−0

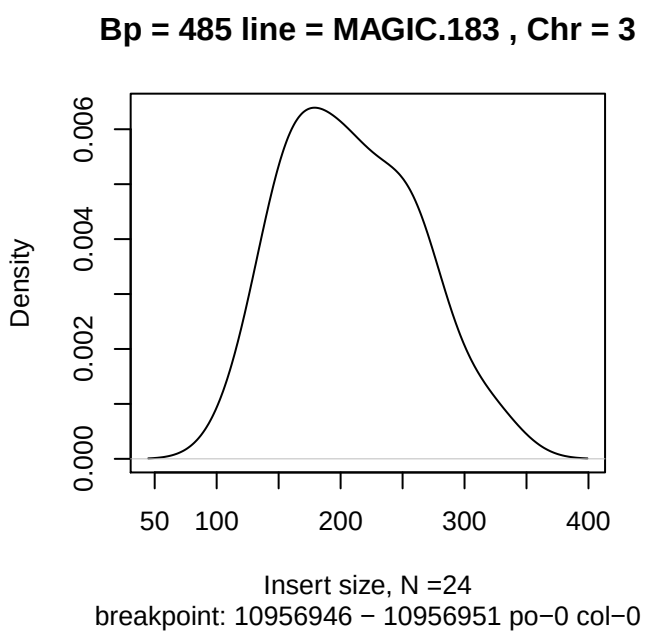

Bp = 477 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
50
100
150
200
250
300
Insert size, N =27
breakpoint: 10296792 − 10296812 col−0 hi−0
Bp = 478 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =60
breakpoint: 10528113 − 10528179 hi−0 oy−0
Bp = 479 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =47
breakpoint: 10610642 − 10610676 oy−0 zu−0
Bp = 480 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =53
breakpoint: 10688733 − 10688745 zu−0 ler−0

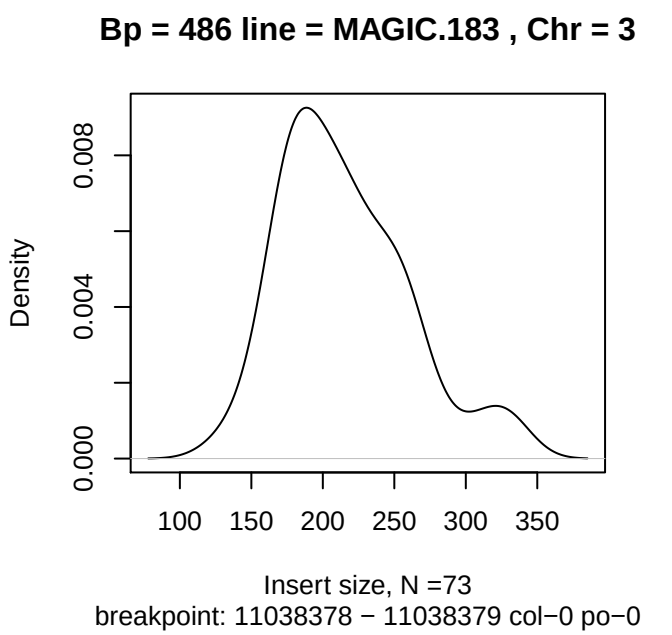

Bp = 481 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =49
breakpoint: 10712817 − 10712819 ler−0 rsch−4

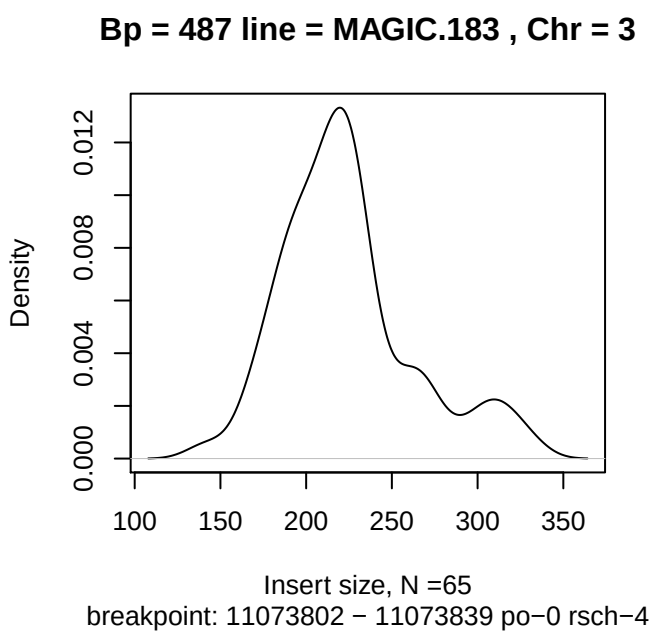

Bp = 482 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =53
breakpoint: 10822930 − 10822981 rsch−4 zu−0

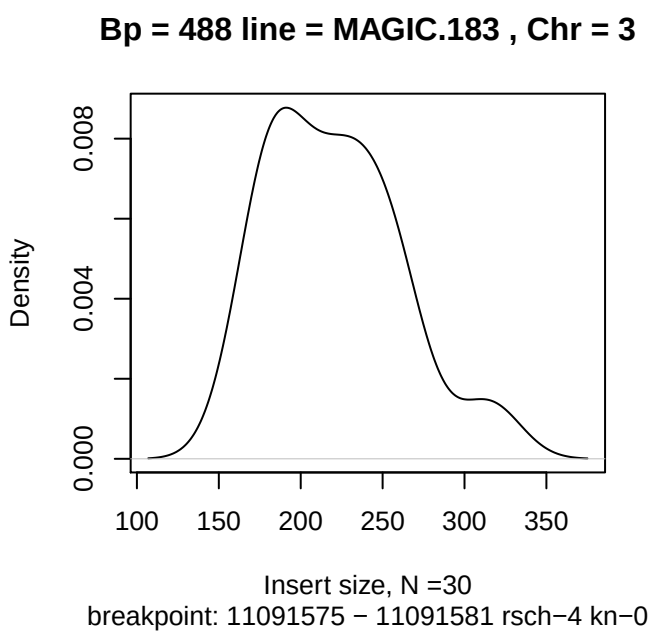

Bp = 483 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
500
Insert size, N =66
breakpoint: 10873802 − 10873866 zu−0 wu−0

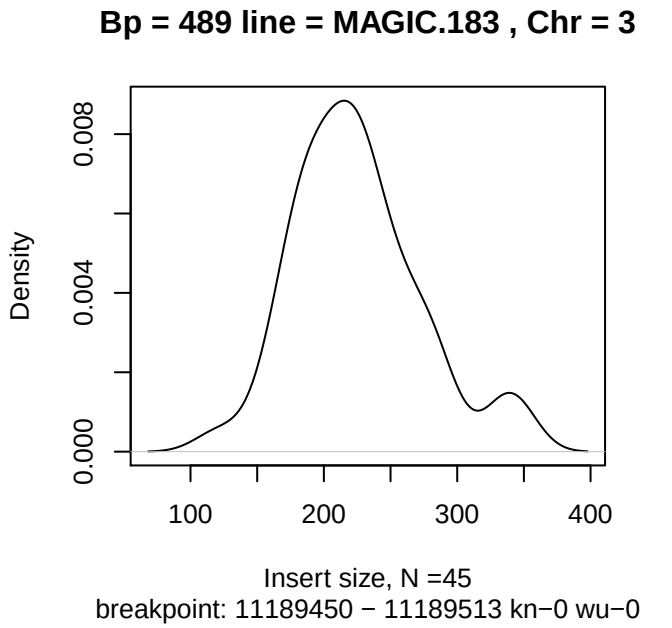

Bp = 484 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =77
breakpoint: 10893368 − 10893378 wu−0 po−0

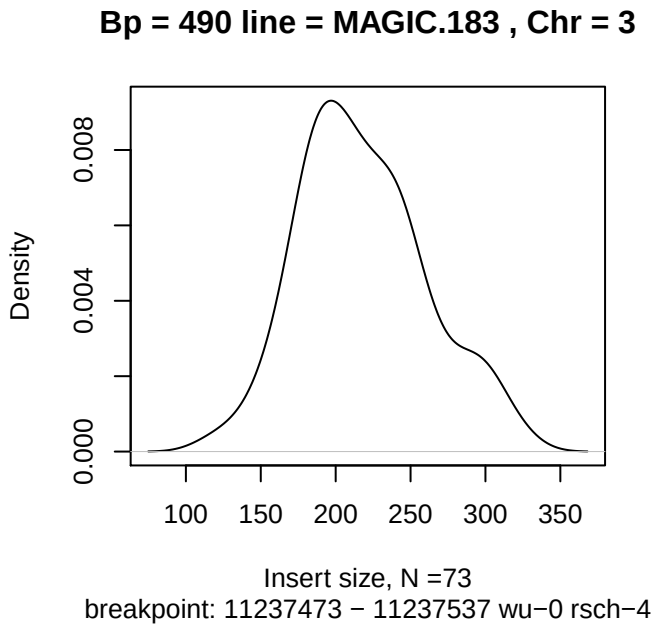

Bp = 485 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =24
breakpoint: 10956946 − 10956951 po−0 col−0

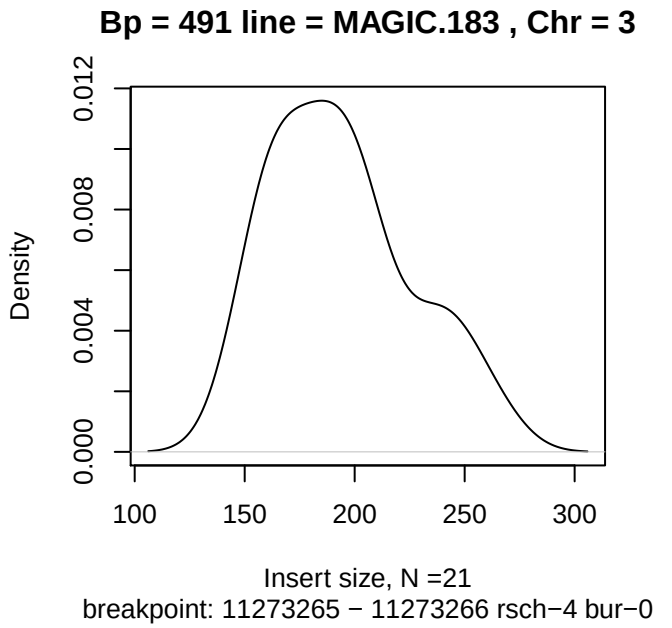

Bp = 486 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =73
breakpoint: 11038378 − 11038379 col−0 po−0

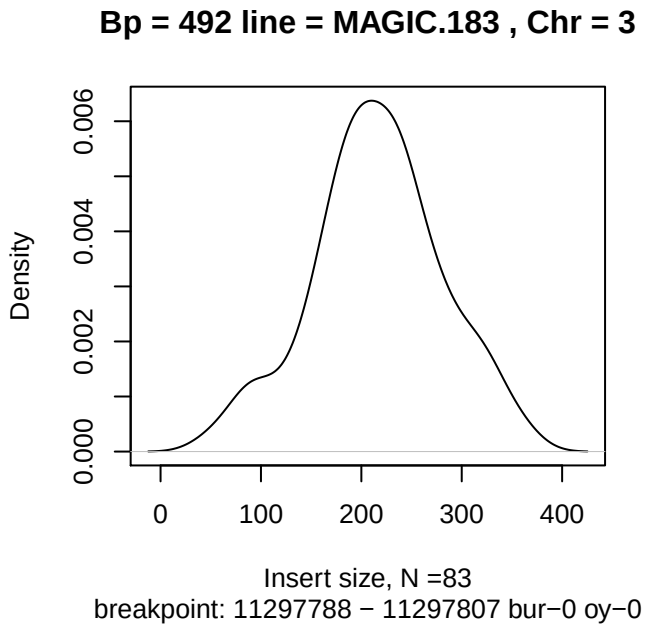

Bp = 487 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =65
breakpoint: 11073802 − 11073839 po−0 rsch−4

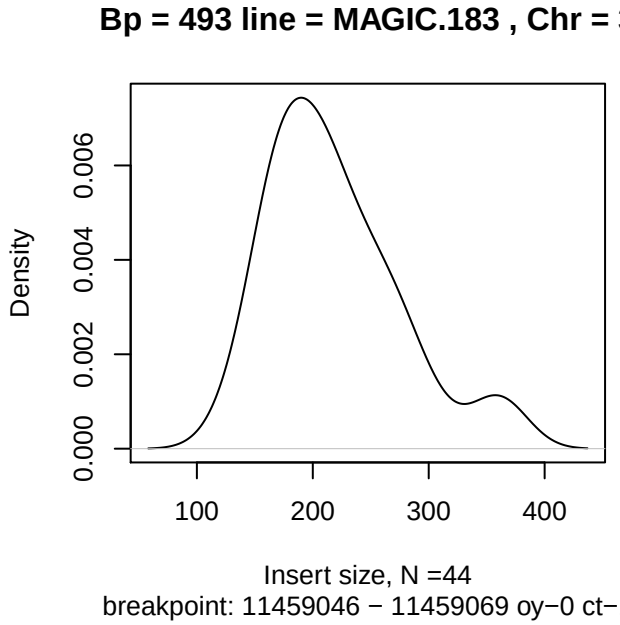

Bp = 488 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =30
breakpoint: 11091575 − 11091581 rsch−4 kn−0

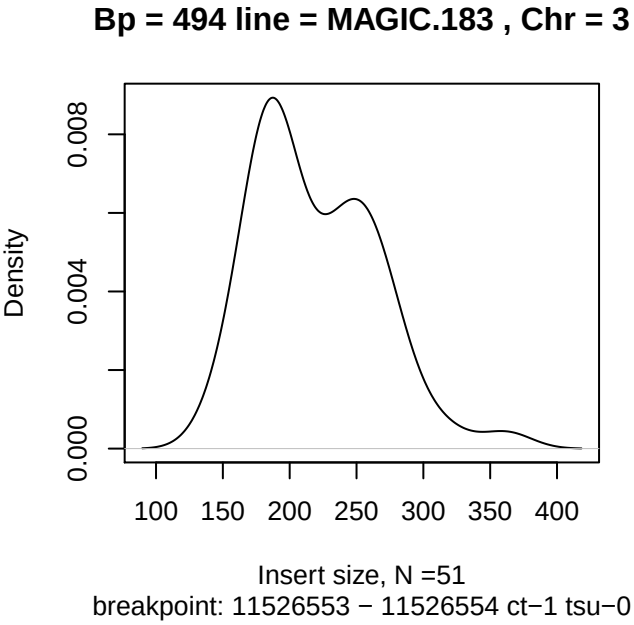

Bp = 489 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =45
breakpoint: 11189450 − 11189513 kn−0 wu−0

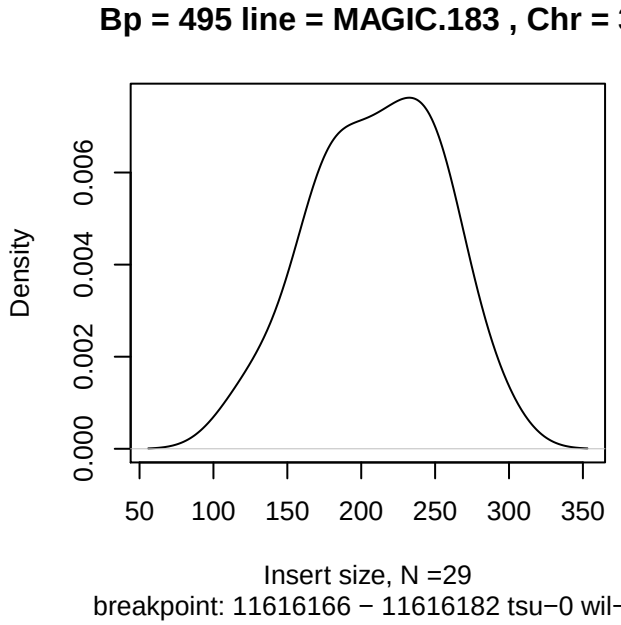

Bp = 490 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =73
breakpoint: 11237473 − 11237537 wu−0 rsch−4

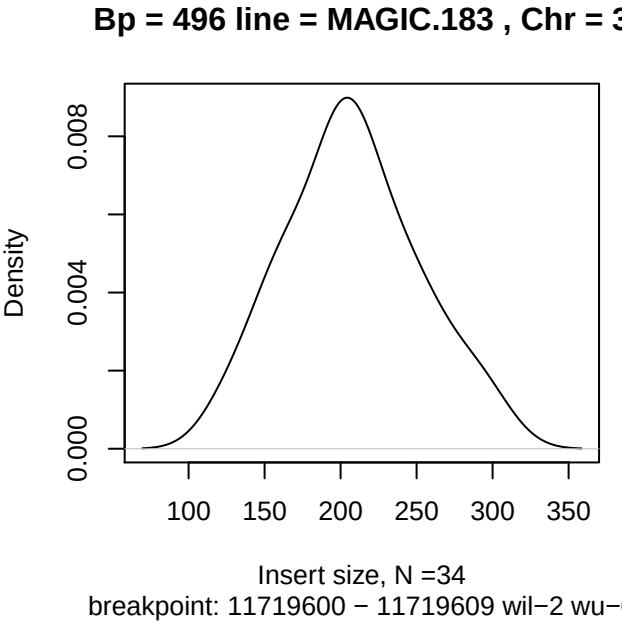

Bp = 491 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =21
breakpoint: 11273265 − 11273266 rsch−4 bur−0

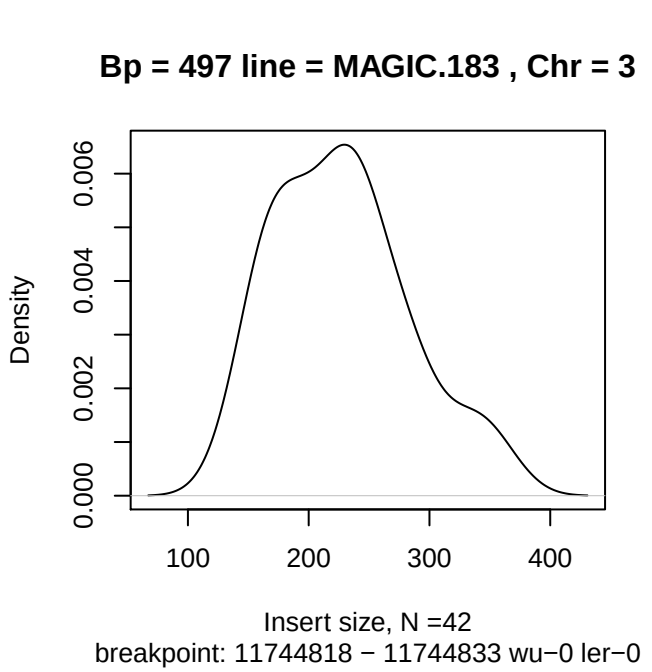

Bp = 492 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
0
100
200
300
400
Insert size, N =83
breakpoint: 11297788 − 11297807 bur−0 oy−0

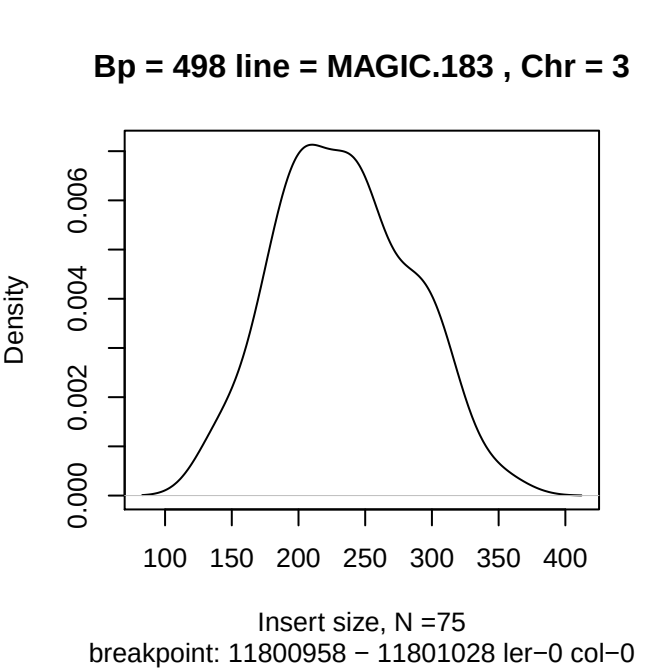

Bp = 493 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =44
breakpoint: 11459046 − 11459069 oy−0 ct−1

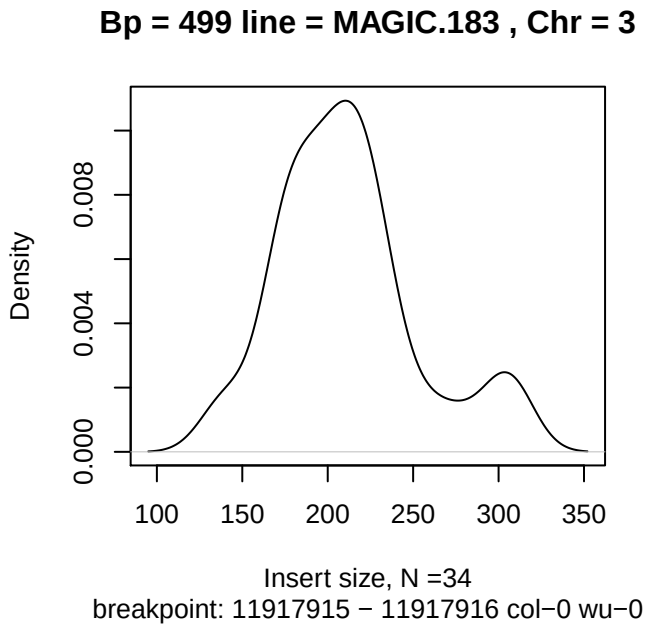

Bp = 494 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =51
breakpoint: 11526553 − 11526554 ct−1 tsu−0

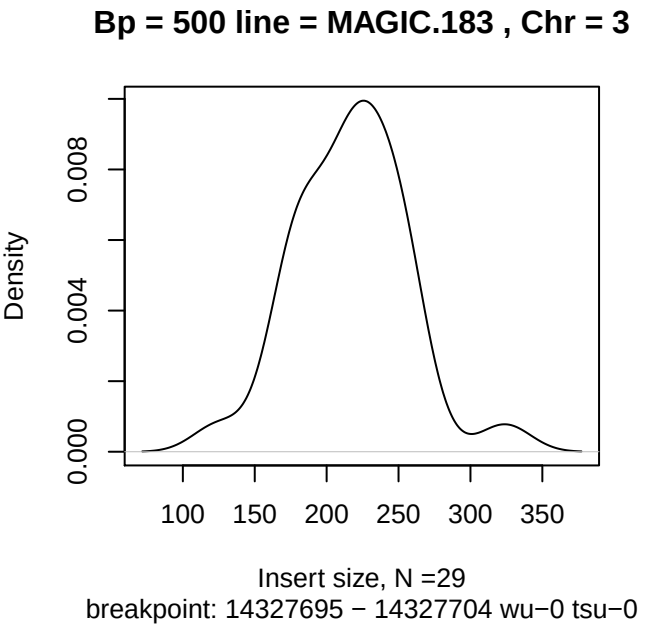

Bp = 495 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
50
100
150
200
250
300
350
Insert size, N =29
breakpoint: 11616166 − 11616182 tsu−0 wil−2

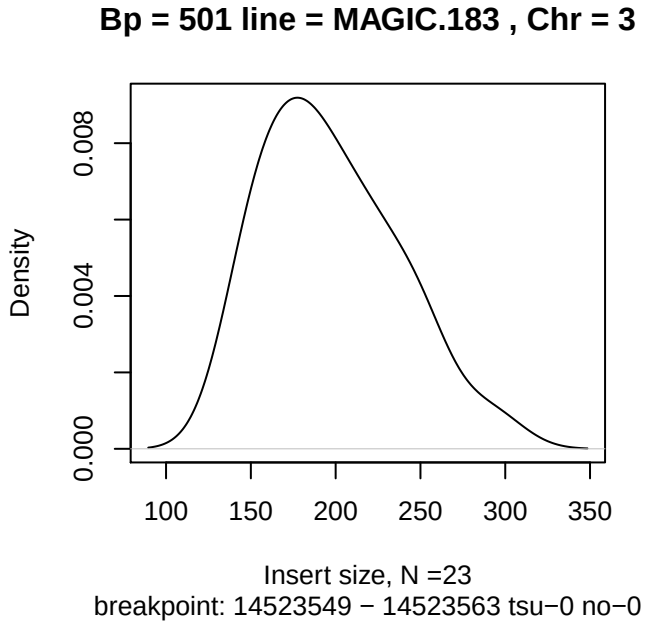

Bp = 496 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =34
breakpoint: 11719600 − 11719609 wil−2 wu−0

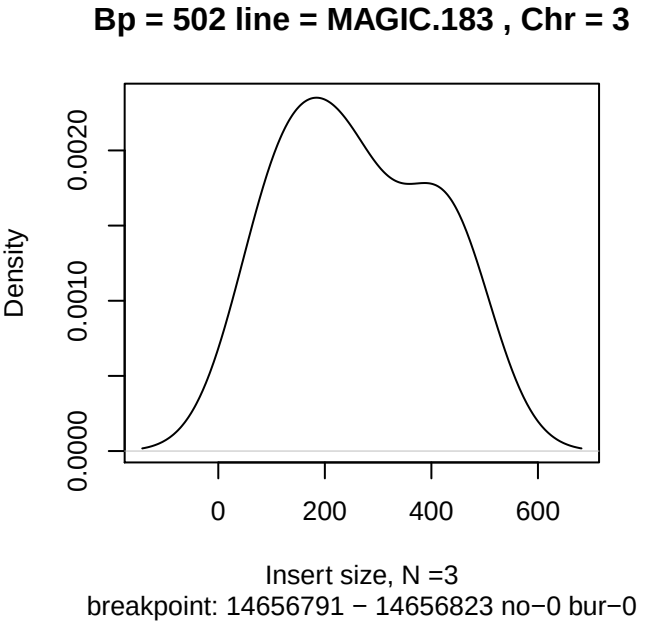

Bp = 497 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =42
breakpoint: 11744818 − 11744833 wu−0 ler−0

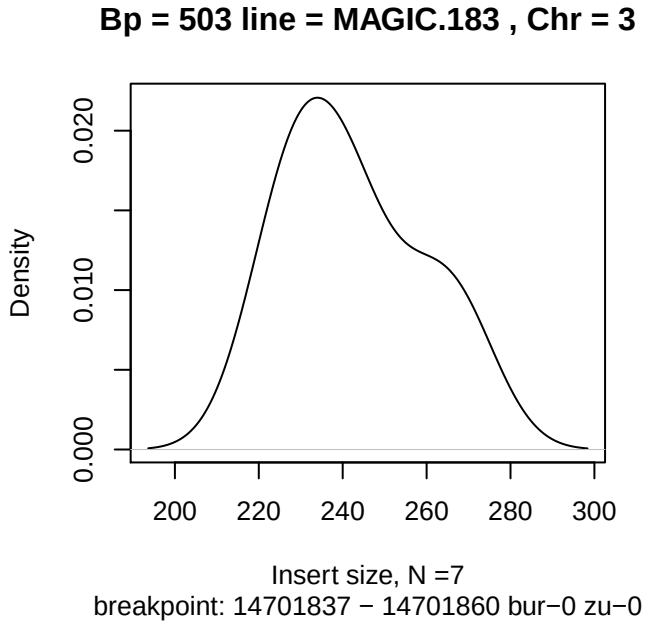

Bp = 498 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =75
breakpoint: 11800958 − 11801028 ler−0 col−0

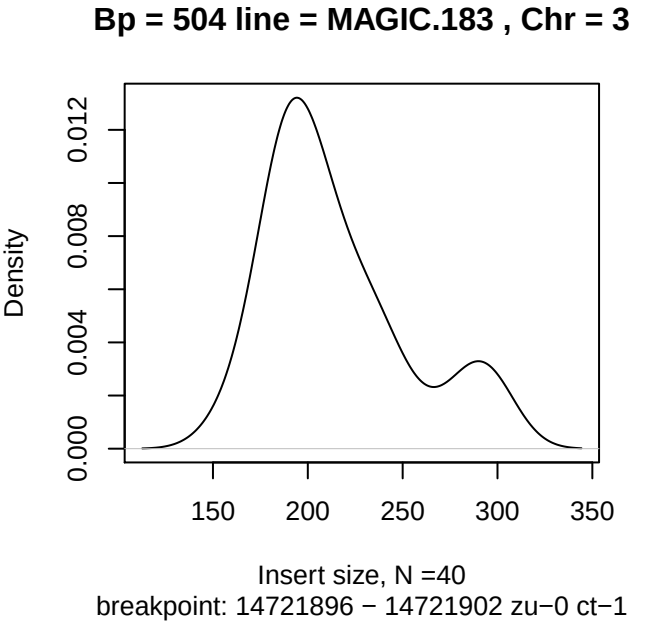

Bp = 499 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =34
breakpoint: 11917915 − 11917916 col−0 wu−0

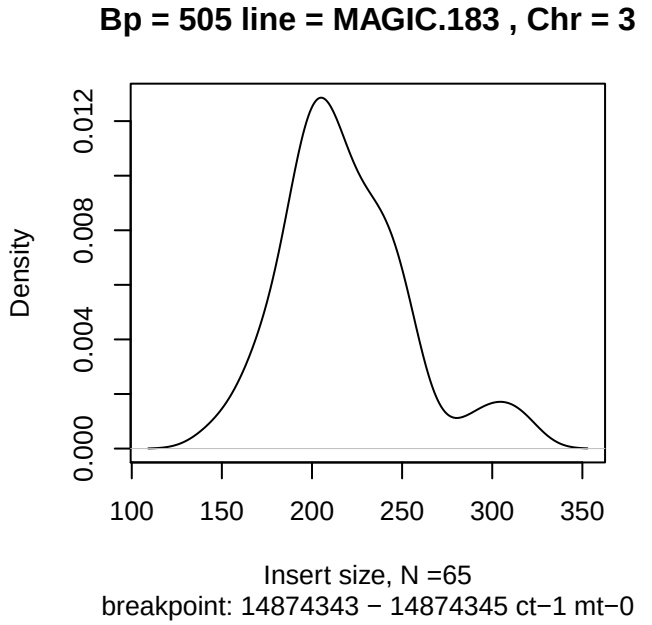

Bp = 500 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =29
breakpoint: 14327695 − 14327704 wu−0 tsu−0

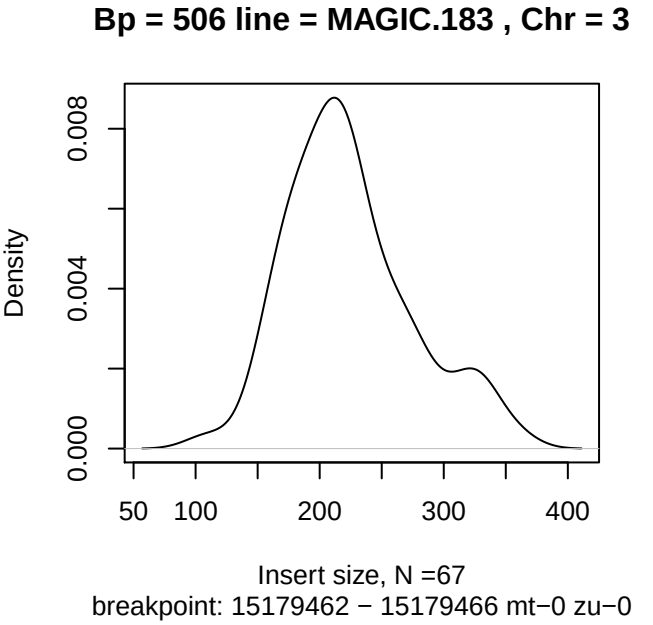

Bp = 501 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =23
breakpoint: 14523549 − 14523563 tsu−0 no−0

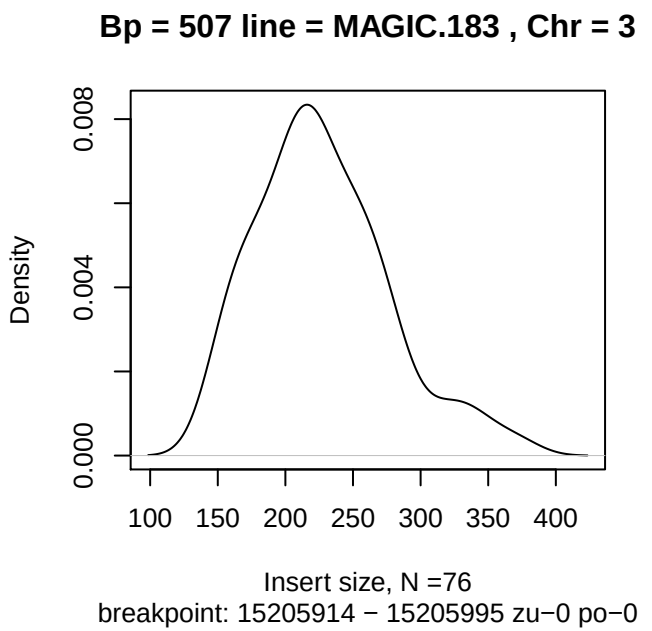

Bp = 502 line = MAGIC.183 , Chr = 3
Density
0.0000
0.0010
0.0020
0
200
400
600
Insert size, N =3
breakpoint: 14656791 − 14656823 no−0 bur−0

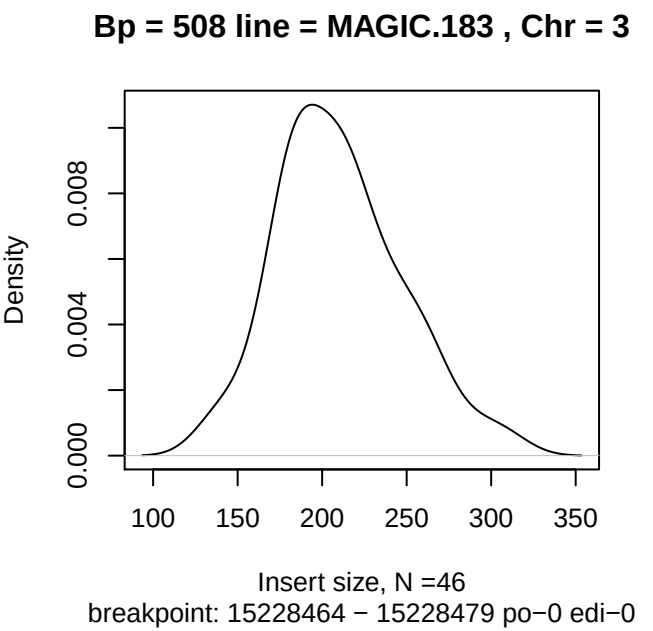

Bp = 503 line = MAGIC.183 , Chr = 3
Density
0.000
0.010
0.020
200
220
240
260
280
300
Insert size, N =7
breakpoint: 14701837 − 14701860 bur−0 zu−0

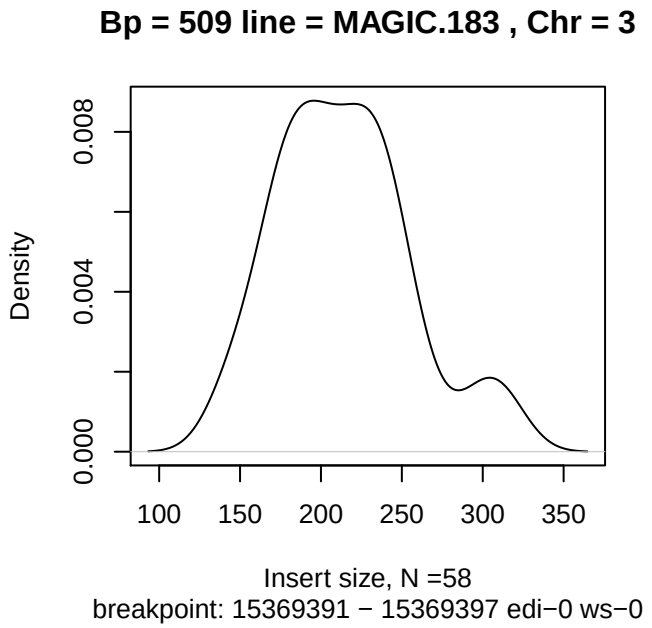

Bp = 504 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
150
200
250
300
350
Insert size, N =40
breakpoint: 14721896 − 14721902 zu−0 ct−1

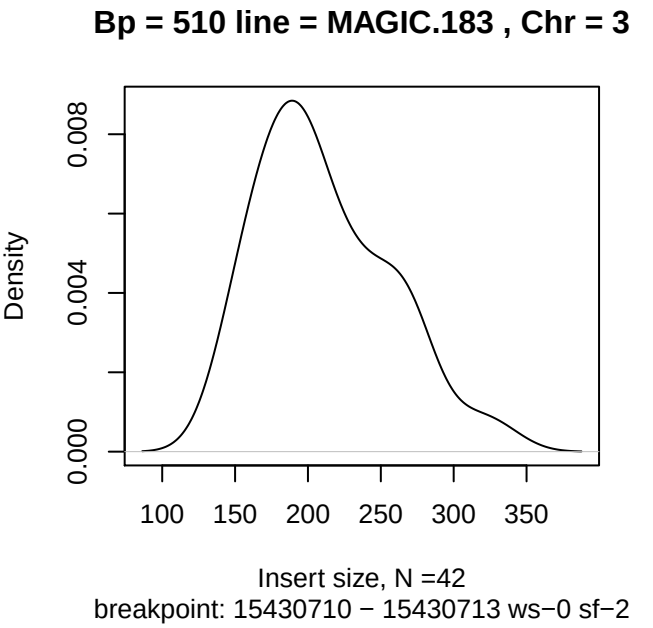

Bp = 505 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =65
breakpoint: 14874343 − 14874345 ct−1 mt−0

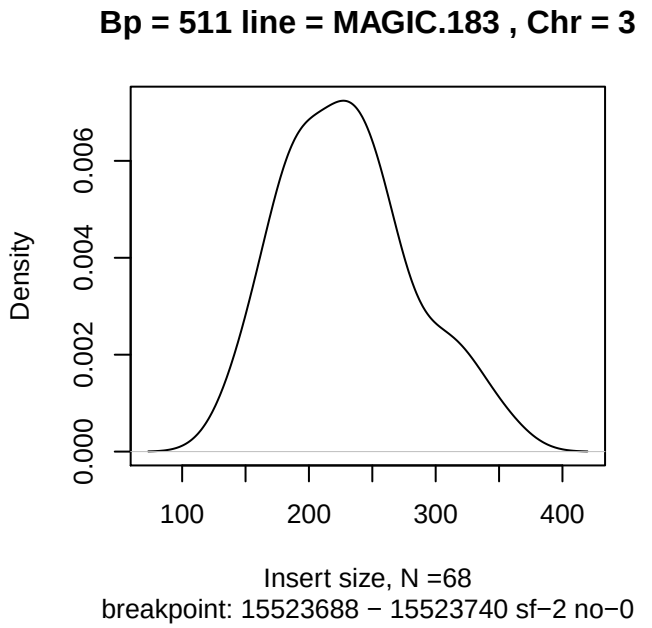

Bp = 506 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =67
breakpoint: 15179462 − 15179466 mt−0 zu−0

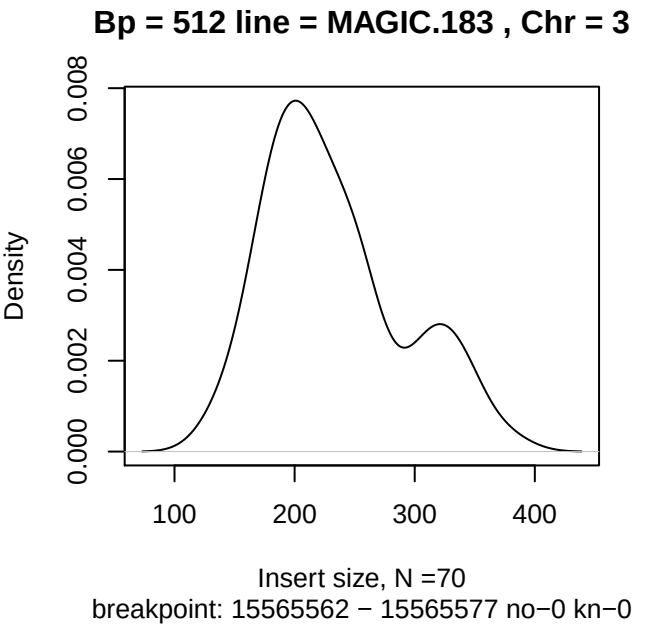

Bp = 507 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =76
breakpoint: 15205914 − 15205995 zu−0 po−0

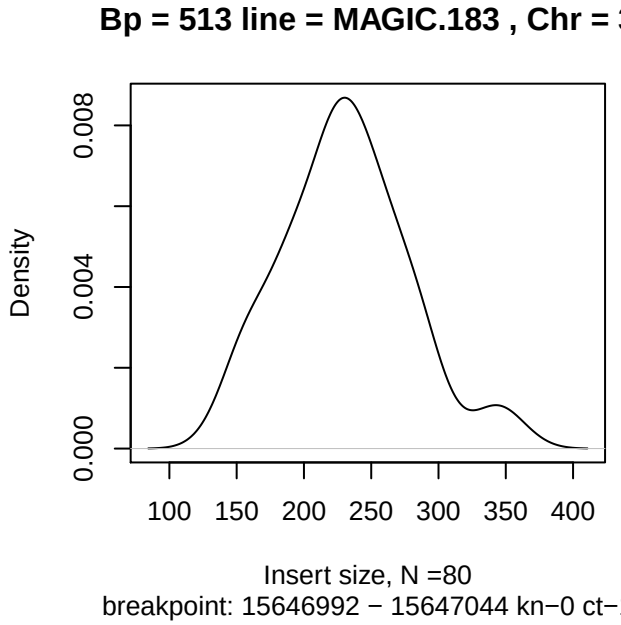

Bp = 508 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =46
breakpoint: 15228464 − 15228479 po−0 edi−0

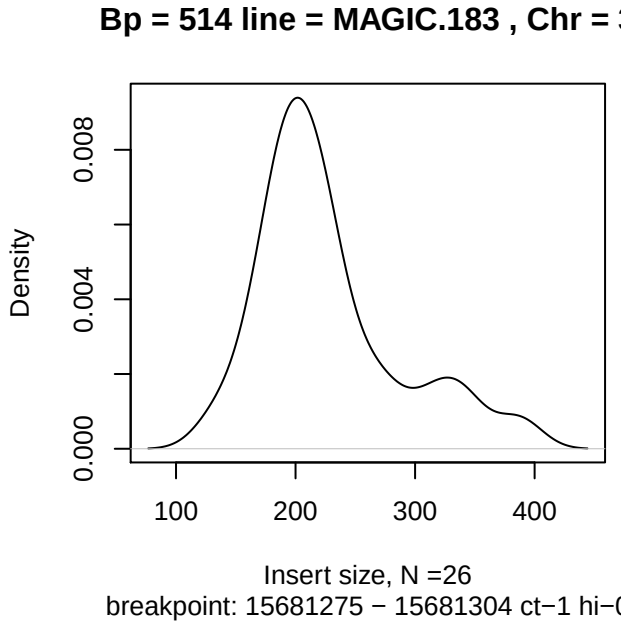

Bp = 509 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =58
breakpoint: 15369391 − 15369397 edi−0 ws−0

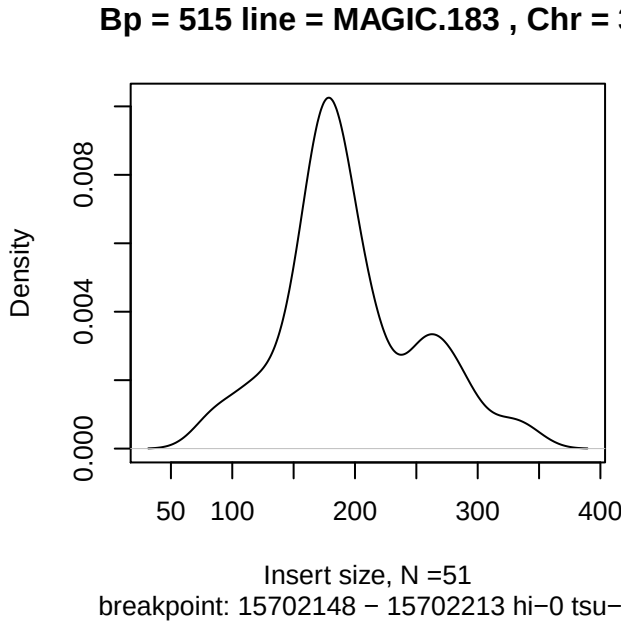

Bp = 510 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =42
breakpoint: 15430710 − 15430713 ws−0 sf−2

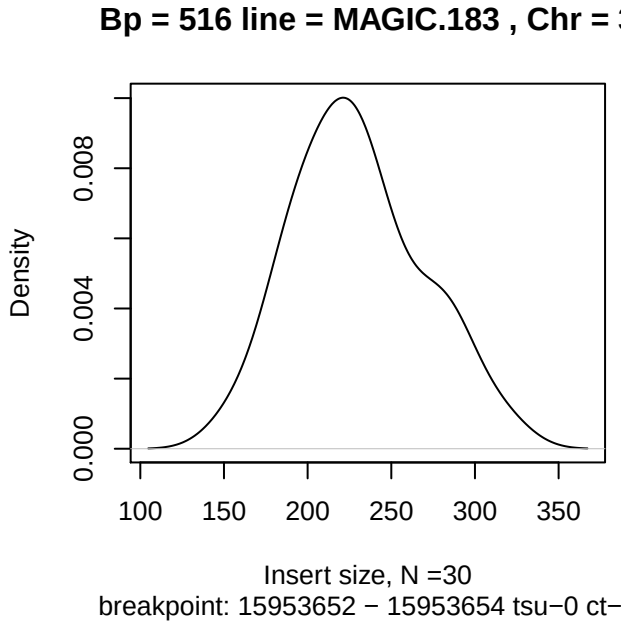

Bp = 511 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =68
breakpoint: 15523688 − 15523740 sf−2 no−0

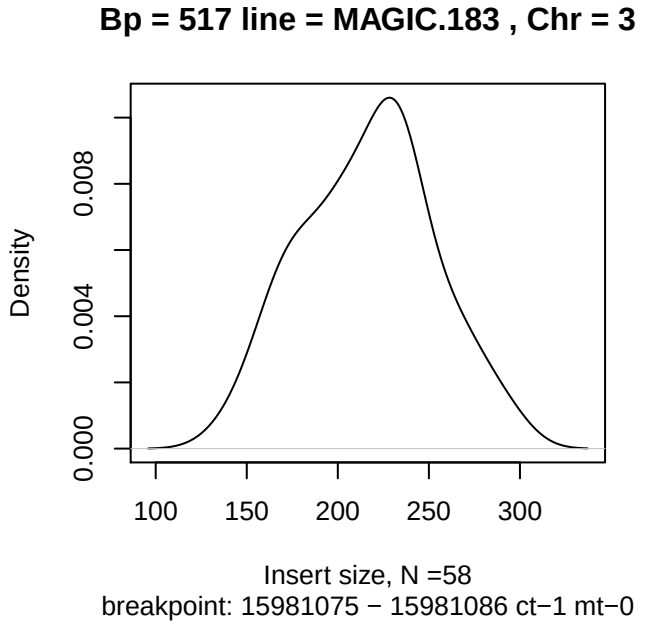

Bp = 512 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =70
breakpoint: 15565562 − 15565577 no−0 kn−0

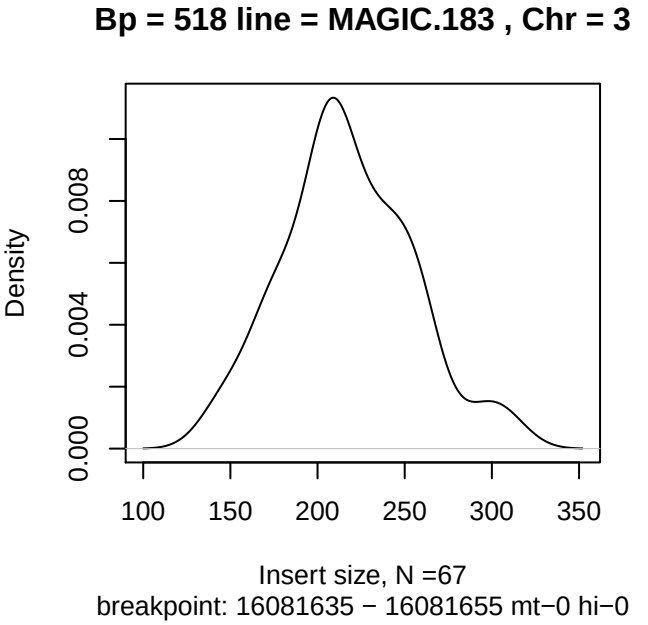

Bp = 513 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100 150 200 250 300 350 400
Insert size, N =80
breakpoint: 15646992 − 15647044 kn−0 ct−1

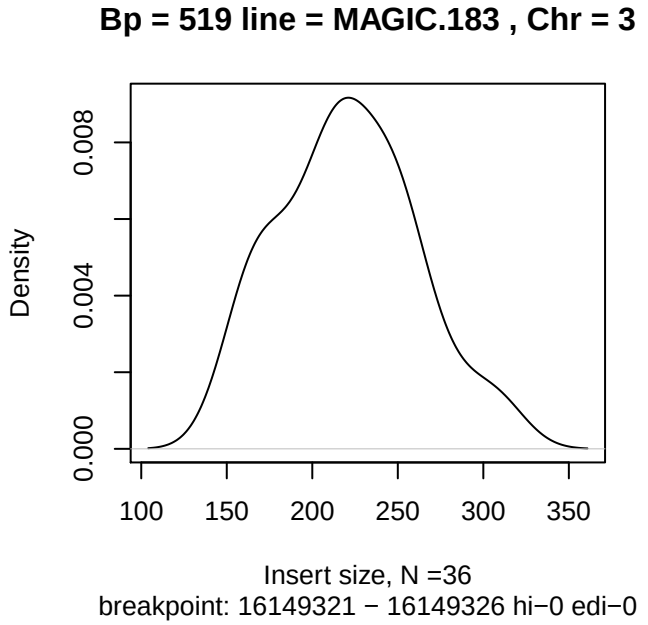

Bp = 514 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100 200 300 400
Insert size, N =26
breakpoint: 15681275 − 15681304 ct−1 hi−0

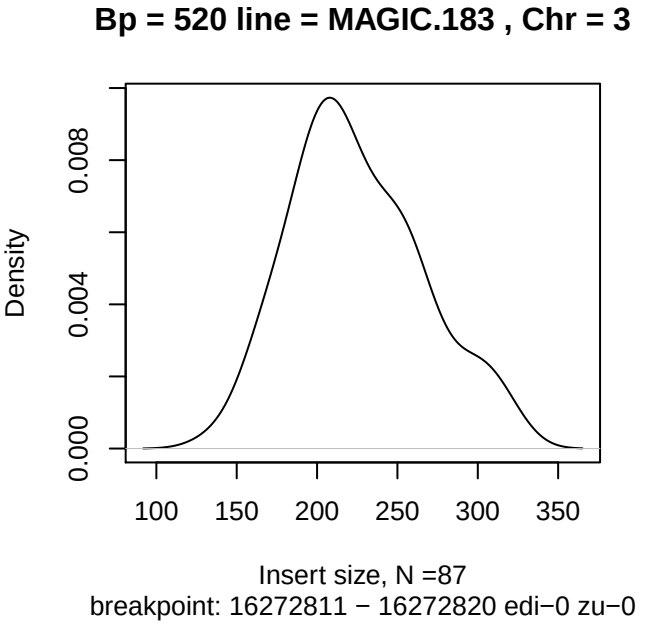

Bp = 515 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
50 100 200 300 400
Insert size, N =51
breakpoint: 15702148 − 15702213 hi−0 tsu−0

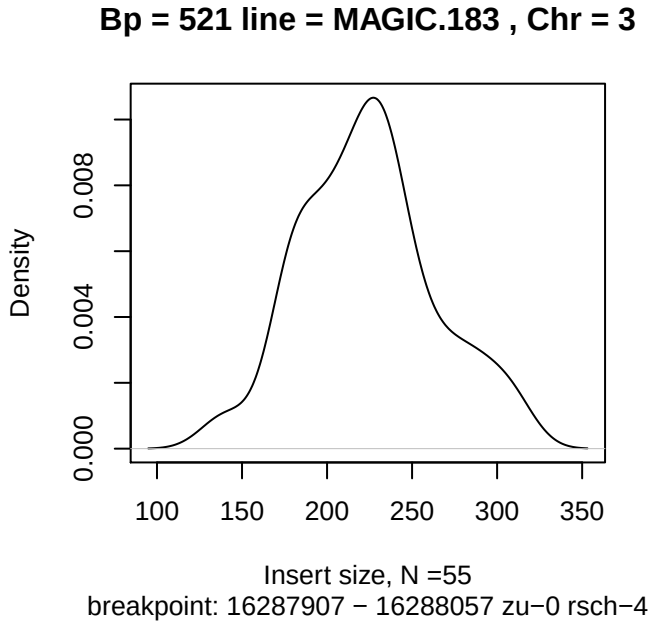

Bp = 516 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100 150 200 250 300 350
Insert size, N =30
breakpoint: 15953652 − 15953654 tsu−0 ct−1

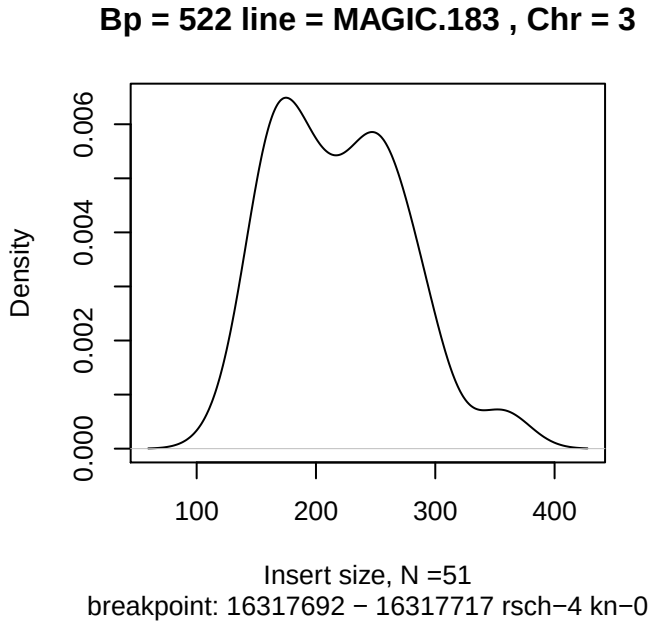

Bp = 517 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =58
breakpoint: 15981075 − 15981086 ct−1 mt−0

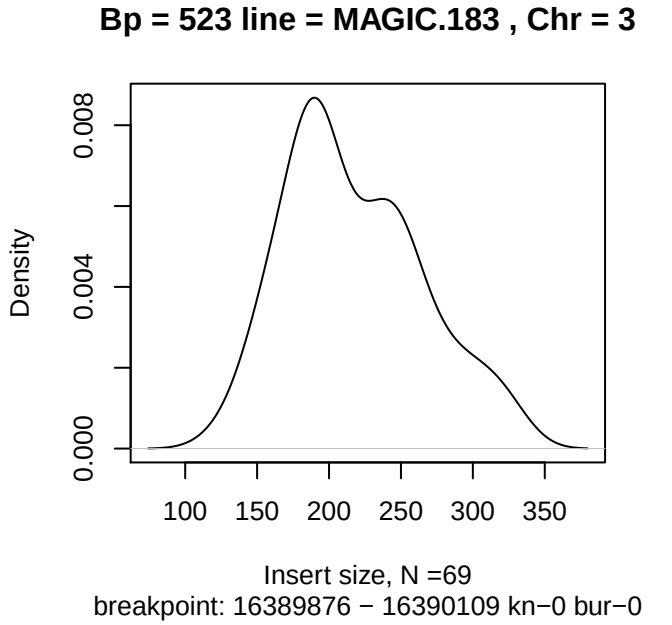

Bp = 518 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =67
breakpoint: 16081635 − 16081655 mt−0 hi−0

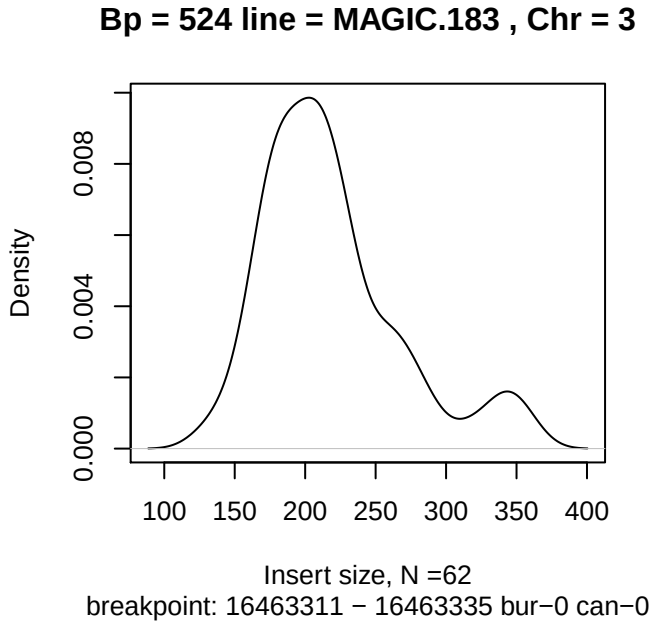

Bp = 519 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =36
breakpoint: 16149321 − 16149326 hi−0 edi−0

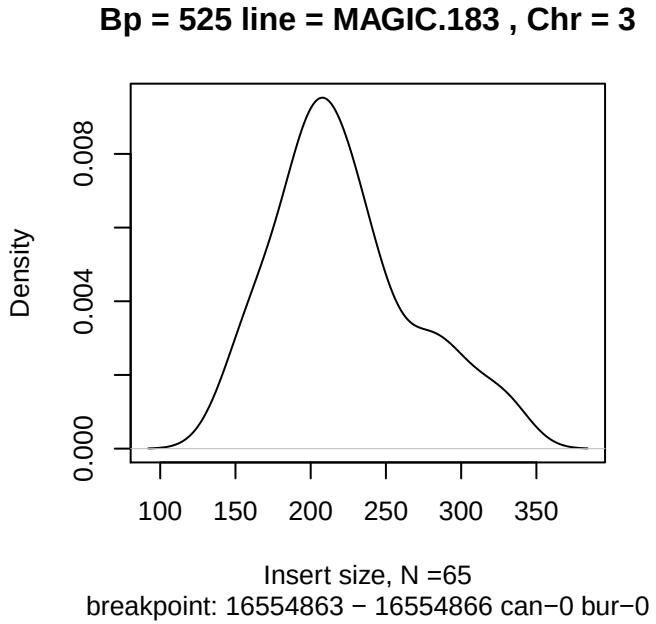

Bp = 520 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =87
breakpoint: 16272811 − 16272820 edi−0 zu−0

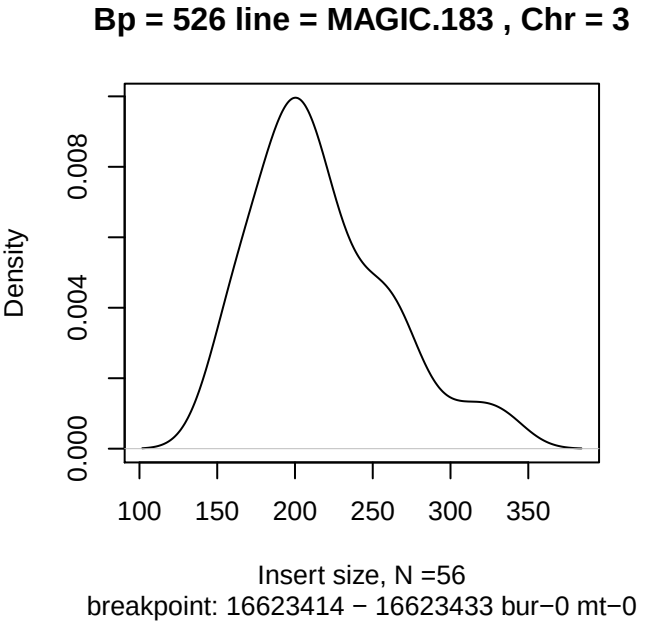

Bp = 521 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 16287907 − 16288057 zu−0 rsch−4


Bp = 522 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =51
breakpoint: 16317692 − 16317717 rsch−4 kn−0


Bp = 523 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =69
breakpoint: 16389876 − 16390109 kn−0 bur−0


Bp = 524 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =62
breakpoint: 16463311 − 16463335 bur−0 can−0


Bp = 525 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =65
breakpoint: 16554863 − 16554866 can−0 bur−0


Bp = 526 line = MAGIC.183 , Chr = 3
Density
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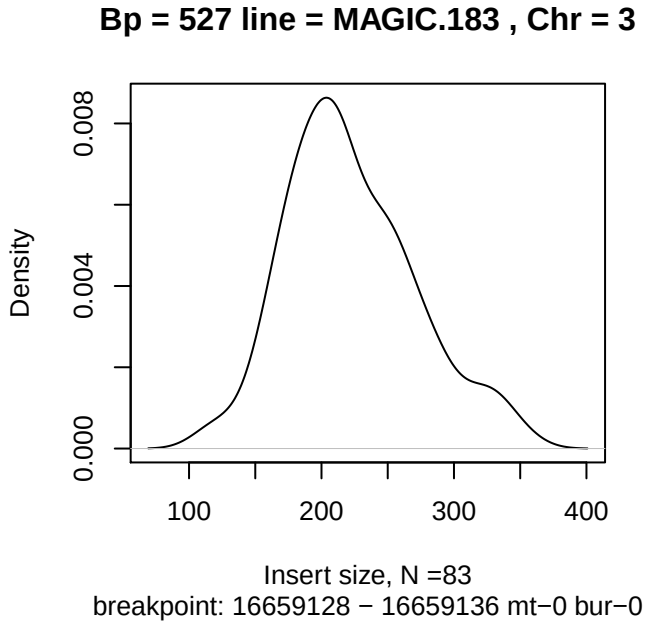
0.004
0.008
100
150
200
250
300
350
Insert size, N =56
breakpoint: 16623414 − 16623433 bur−0 mt−0


Bp = 527 line = MAGIC.183 , Chr = 3
Density
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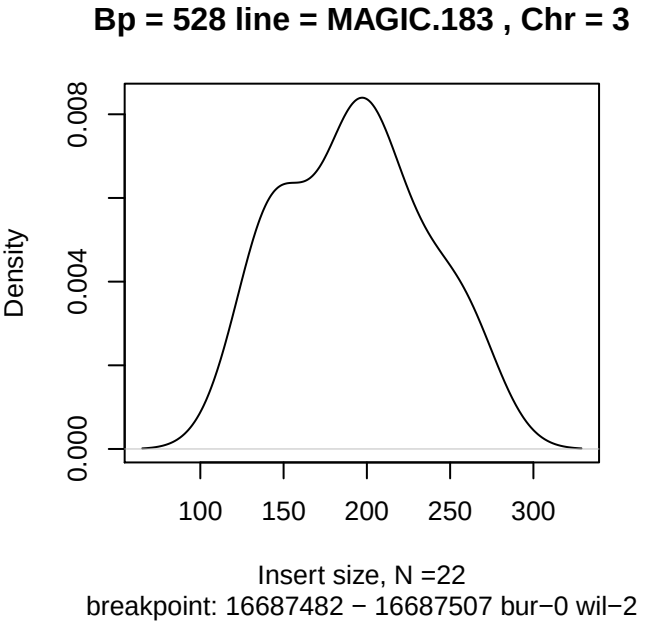
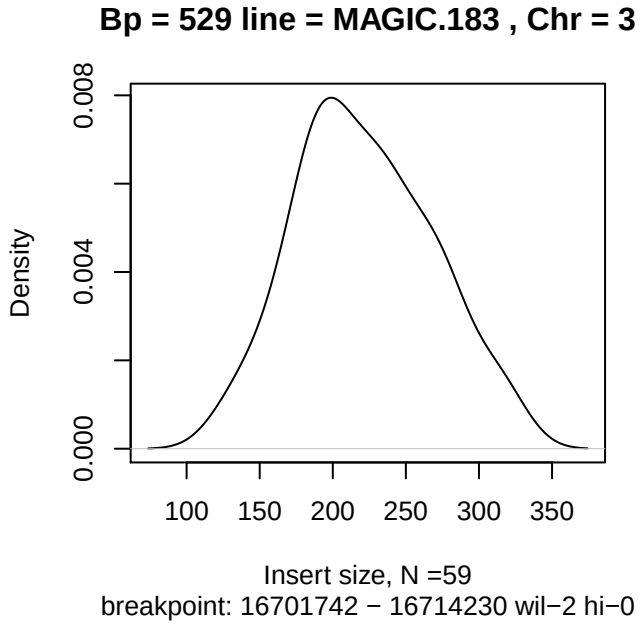
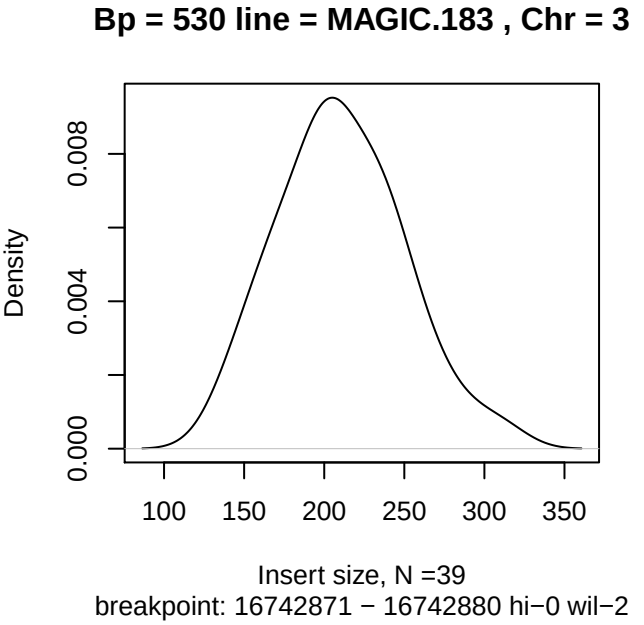
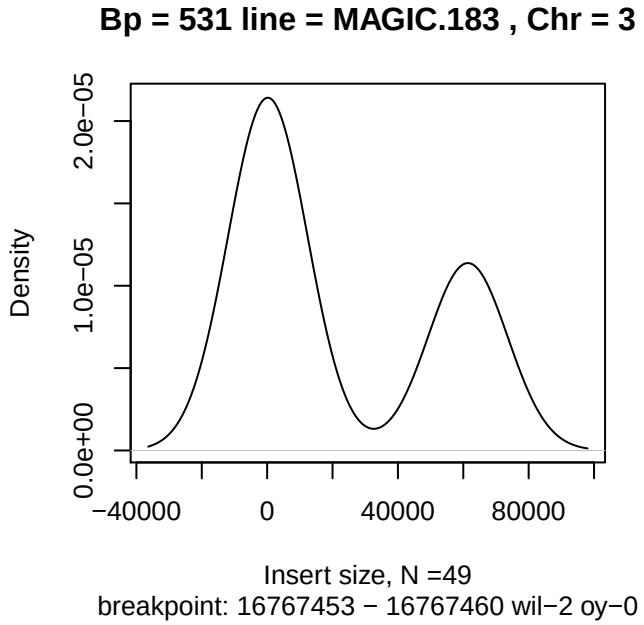
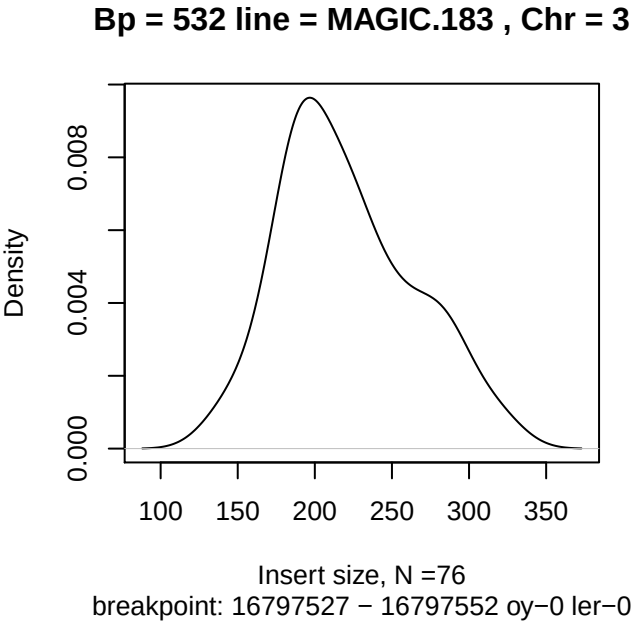
0.004
0.008
100
200
300
400
Insert size, N =83
breakpoint: 16659128 − 16659136 mt−0 bur−0

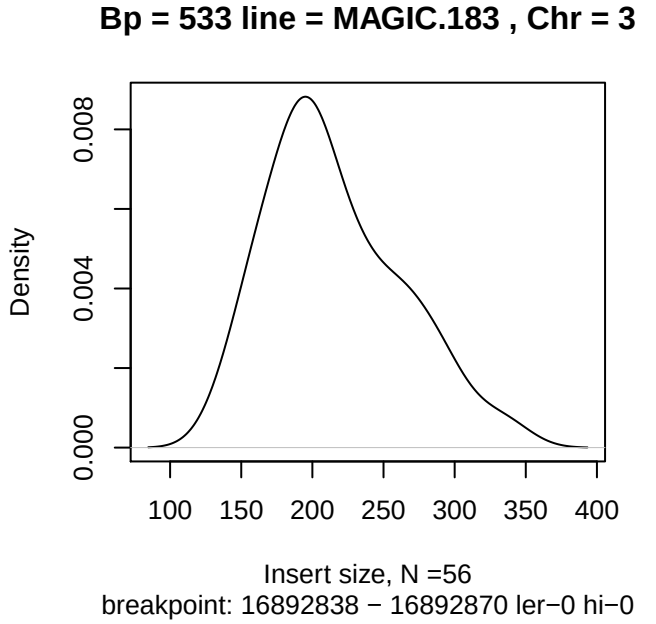

Bp = 528 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =22
breakpoint: 16687482 − 16687507 bur−0 wil−2

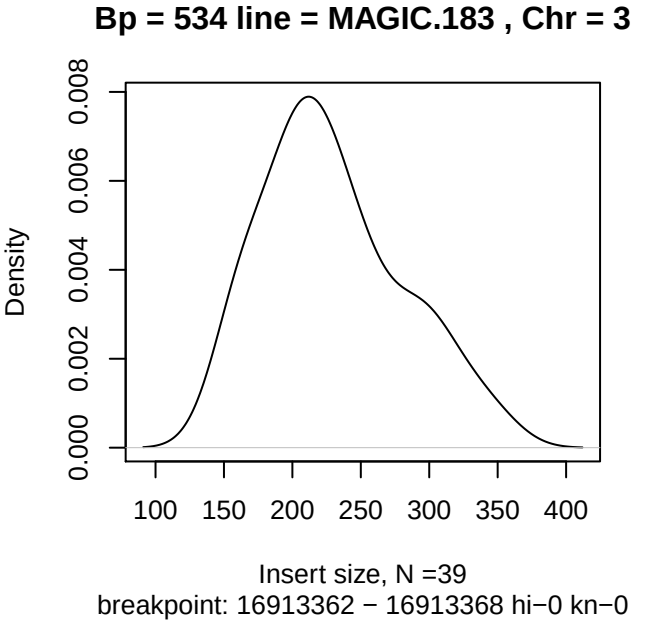

Bp = 529 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =59
breakpoint: 16701742 − 16714230 wil−2 hi−0

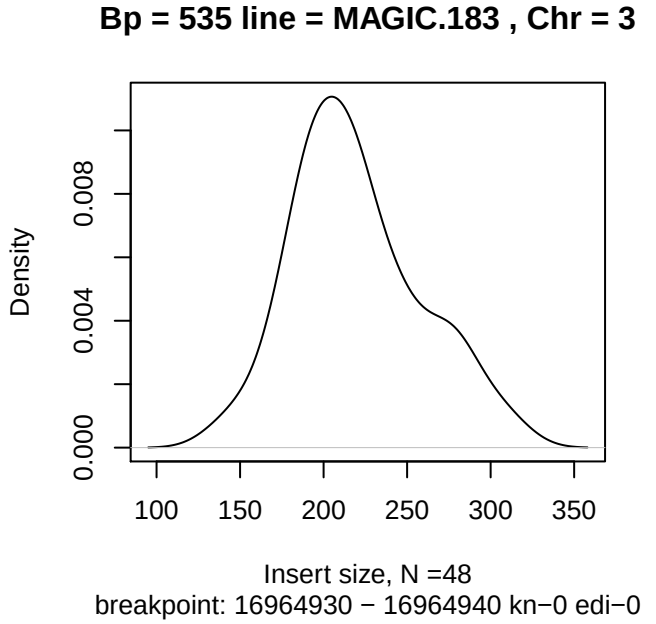

Bp = 530 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 16742871 − 16742880 hi−0 wil−2

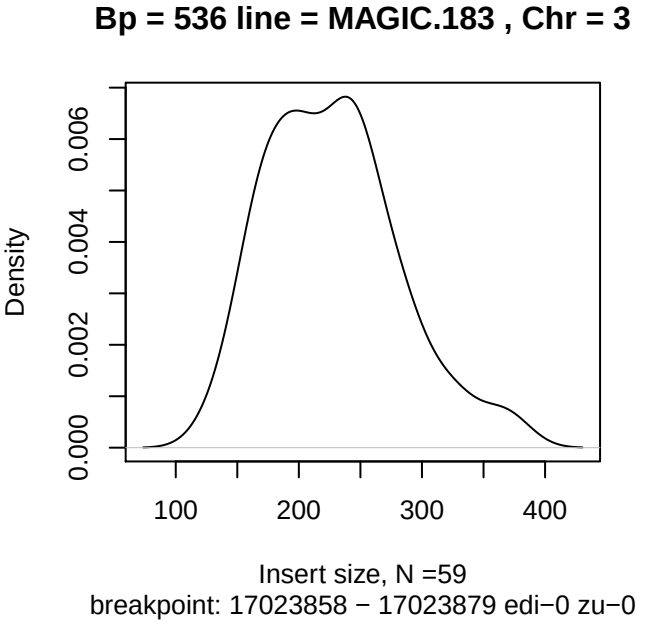

Bp = 531 line = MAGIC.183 , Chr = 3
Density
0.0e+00
1.0e−05
2.0e−05
−40000
0
40000
80000
Insert size, N =49
breakpoint: 16767453 − 16767460 wil−2 oy−0

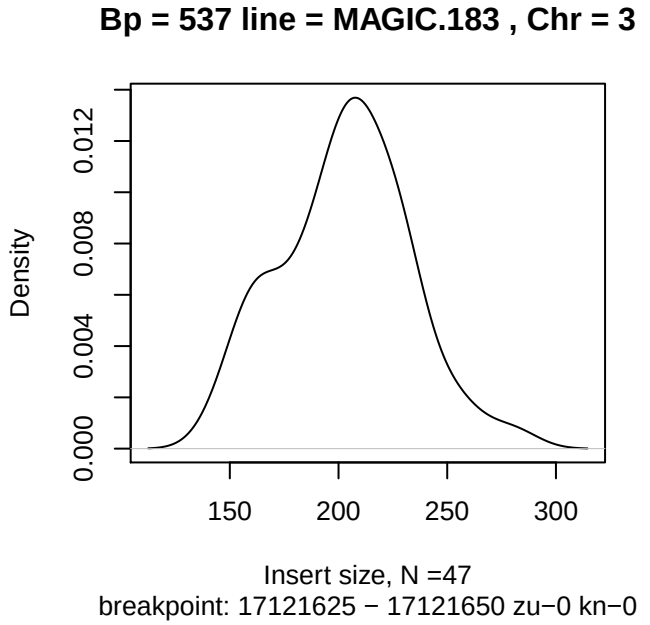

Bp = 532 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =76
breakpoint: 16797527 − 16797552 oy−0 ler−0

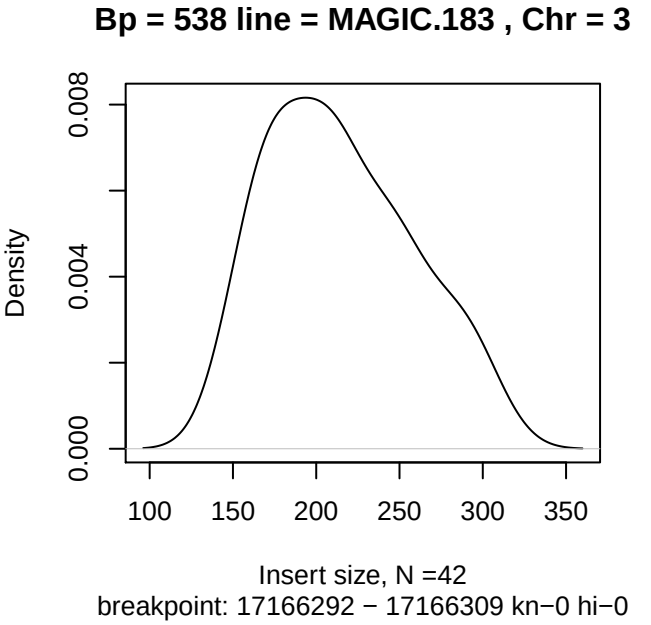

Bp = 533 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =56
breakpoint: 16892838 − 16892870 ler−0 hi−0

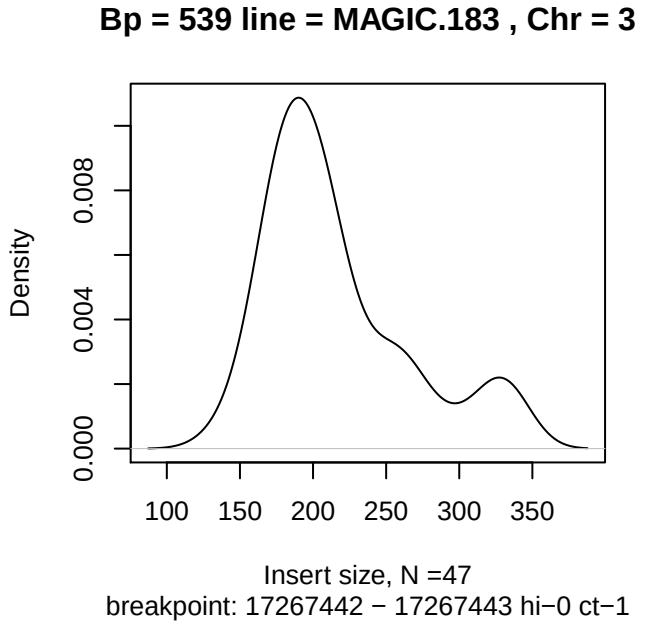

Bp = 534 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =39
breakpoint: 16913362 − 16913368 hi−0 kn−0

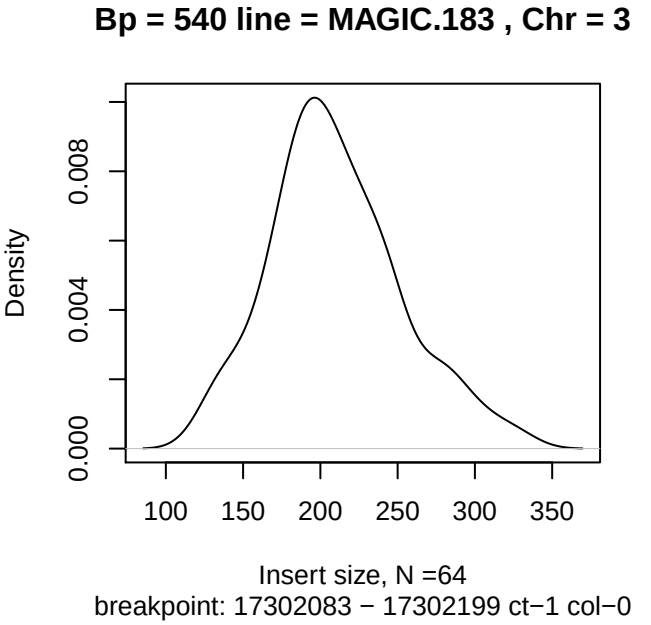

Bp = 535 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 16964930 − 16964940 kn−0 edi−0

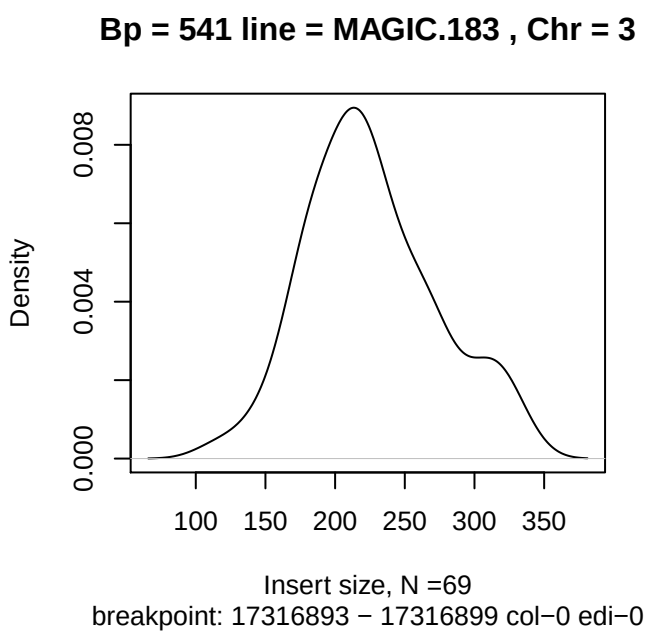

Bp = 536 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =59
breakpoint: 17023858 − 17023879 edi−0 zu−0

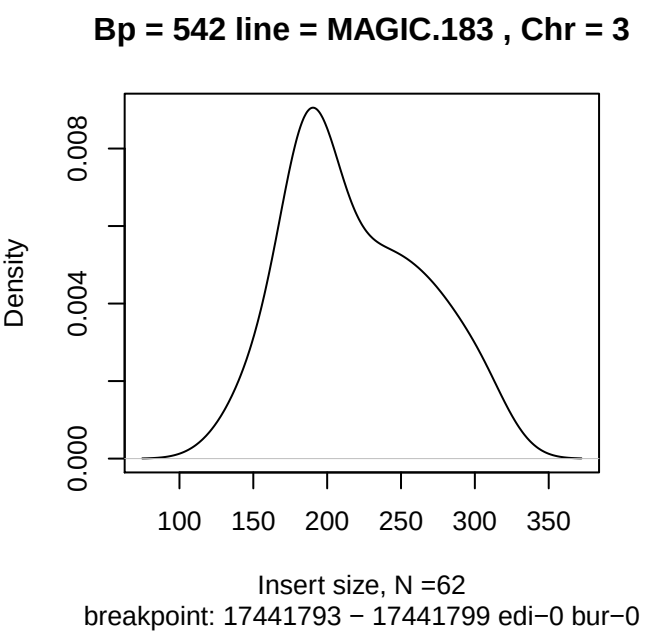

Bp = 537 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
0.012
150
200
250
300
Insert size, N =47
breakpoint: 17121625 − 17121650 zu−0 kn−0

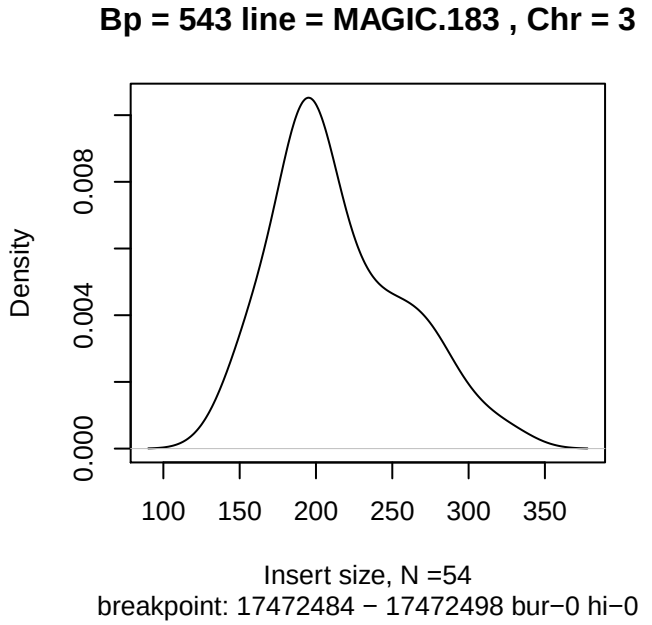

Bp = 538 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =42
breakpoint: 17166292 − 17166309 kn−0 hi−0

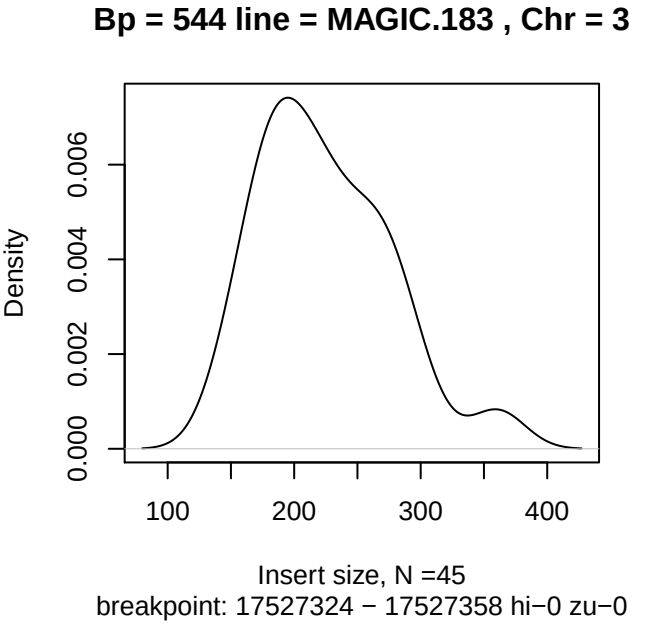

Bp = 539 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =47
breakpoint: 17267442 − 17267443 hi−0 ct−1

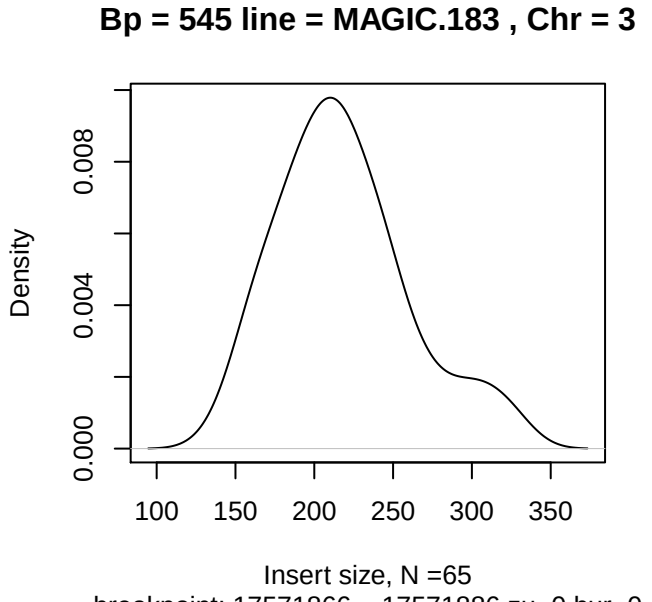

Bp = 540 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =64
breakpoint: 17302083 − 17302199 ct−1 col−0

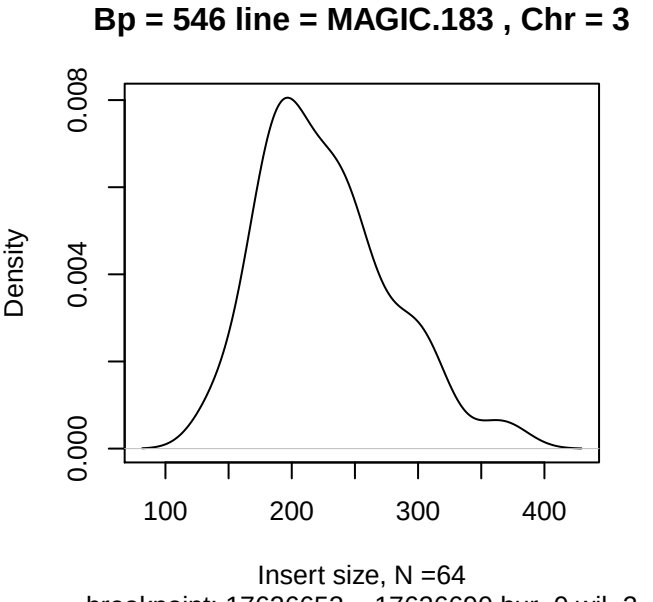

Bp = 541 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =69
breakpoint: 17316893 − 17316899 col−0 edi−0

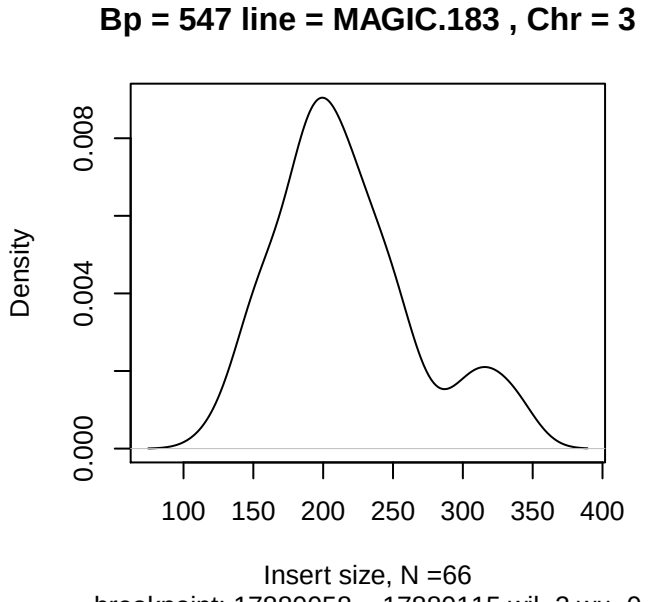

Bp = 542 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =62
breakpoint: 17441793 − 17441799 edi−0 bur−0

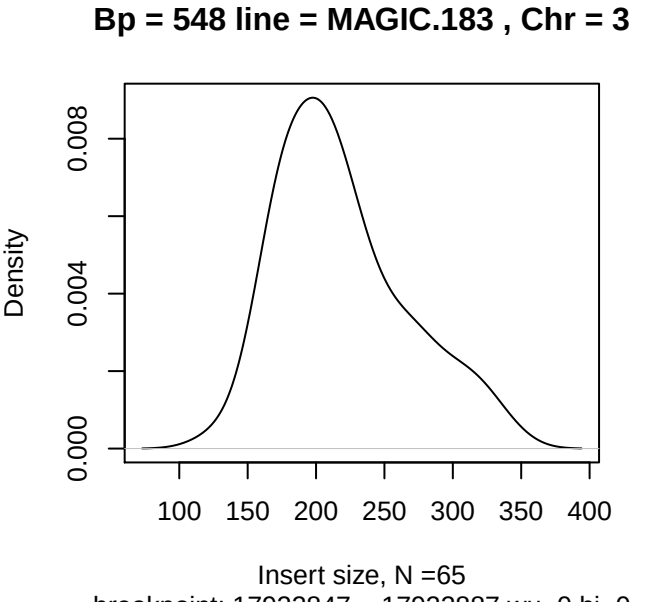

Bp = 543 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =54
breakpoint: 17472484 − 17472498 bur−0 hi−0

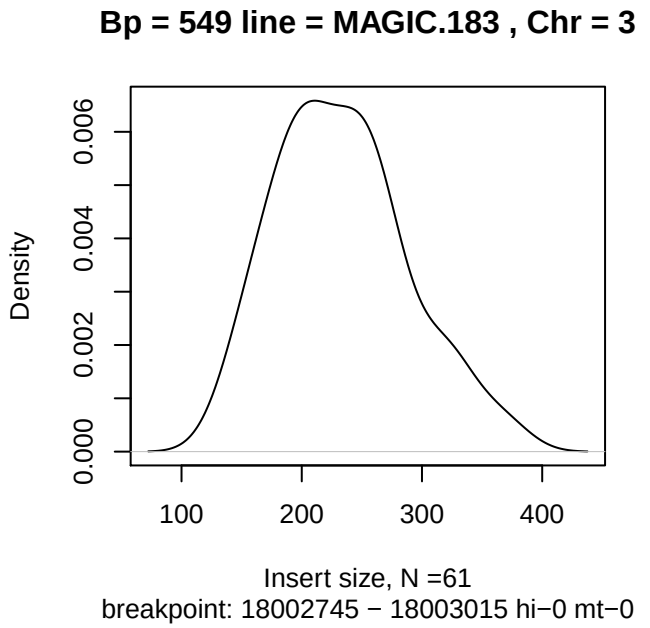

Bp = 544 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =45
breakpoint: 17527324 − 17527358 hi−0 zu−0


Bp = 545 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =65
breakpoint: 17571866 − 17571886 zu−0 bur−0


Bp = 546 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =64
breakpoint: 17626653 − 17626690 bur−0 wil−2


Bp = 547 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =66
breakpoint: 17880058 − 17880115 wil−2 wu−0


Bp = 548 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =65
breakpoint: 17922847 − 17922887 wu−0 hi−0


Bp = 549 line = MAGIC.183 , Chr = 3
Density
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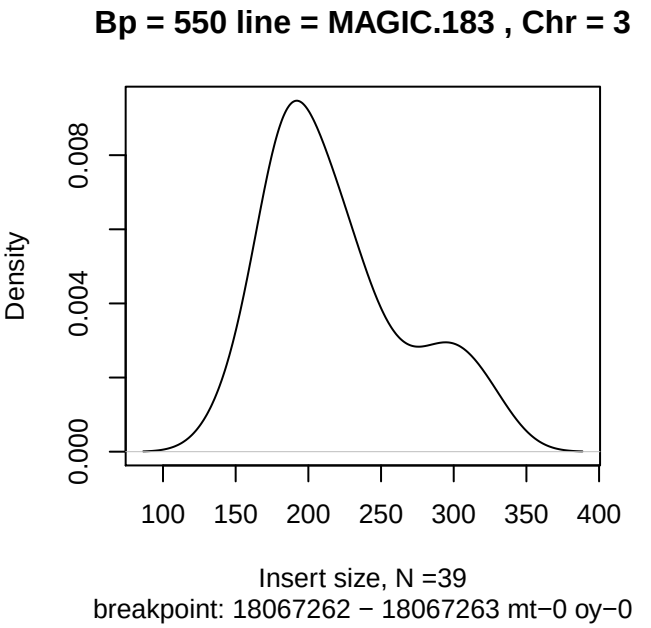
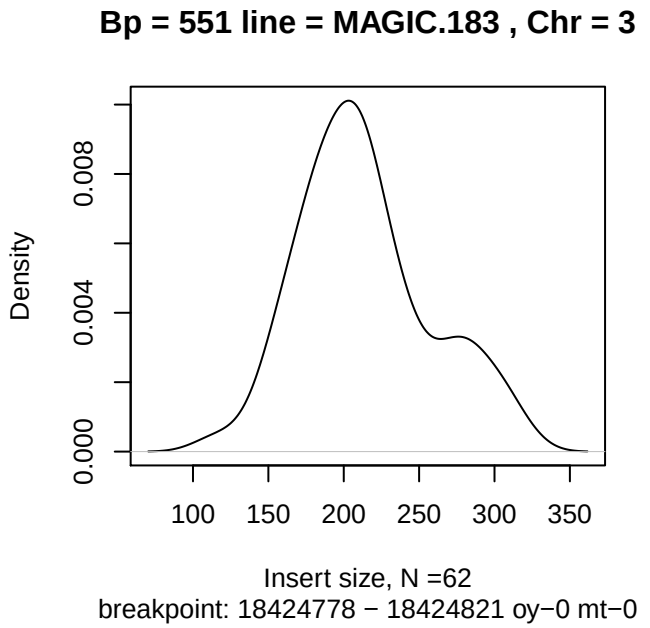
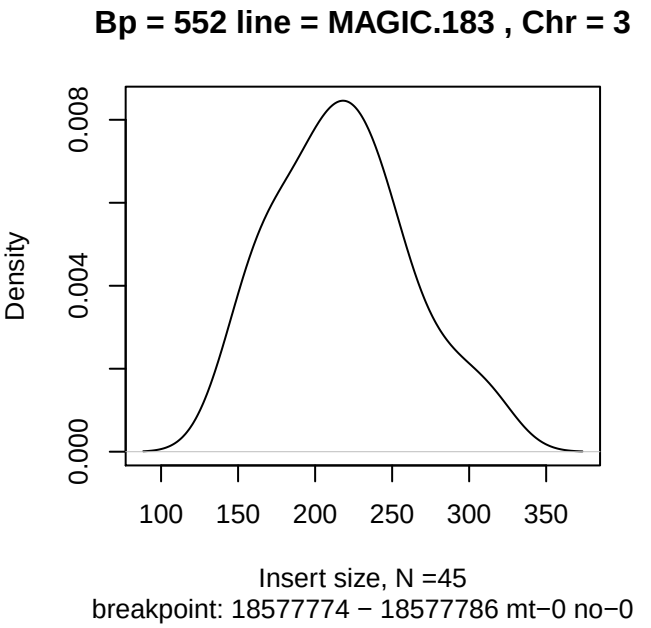
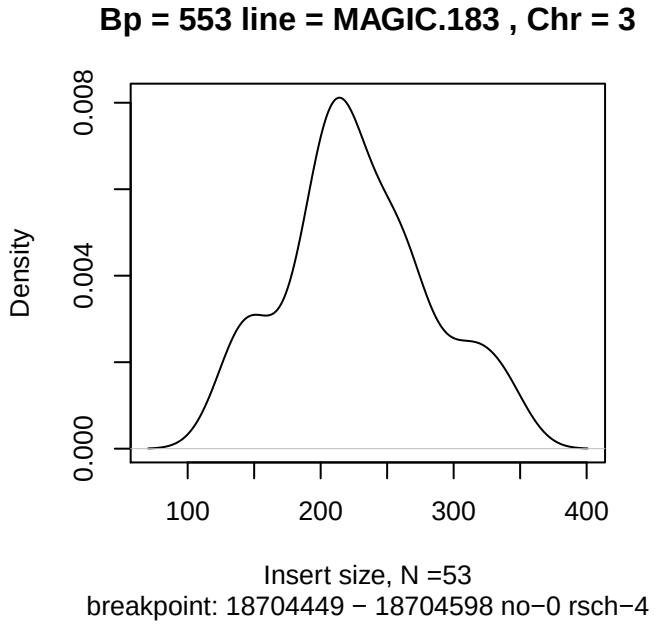
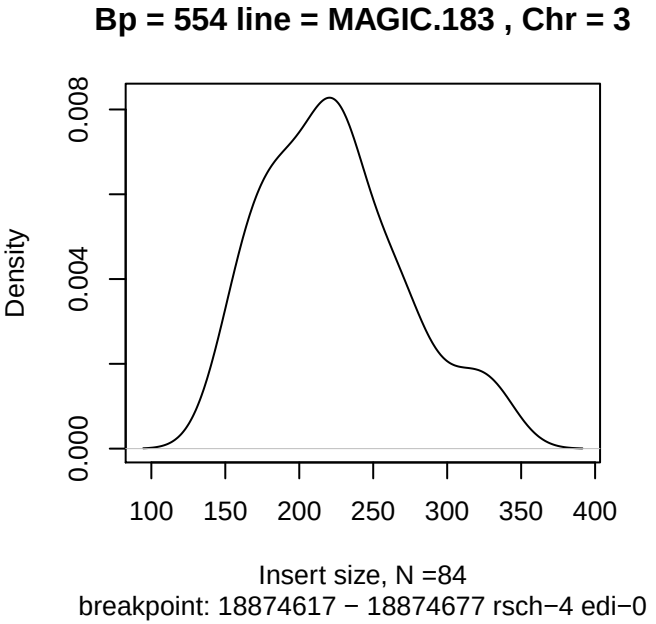
0.002
0.004
0.006
100
200
300
400
Insert size, N =61
breakpoint: 18002745 − 18003015 hi−0 mt−0

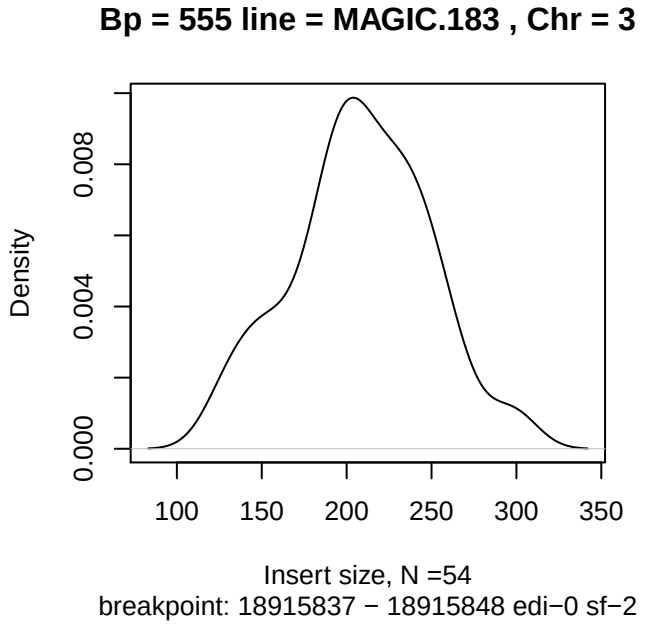

Bp = 550 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =39
breakpoint: 18067262 − 18067263 mt−0 oy−0

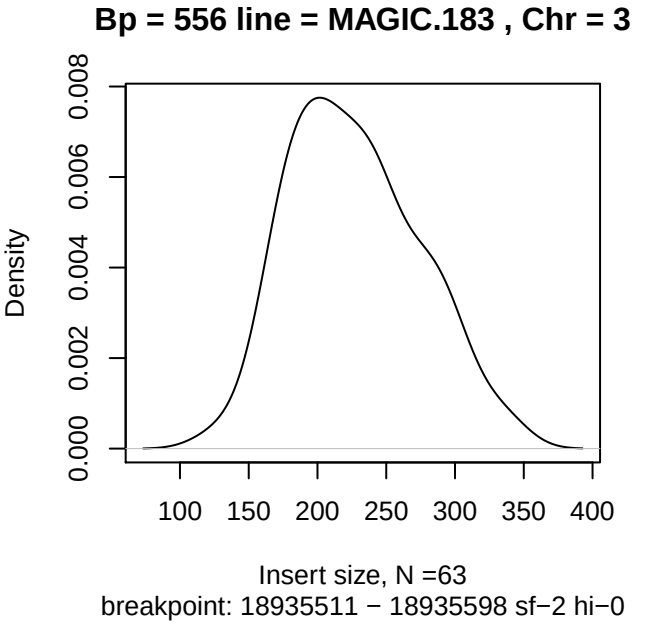

Bp = 551 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =62
breakpoint: 18424778 − 18424821 oy−0 mt−0

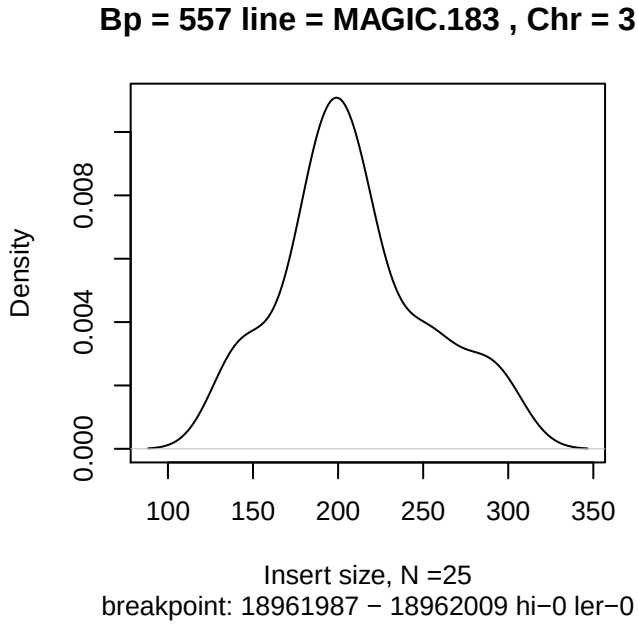

Bp = 552 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 18577774 − 18577786 mt−0 no−0

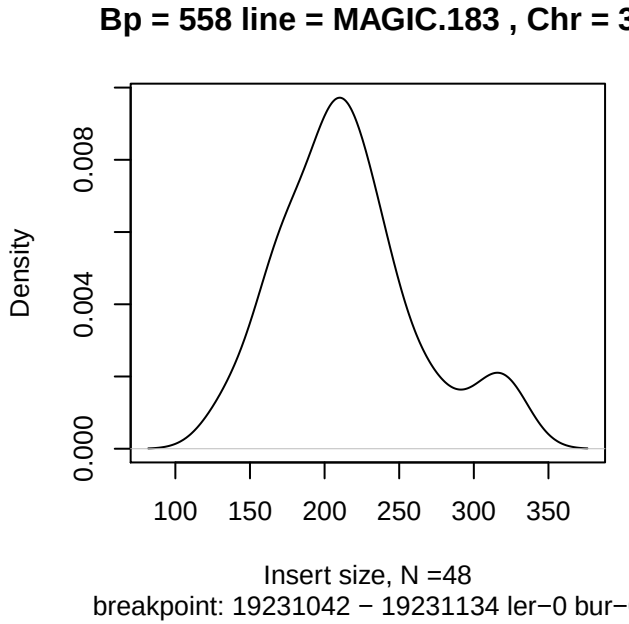

Bp = 553 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =53
breakpoint: 18704449 − 18704598 no−0 rsch−4

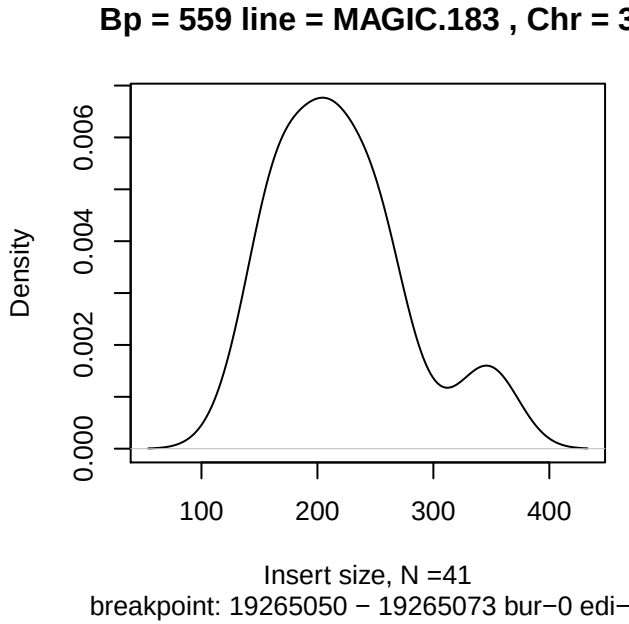

Bp = 554 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =84
breakpoint: 18874617 − 18874677 rsch−4 edi−0

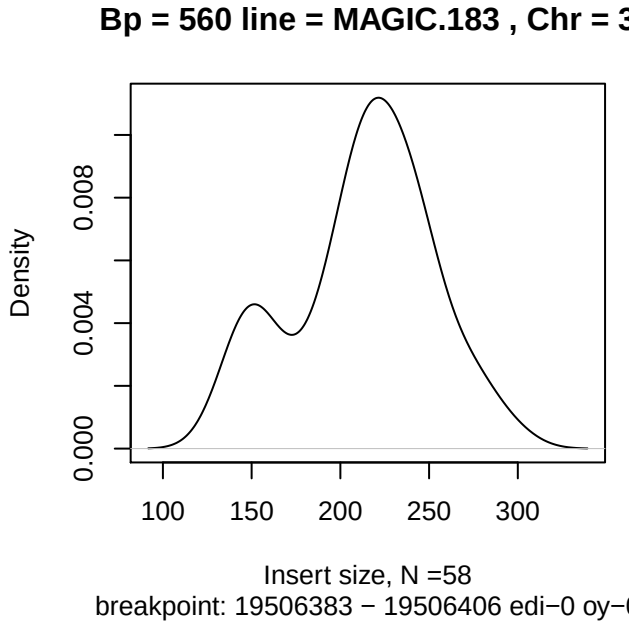

Bp = 555 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =54
breakpoint: 18915837 − 18915848 edi−0 sf−2

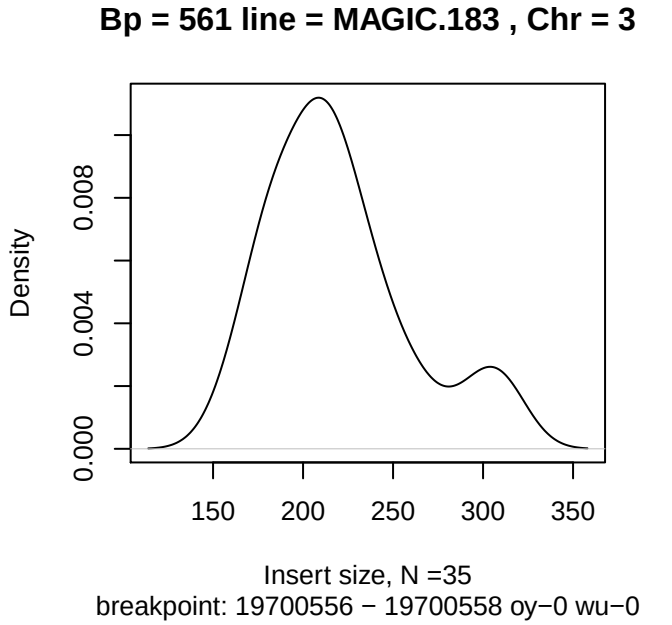

Bp = 556 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =63
breakpoint: 18935511 − 18935598 sf−2 hi−0

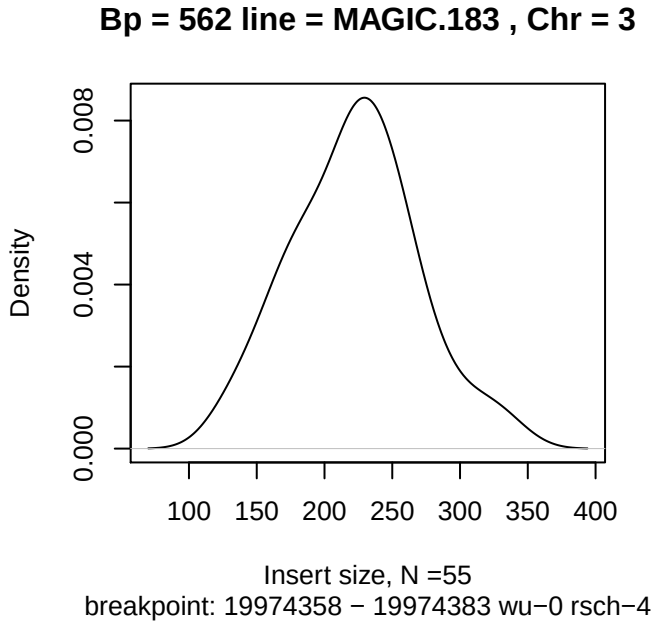

Bp = 557 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =25
breakpoint: 18961987 − 18962009 hi−0 ler−0

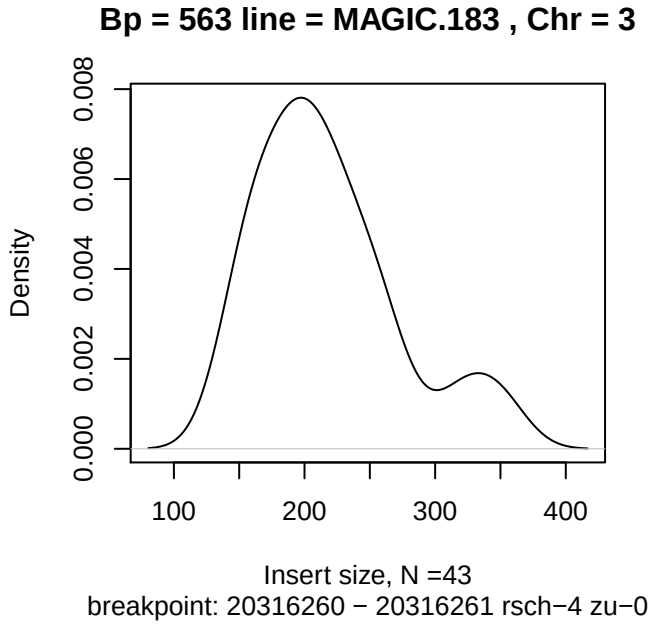

Bp = 558 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 19231042 − 19231134 ler−0 bur−0

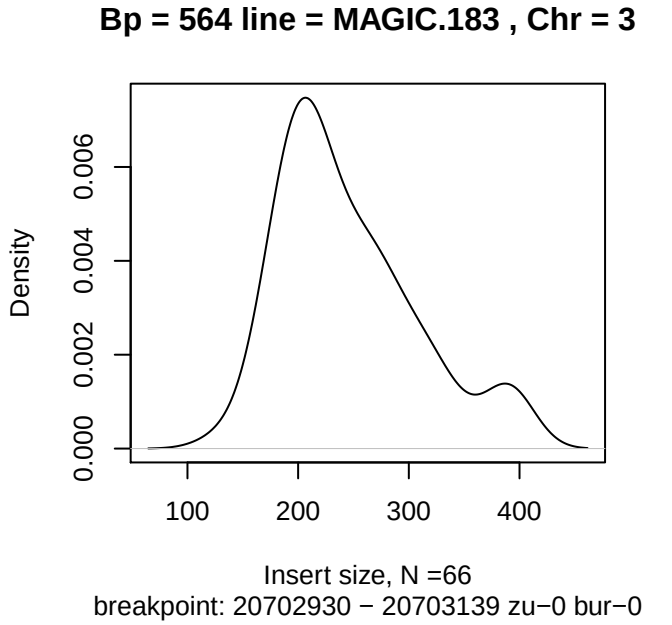

Bp = 559 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =41
breakpoint: 19265050 − 19265073 bur−0 edi−0

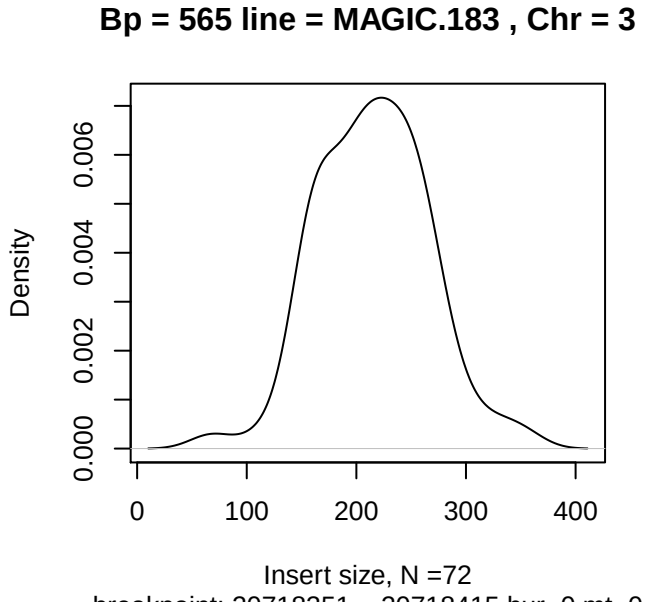

Bp = 560 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =58
breakpoint: 19506383 − 19506406 edi−0 oy−0

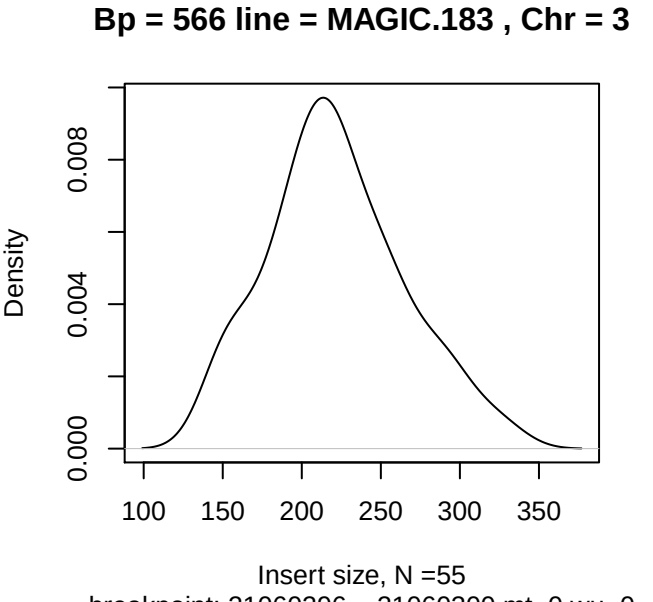

Bp = 561 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =35
breakpoint: 19700556 − 19700558 oy−0 wu−0

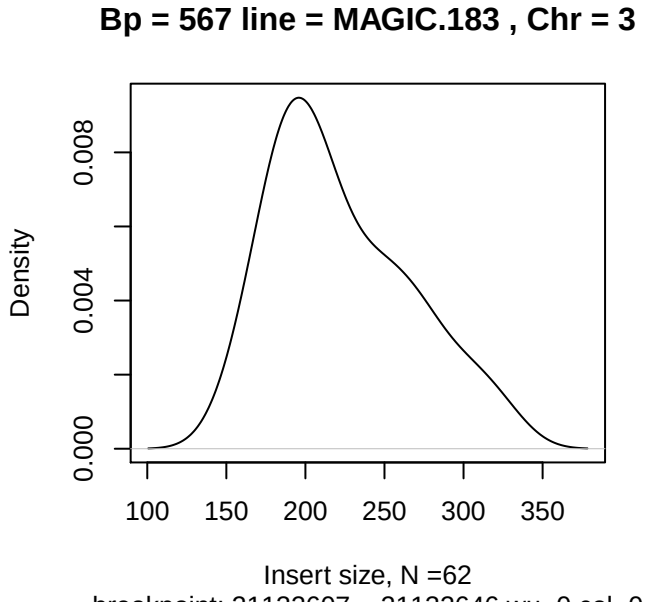

Bp = 562 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =55
breakpoint: 19974358 − 19974383 wu−0 rsch−4

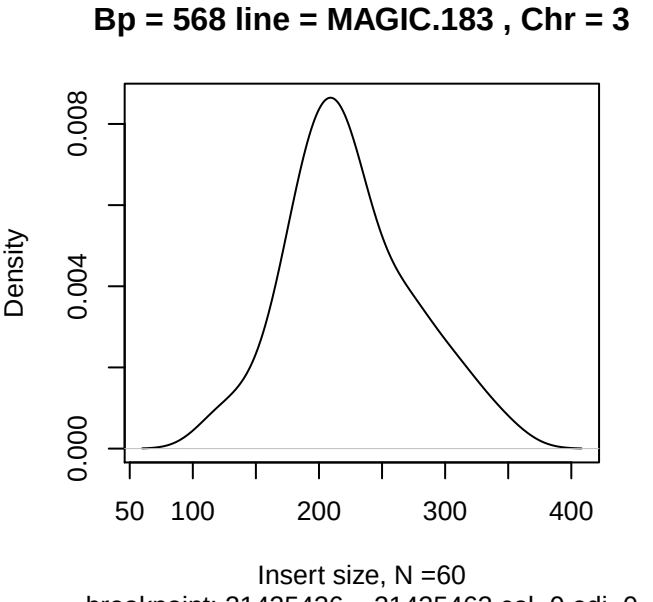

Bp = 563 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =43
breakpoint: 20316260 − 20316261 rsch−4 zu−0

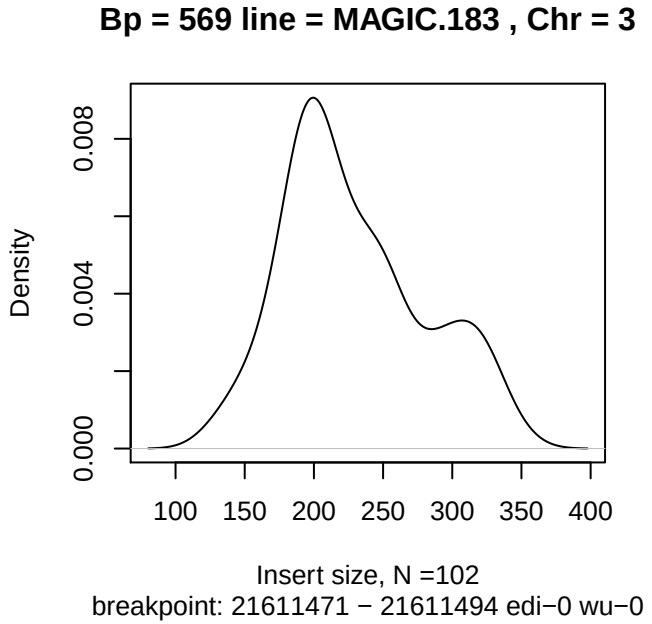

Bp = 564 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =66
breakpoint: 20702930 − 20703139 zu−0 bur−0

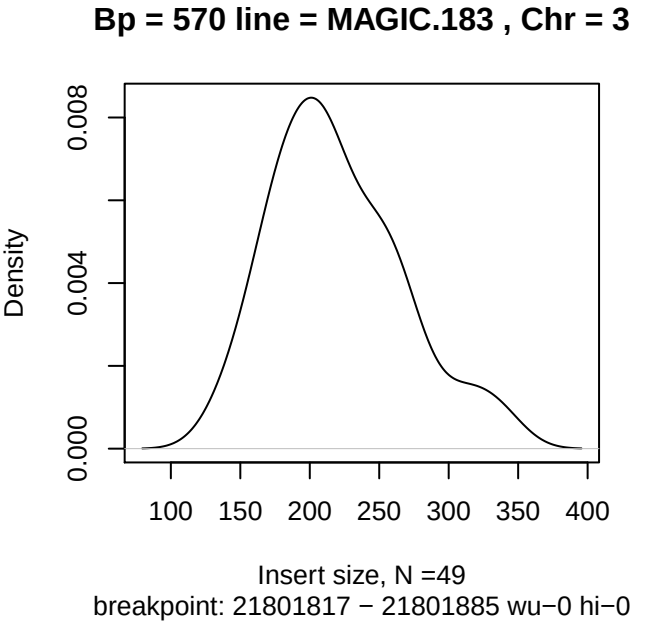

Bp = 565 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
0
100
200
300
400
Insert size, N =72
breakpoint: 20718351 − 20718415 bur−0 mt−0

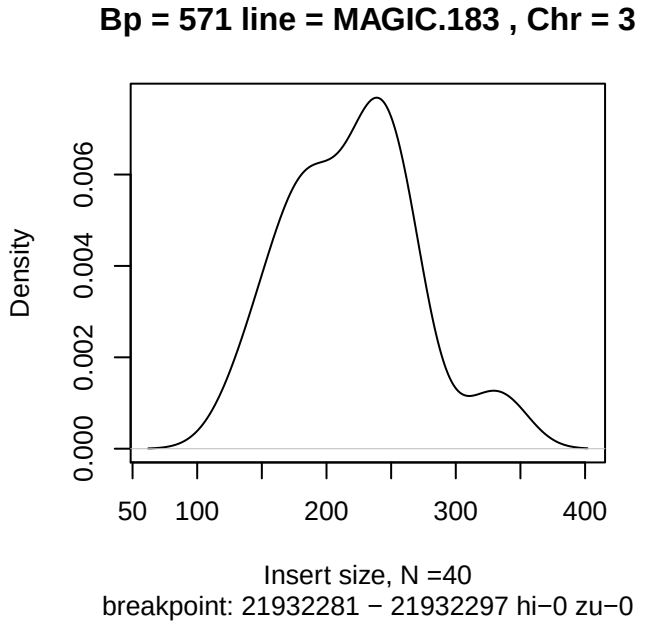

Bp = 566 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 21060296 − 21060300 mt−0 wu−0

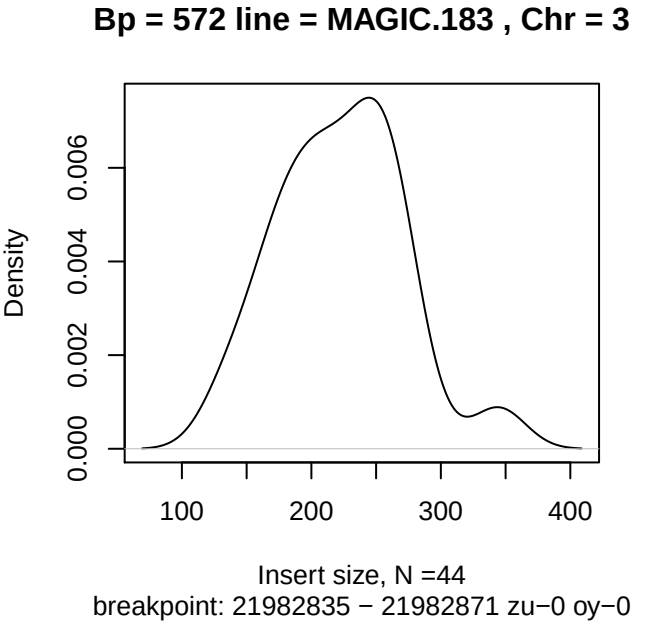

Bp = 567 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =62
breakpoint: 21132607 − 21132646 wu−0 col−0

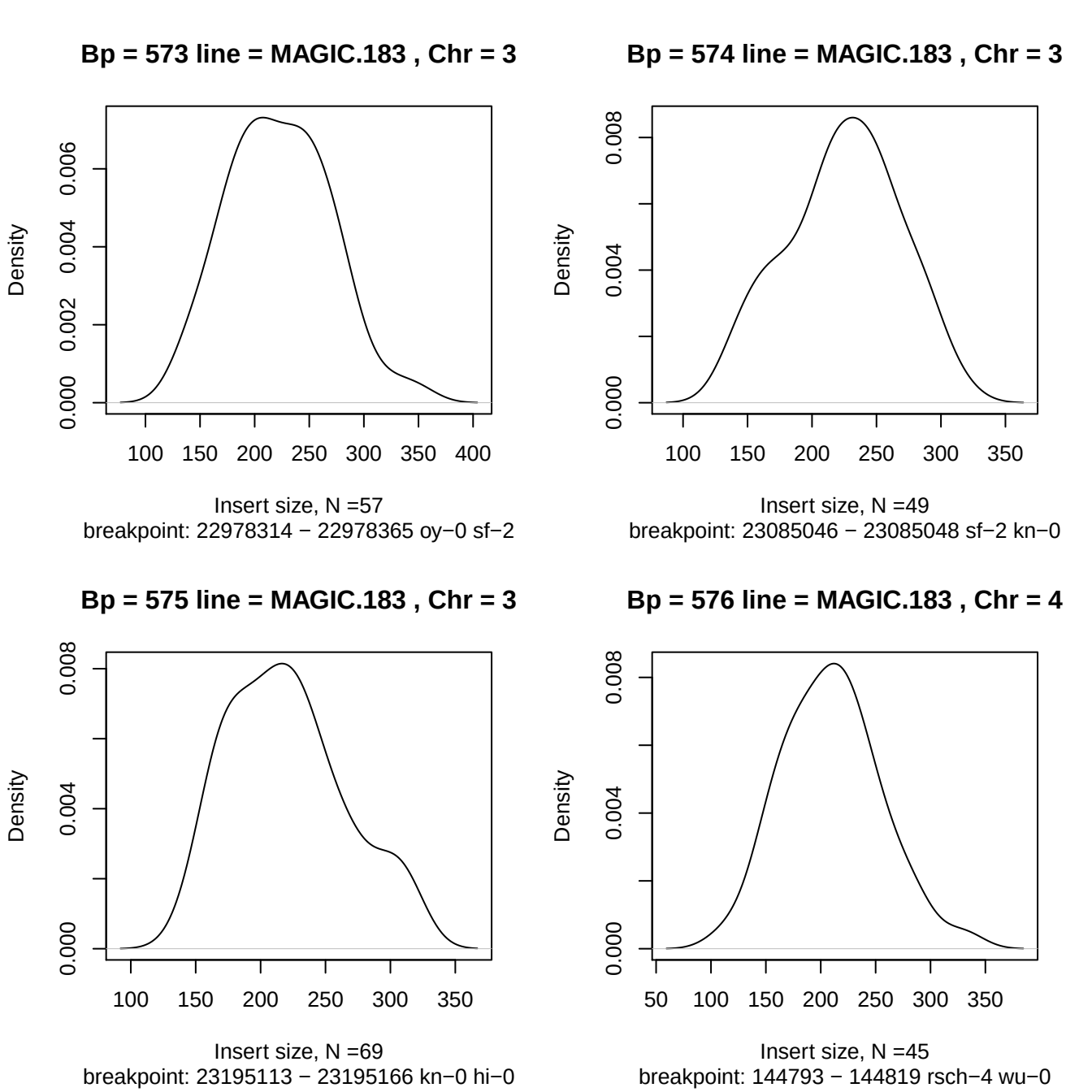

Bp = 568 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =60
breakpoint: 21425436 − 21425462 col−0 edi−0

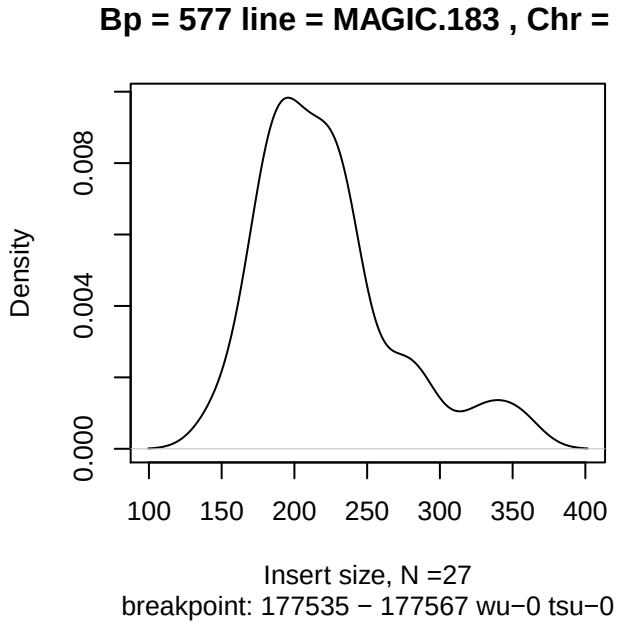

Bp = 569 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =102
breakpoint: 21611471 − 21611494 edi−0 wu−0

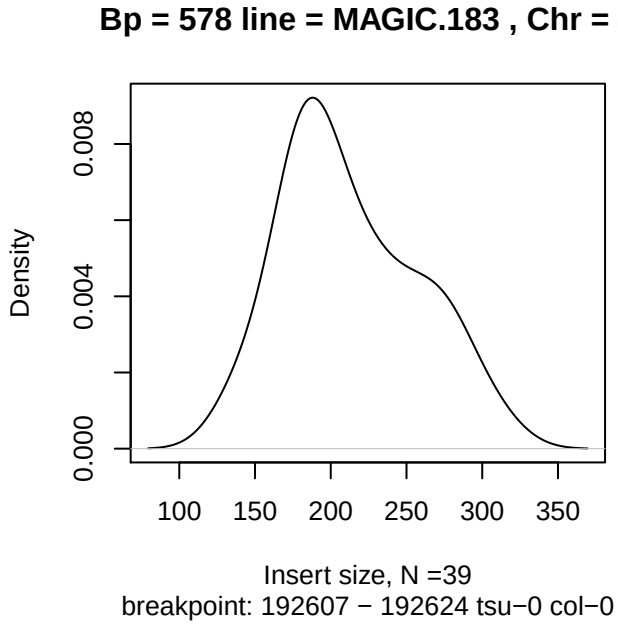

Bp = 570 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =49
breakpoint: 21801817 − 21801885 wu−0 hi−0

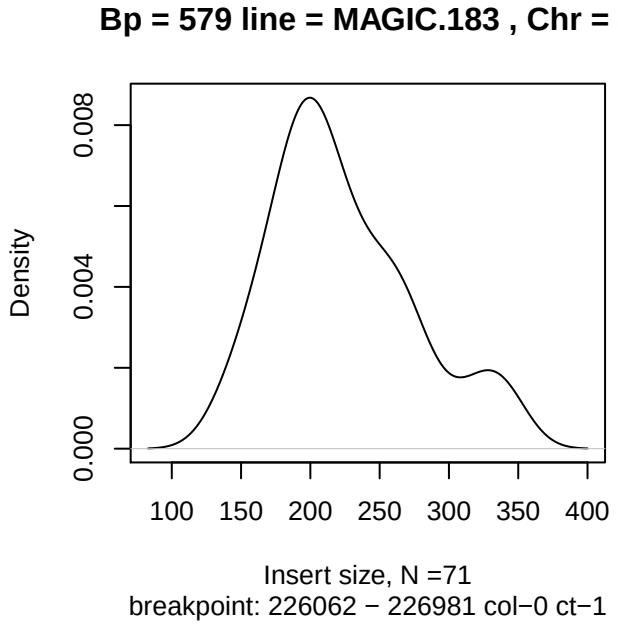

Bp = 571 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =40
breakpoint: 21932281 − 21932297 hi−0 zu−0

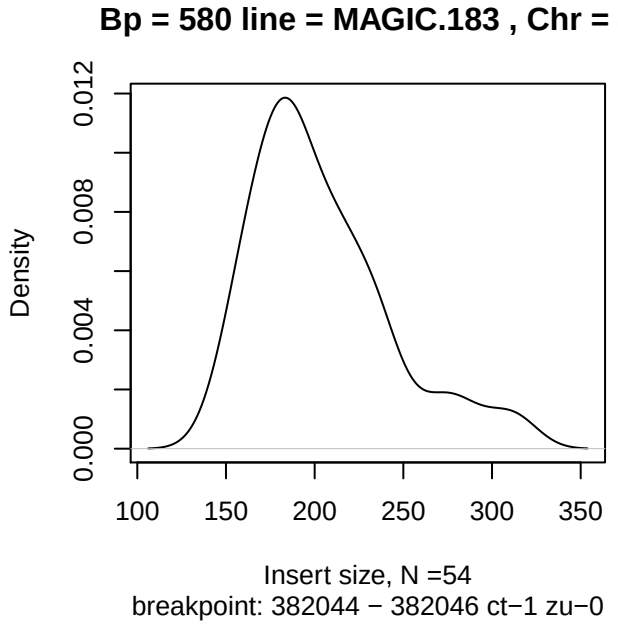

Bp = 572 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =44
breakpoint: 21982835 − 21982871 zu−0 oy−0

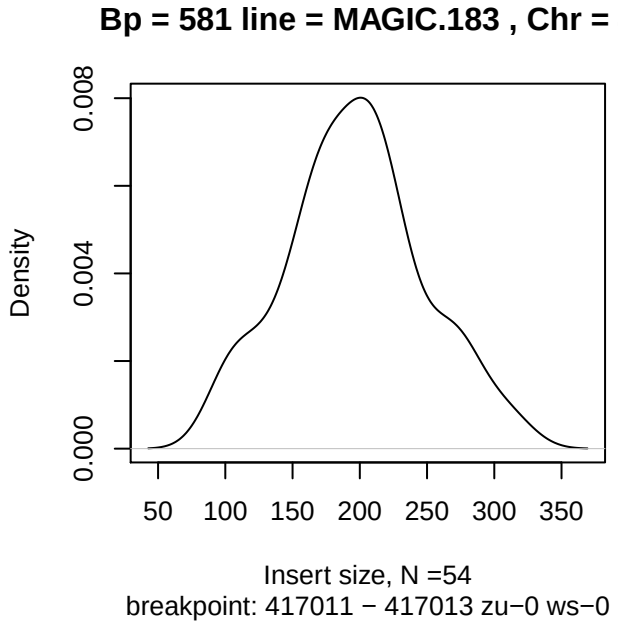

Bp = 573 line = MAGIC.183 , Chr = 3
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =57
breakpoint: 22978314 − 22978365 oy−0 sf−2
Bp = 574 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =49
breakpoint: 23085046 − 23085048 sf−2 kn−0
Bp = 575 line = MAGIC.183 , Chr = 3
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =69
breakpoint: 23195113 − 23195166 kn−0 hi−0
Bp = 576 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =45
breakpoint: 144793 − 144819 rsch−4 wu−0

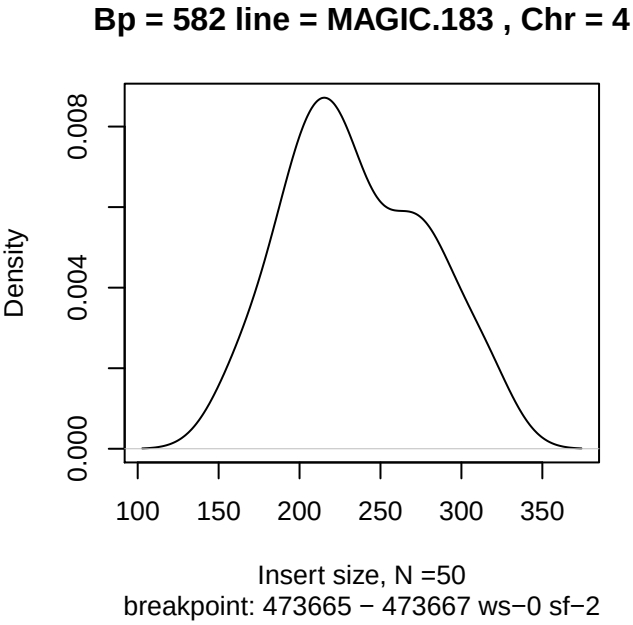

Bp = 577 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =27
breakpoint: 177535 − 177567 wu−0 tsu−0

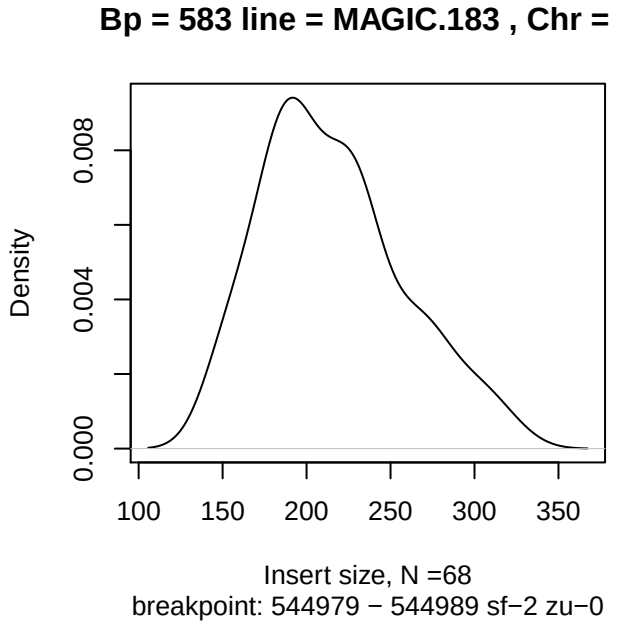

Bp = 578 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 192607 − 192624 tsu−0 col−0

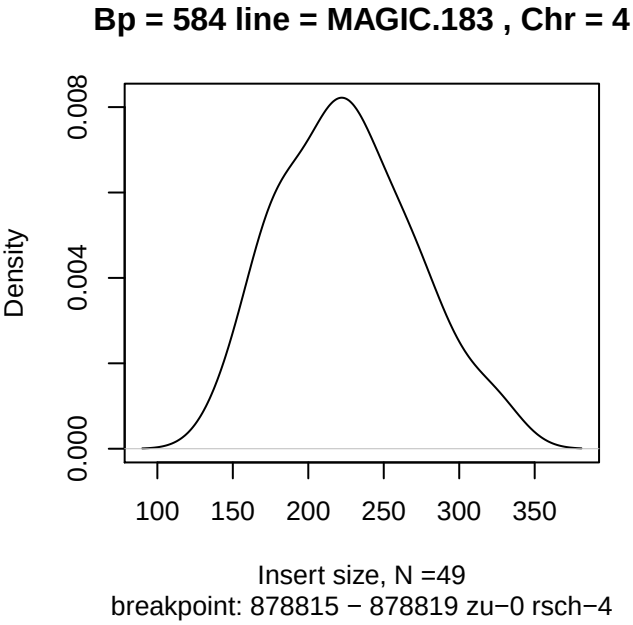

Bp = 579 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =71
breakpoint: 226062 − 226981 col−0 ct−1

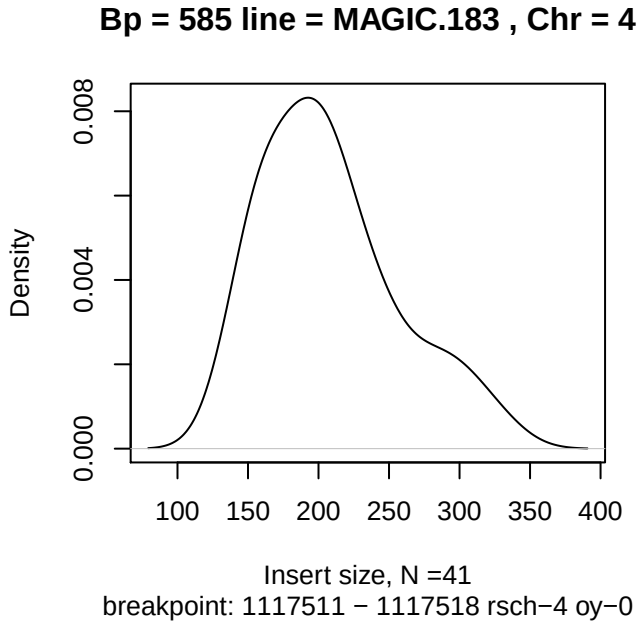

Bp = 580 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =54
breakpoint: 382044 − 382046 ct−1 zu−0

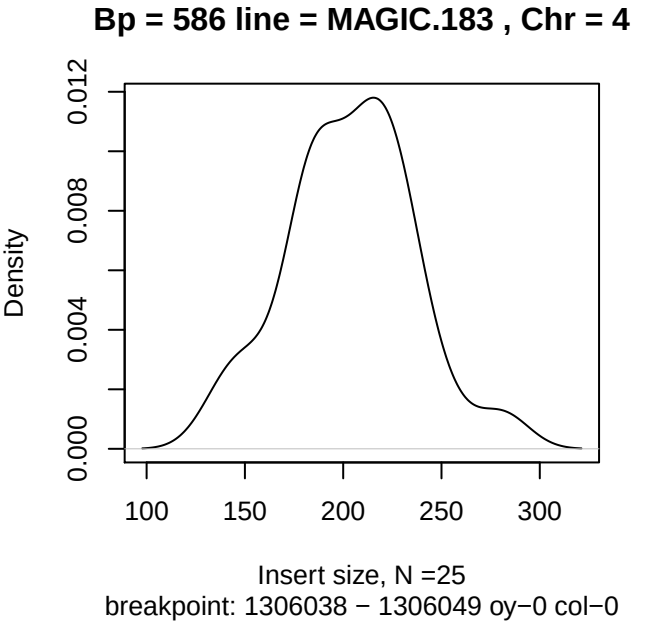

Bp = 581 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =54
breakpoint: 417011 − 417013 zu−0 ws−0

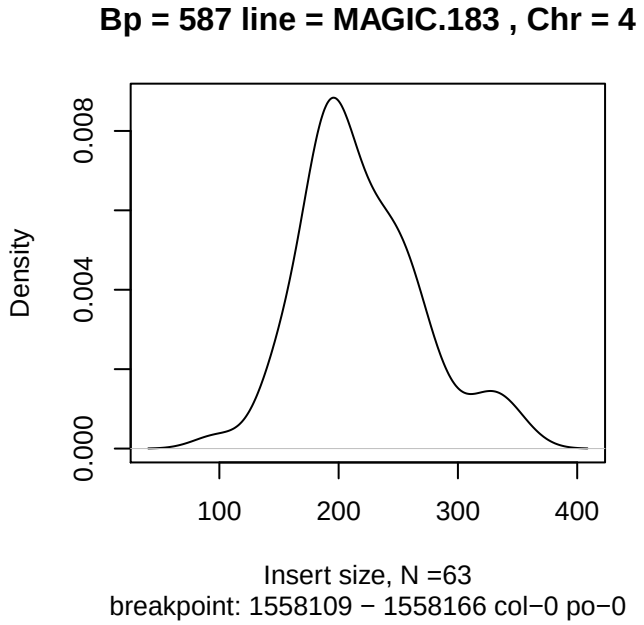

Bp = 582 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =50
breakpoint: 473665 − 473667 ws−0 sf−2

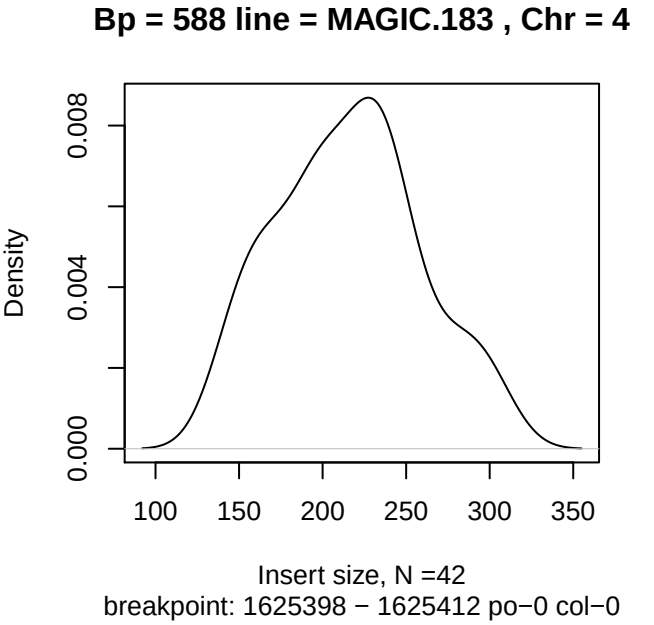

Bp = 583 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =68
breakpoint: 544979 − 544989 sf−2 zu−0

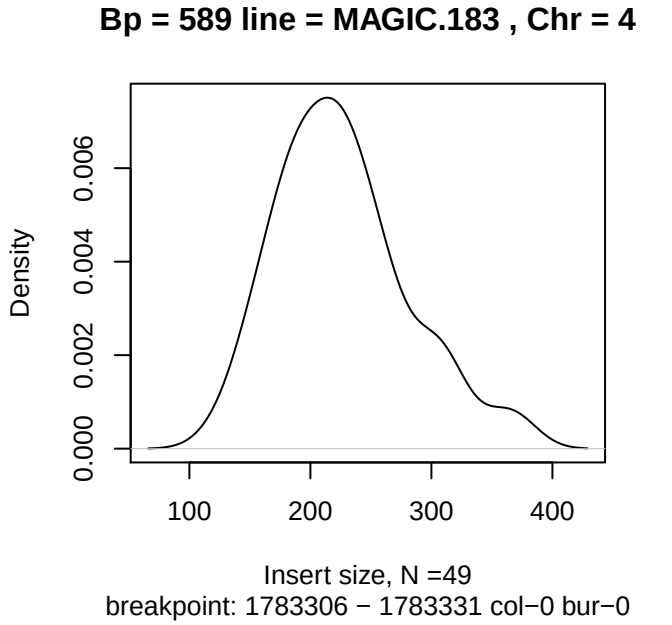

Bp = 584 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =49
breakpoint: 878815 − 878819 zu−0 rsch−4

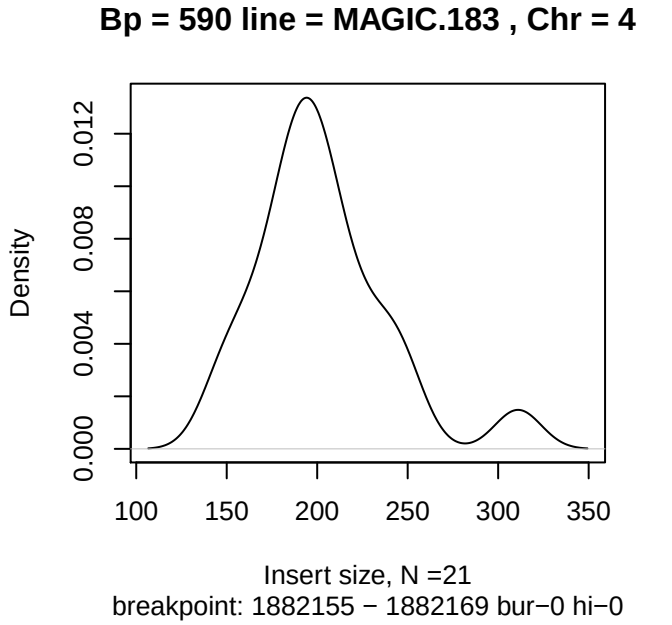

Bp = 585 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =41
breakpoint: 1117511 − 1117518 rsch−4 oy−0

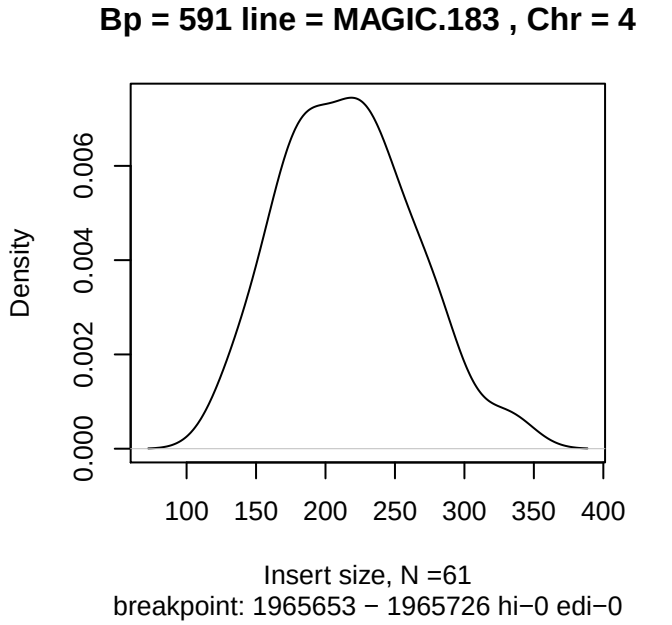

Bp = 586 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =25
breakpoint: 1306038 − 1306049 oy−0 col−0

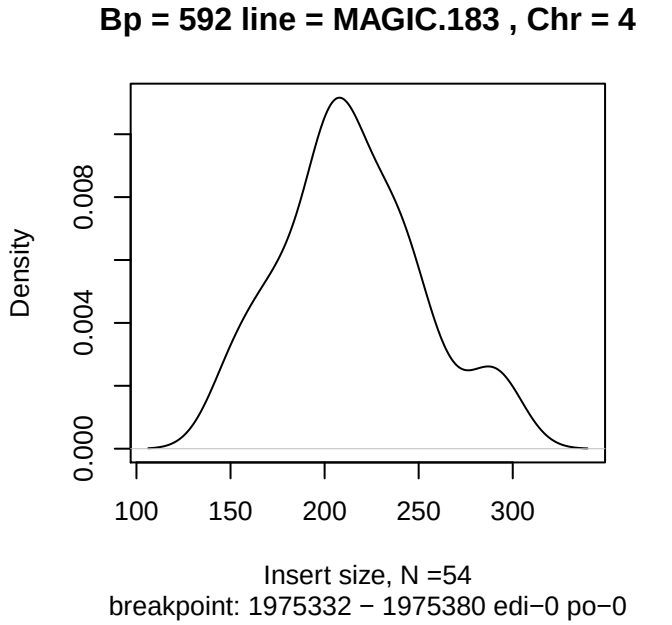

Bp = 587 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =63
breakpoint: 1558109 − 1558166 col−0 po−0

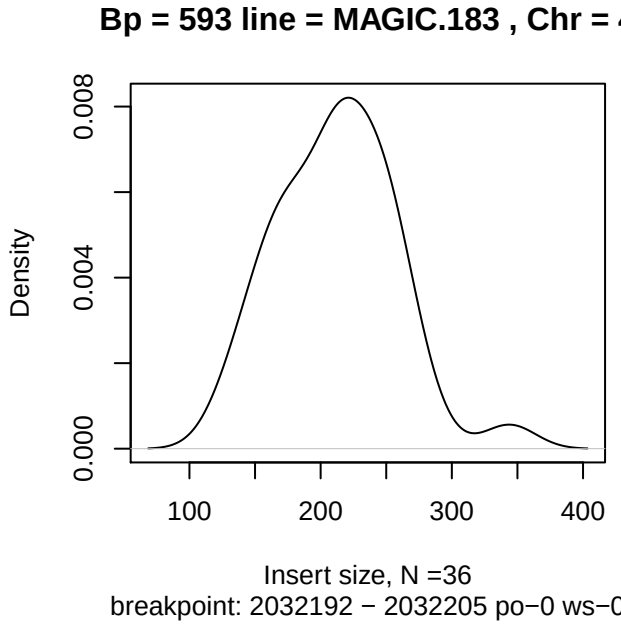

Bp = 588 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =42
breakpoint: 1625398 − 1625412 po−0 col−0

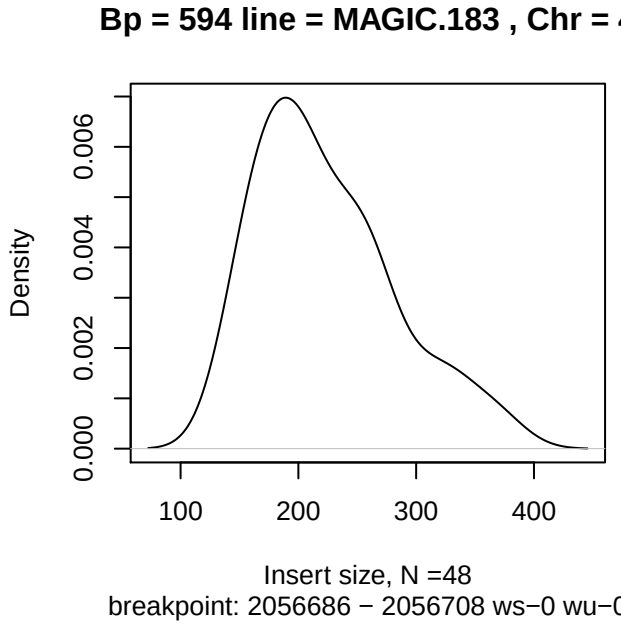

Bp = 589 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =49
breakpoint: 1783306 − 1783331 col−0 bur−0

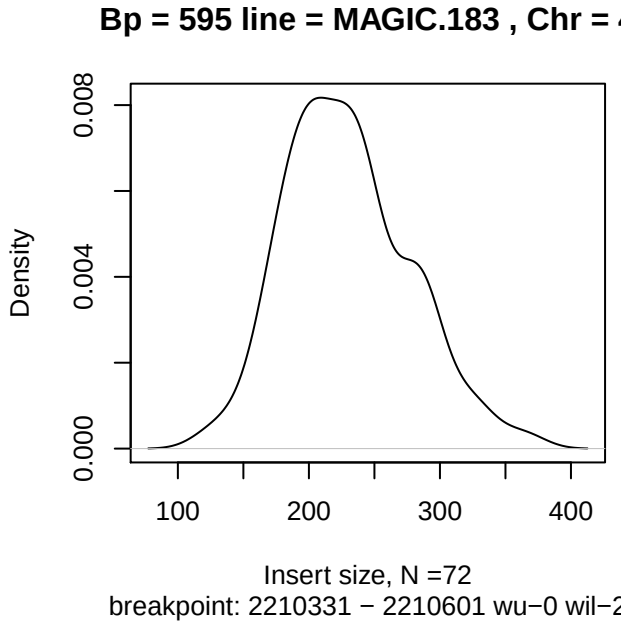

Bp = 590 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =21
breakpoint: 1882155 − 1882169 bur−0 hi−0

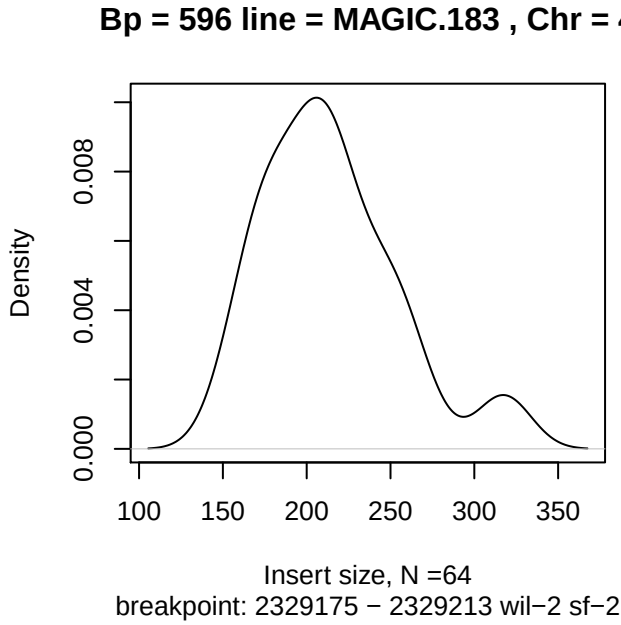

Bp = 591 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =61
breakpoint: 1965653 − 1965726 hi−0 edi−0

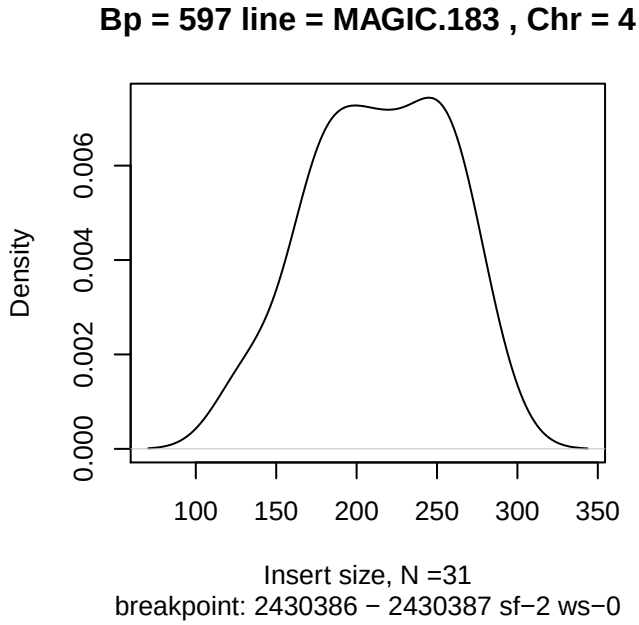

Bp = 592 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =54
breakpoint: 1975332 − 1975380 edi−0 po−0

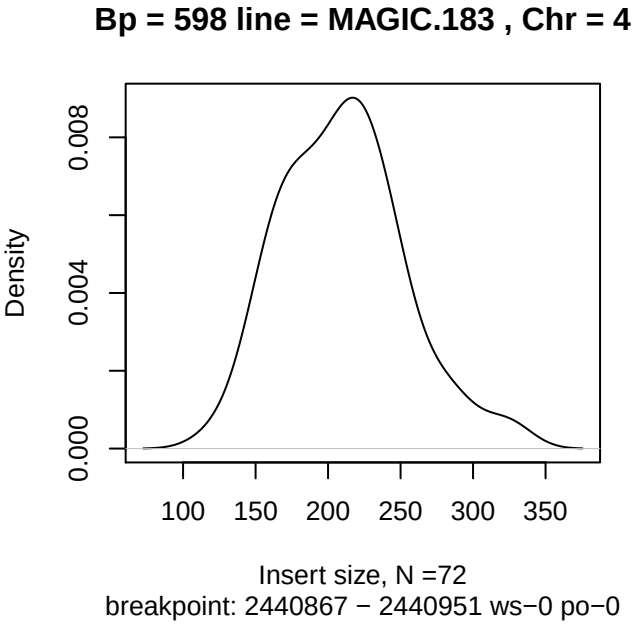

Bp = 593 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =36
breakpoint: 2032192 − 2032205 po−0 ws−0

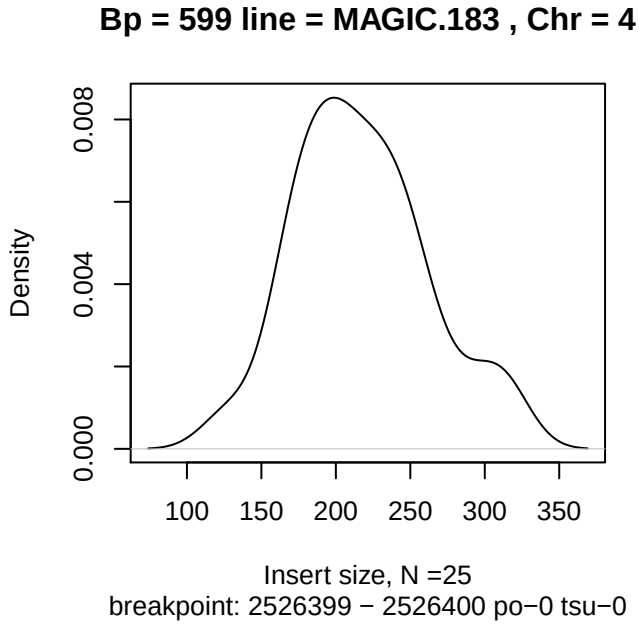

Bp = 594 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =48
breakpoint: 2056686 − 2056708 ws−0 wu−0

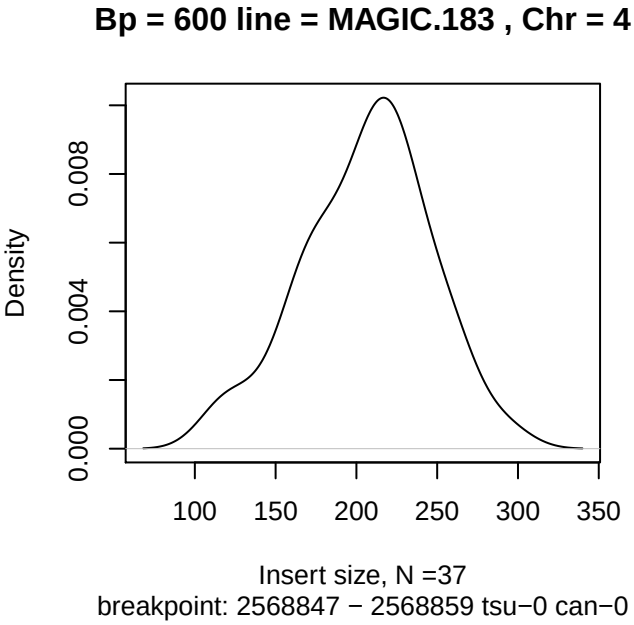

Bp = 595 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =72
breakpoint: 2210331 − 2210601 wu−0 wil−2


Bp = 596 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =64
breakpoint: 2329175 − 2329213 wil−2 sf−2


Bp = 597 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =31
breakpoint: 2430386 − 2430387 sf−2 ws−0


Bp = 598 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =72
breakpoint: 2440867 − 2440951 ws−0 po−0


Bp = 599 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =25
breakpoint: 2526399 − 2526400 po−0 tsu−0


Bp = 600 line = MAGIC.183 , Chr = 4
Density
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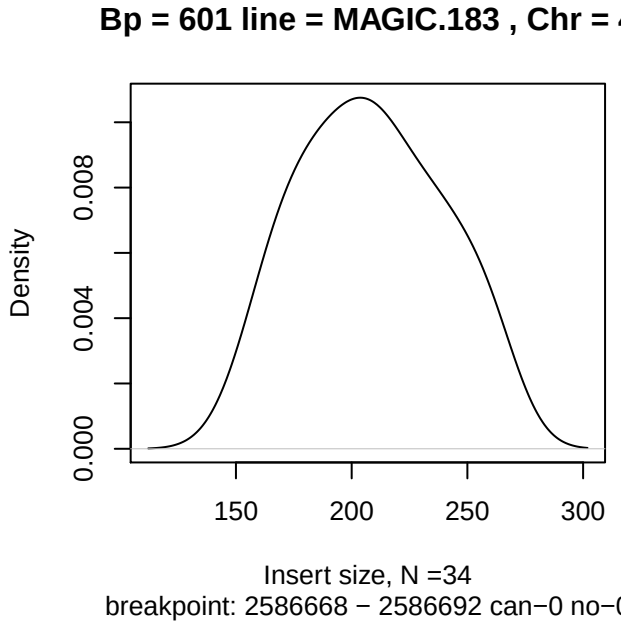
0.004
0.008
100
150
200
250
300
350
Insert size, N =37
breakpoint: 2568847 − 2568859 tsu−0 can−0


Bp = 601 line = MAGIC.183 , Chr = 4
Density
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0.004
0.008
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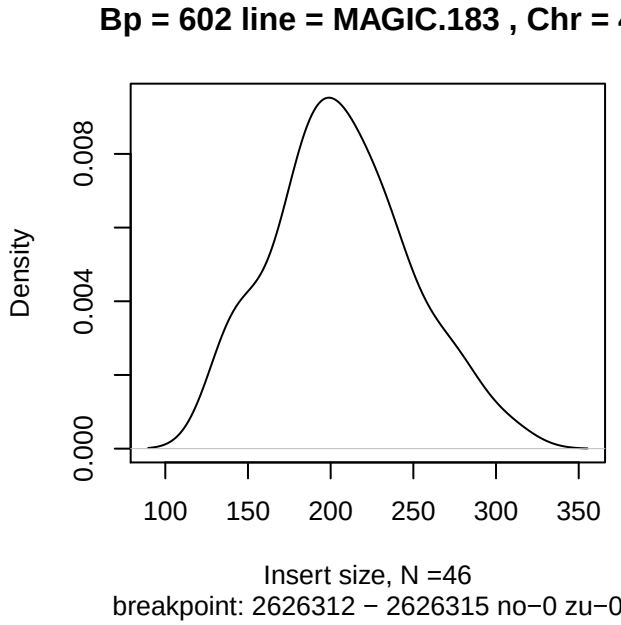
200
250
300
Insert size, N =34
breakpoint: 2586668 − 2586692 can−0 no−0


Bp = 602 line = MAGIC.183 , Chr = 4
Density
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0.004
0.008
100
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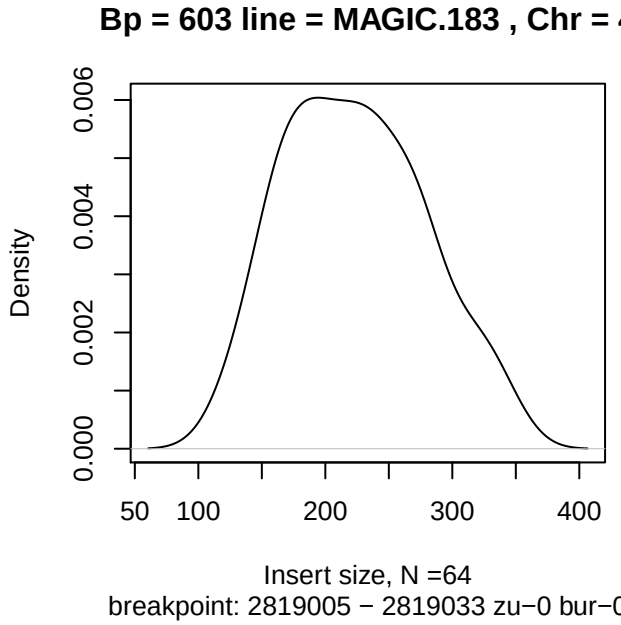
200
250
300
350
Insert size, N =46
breakpoint: 2626312 − 2626315 no−0 zu−0


Bp = 603 line = MAGIC.183 , Chr = 4
Density
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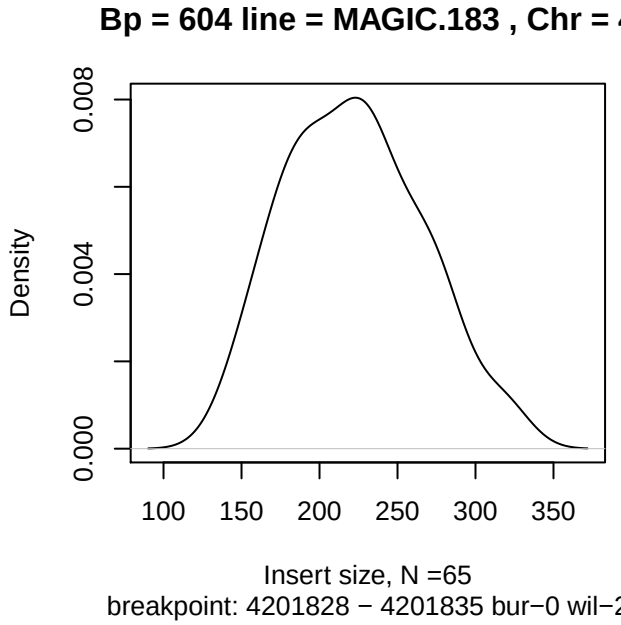
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =64
breakpoint: 2819005 − 2819033 zu−0 bur−0


Bp = 604 line = MAGIC.183 , Chr = 4
Density
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0.008
100
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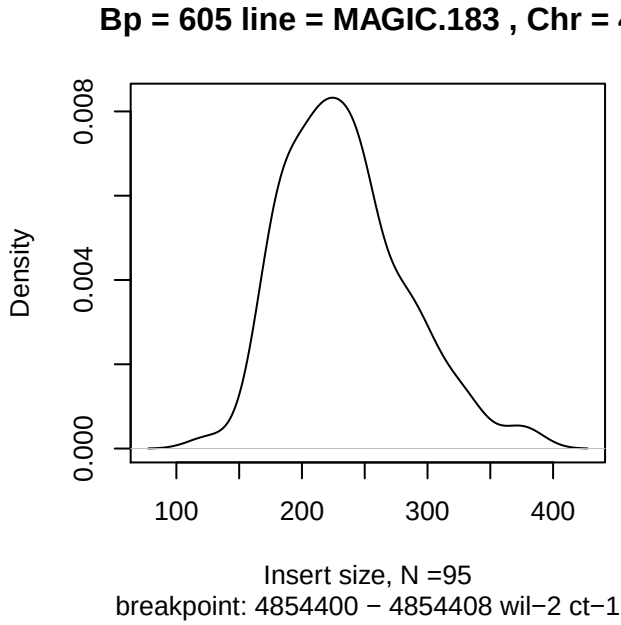
300
350
Insert size, N =65
breakpoint: 4201828 − 4201835 bur−0 wil−2


Bp = 605 line = MAGIC.183 , Chr = 4
Density
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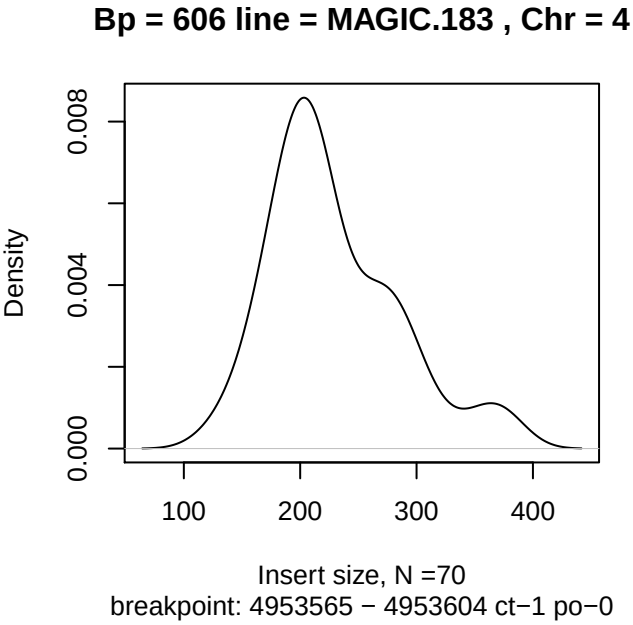
0.004
0.008
100
200
300
400
Insert size, N =95
breakpoint: 4854400 − 4854408 wil−2 ct−1


Bp = 606 line = MAGIC.183 , Chr = 4
Density
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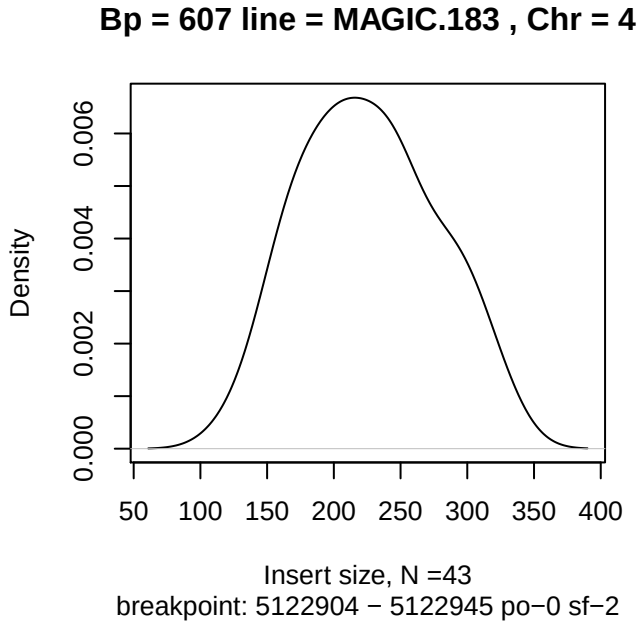
0.004
0.008
100
200
300
400
Insert size, N =70
breakpoint: 4953565 − 4953604 ct−1 po−0


Bp = 607 line = MAGIC.183 , Chr = 4
Density
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0.002
0.004
0.006
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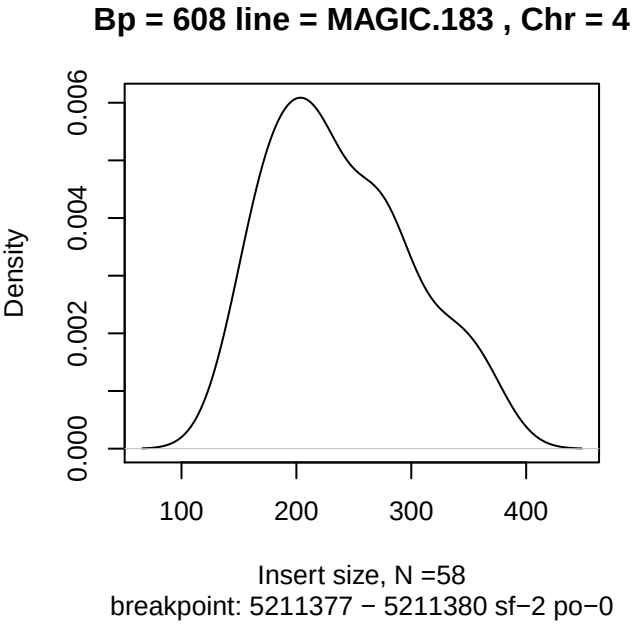
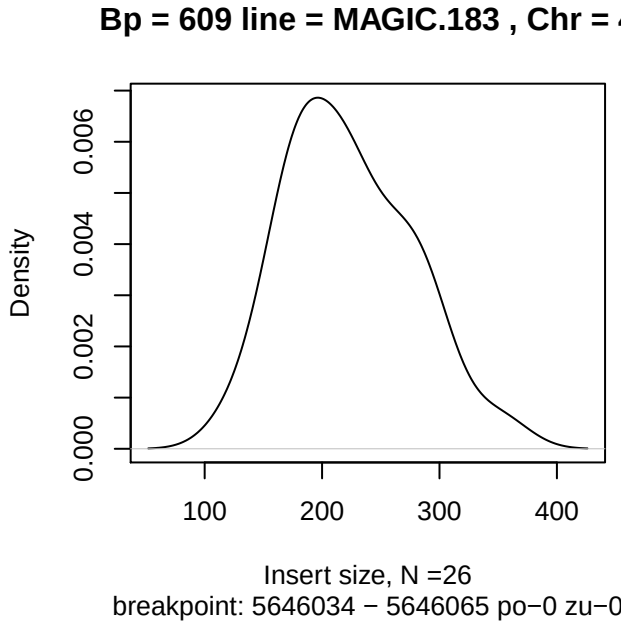
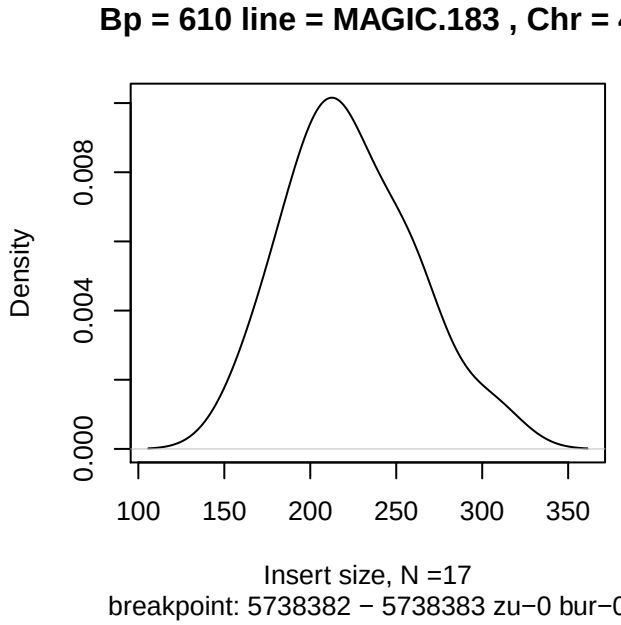
100
150
200
250
300
350
400
Insert size, N =43
breakpoint: 5122904 − 5122945 po−0 sf−2


Bp = 608 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =58
breakpoint: 5211377 − 5211380 sf−2 po−0


Bp = 609 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =26
breakpoint: 5646034 − 5646065 po−0 zu−0


Bp = 610 line = MAGIC.183 , Chr = 4
Density
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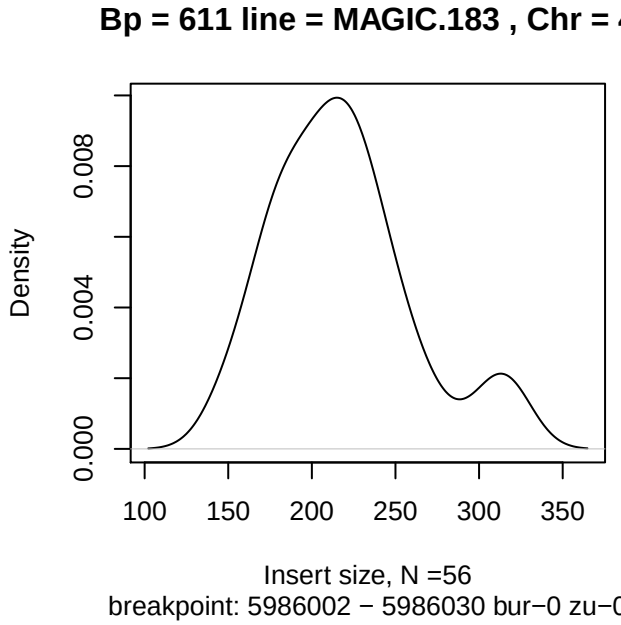
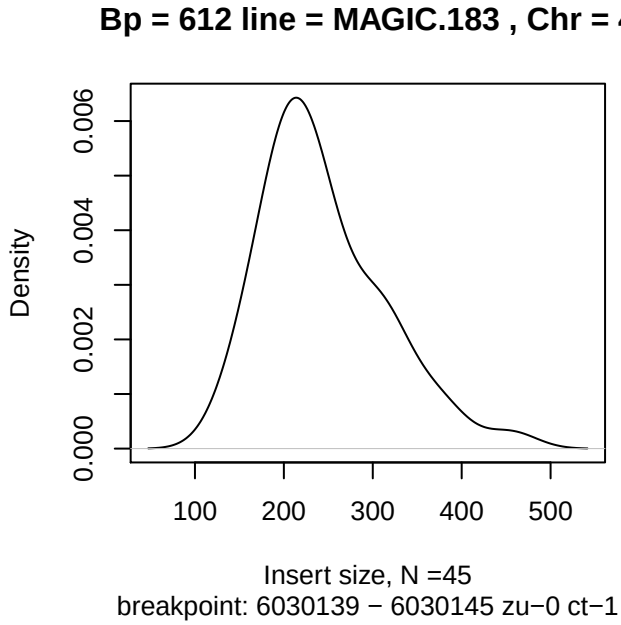
0.004
0.008
100
150
200
250
300
350
Insert size, N =17
breakpoint: 5738382 − 5738383 zu−0 bur−0


Bp = 611 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =56
breakpoint: 5986002 − 5986030 bur−0 zu−0


Bp = 612 line = MAGIC.183 , Chr = 4
Density
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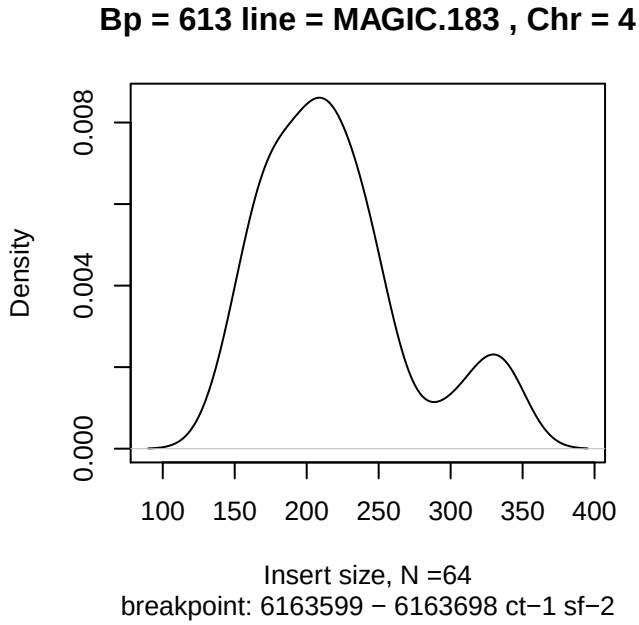
0.002
0.004
0.006
100
200
300
400
500
Insert size, N =45
breakpoint: 6030139 − 6030145 zu−0 ct−1


Bp = 613 line = MAGIC.183 , Chr = 4
Density
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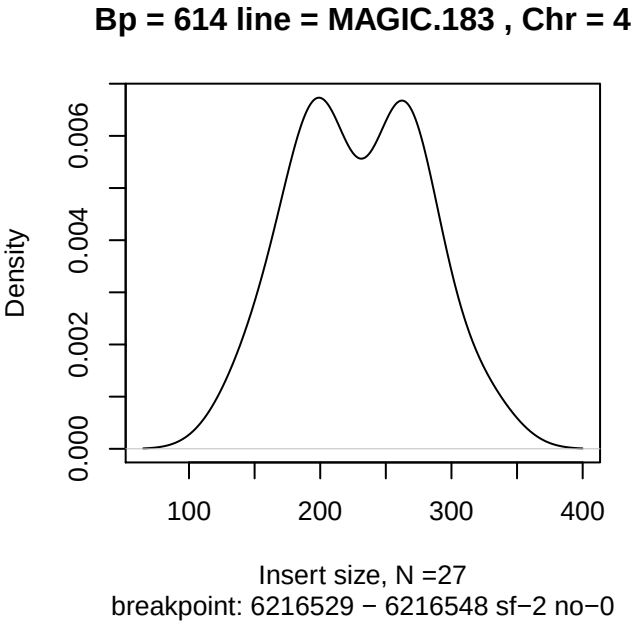
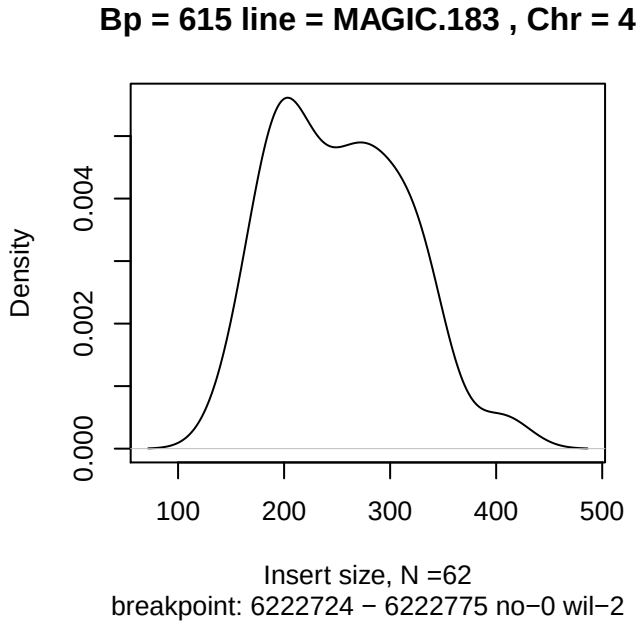
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =64
breakpoint: 6163599 − 6163698 ct−1 sf−2


Bp = 614 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =27
breakpoint: 6216529 − 6216548 sf−2 no−0


Bp = 615 line = MAGIC.183 , Chr = 4
Density
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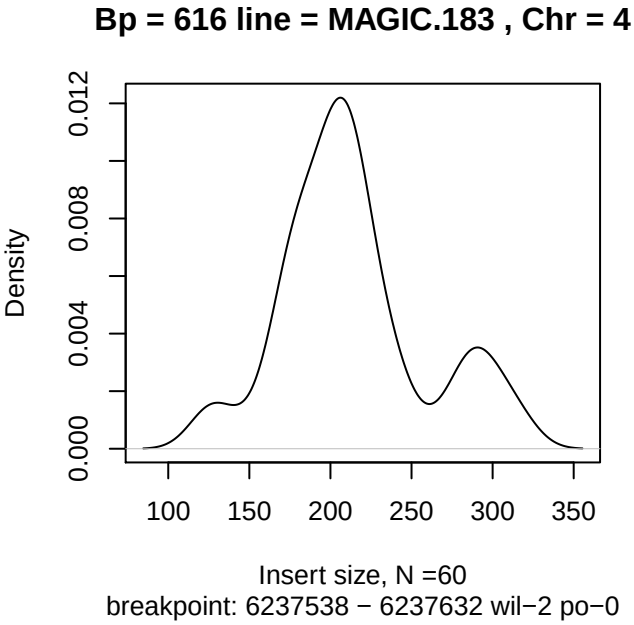
0.002
0.004
100
200
300
400
500
Insert size, N =62
breakpoint: 6222724 − 6222775 no−0 wil−2


Bp = 616 line = MAGIC.183 , Chr = 4
Density
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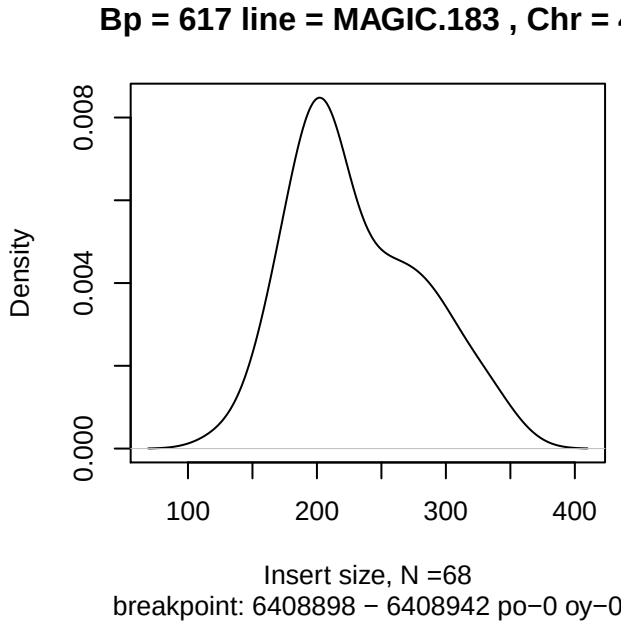
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =60
breakpoint: 6237538 − 6237632 wil−2 po−0


Bp = 617 line = MAGIC.183 , Chr = 4
Density
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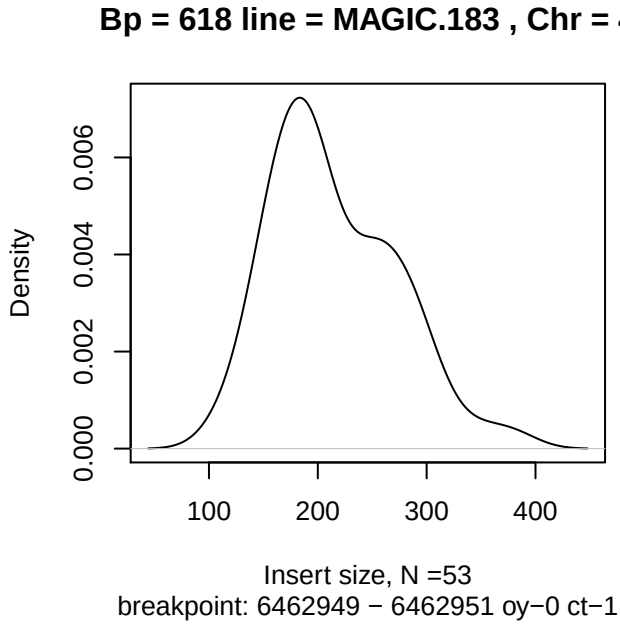
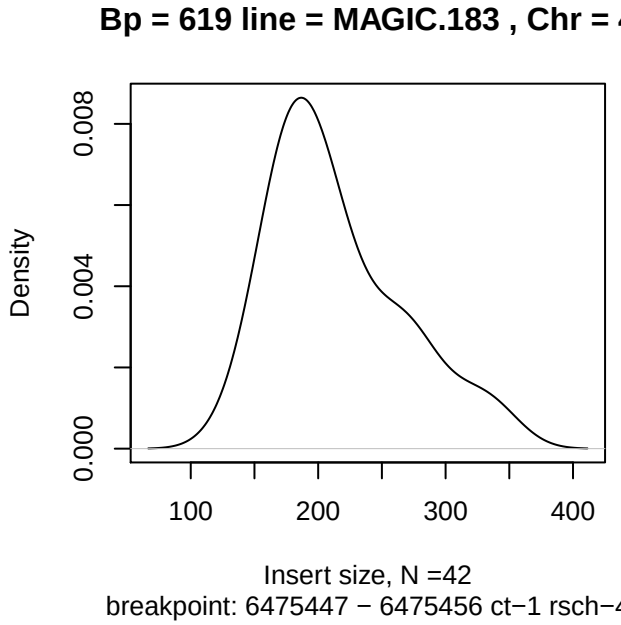
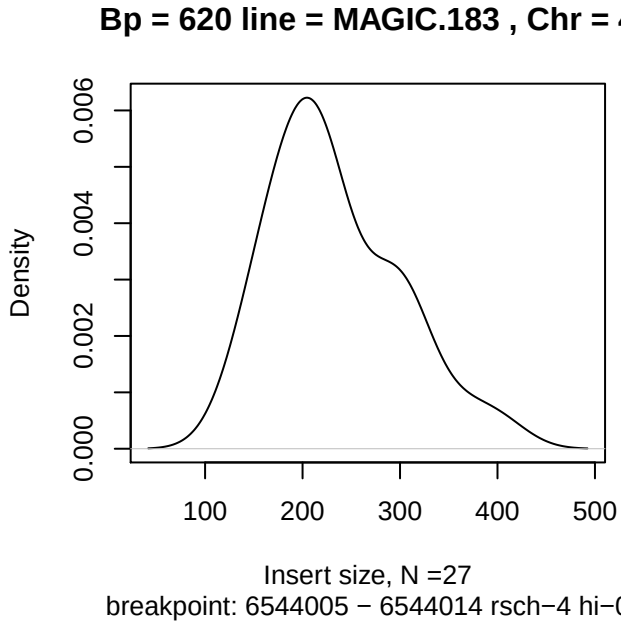
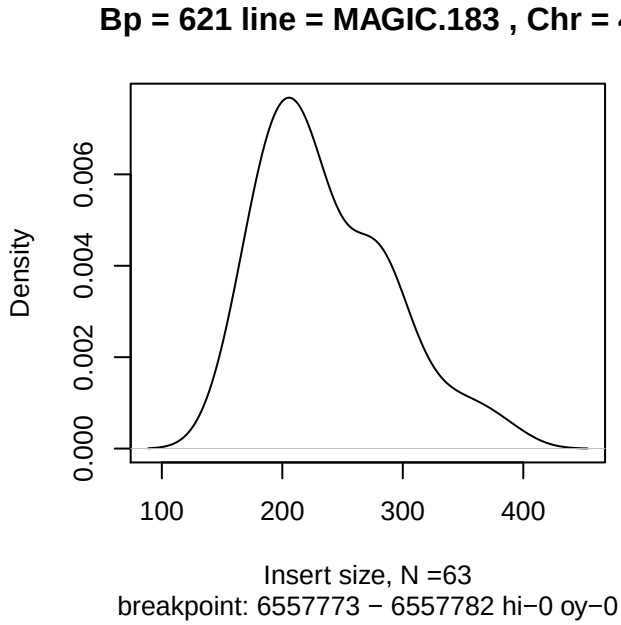
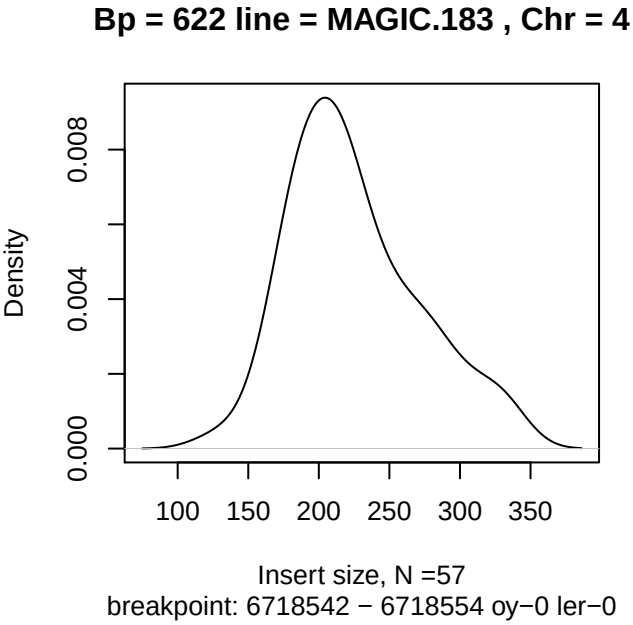
0.004
0.008
100
200
300
400
Insert size, N =68
breakpoint: 6408898 − 6408942 po−0 oy−0

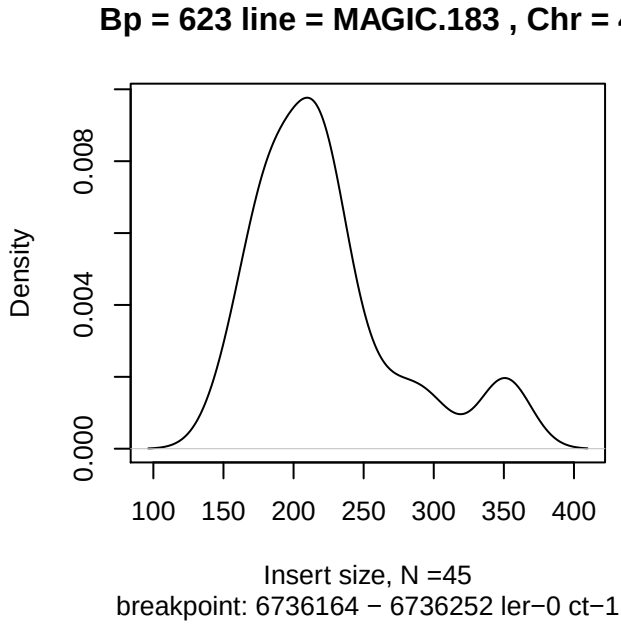

Bp = 618 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =53
breakpoint: 6462949 − 6462951 oy−0 ct−1

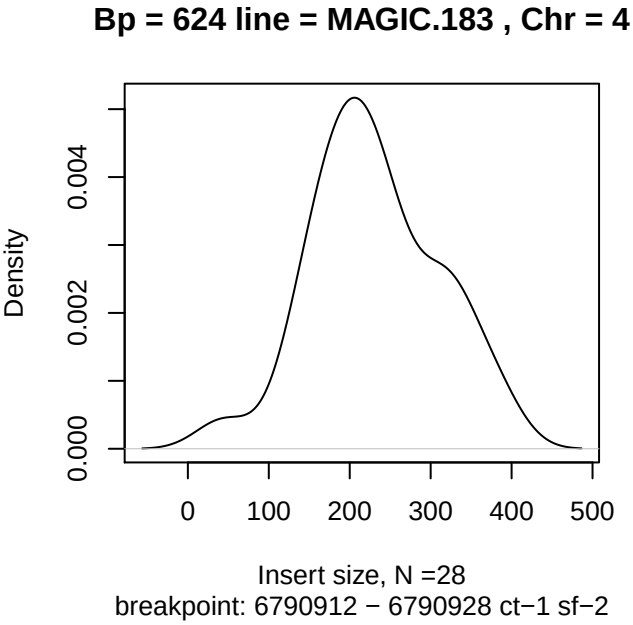

Bp = 619 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =42
breakpoint: 6475447 − 6475456 ct−1 rsch−4


Bp = 620 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
500
Insert size, N =27
breakpoint: 6544005 − 6544014 rsch−4 hi−0


Bp = 621 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =63
breakpoint: 6557773 − 6557782 hi−0 oy−0


Bp = 622 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =57
breakpoint: 6718542 − 6718554 oy−0 ler−0


Bp = 623 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =45
breakpoint: 6736164 − 6736252 ler−0 ct−1


Bp = 624 line = MAGIC.183 , Chr = 4
Density
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0.004
0
100
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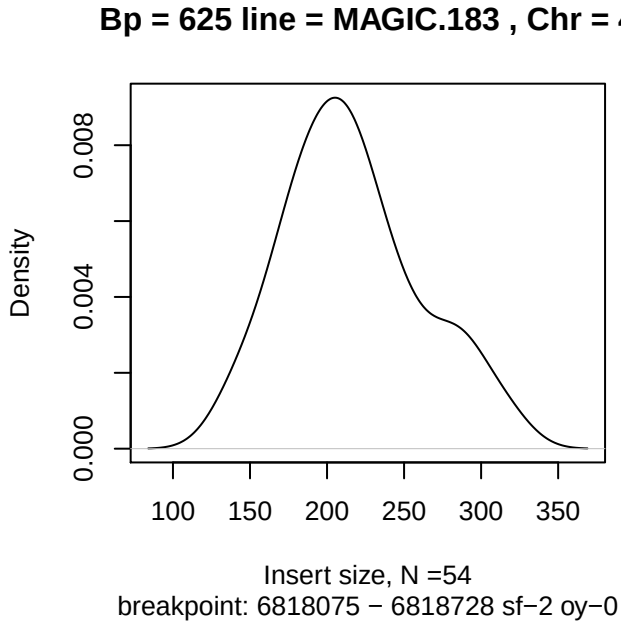
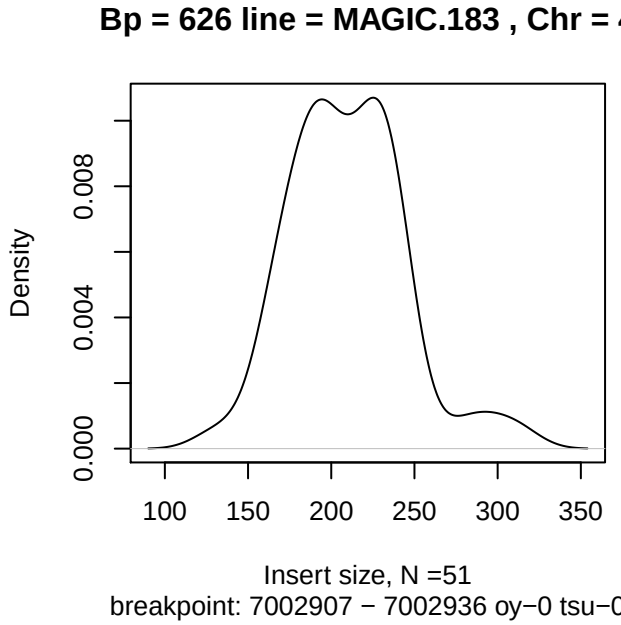
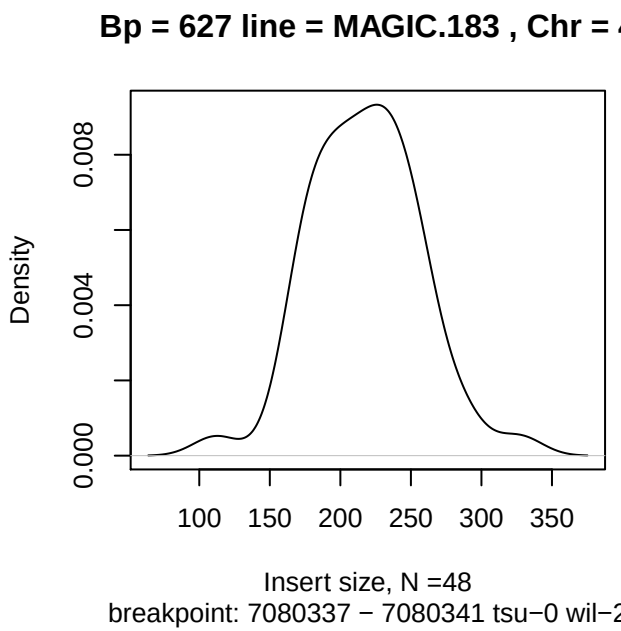
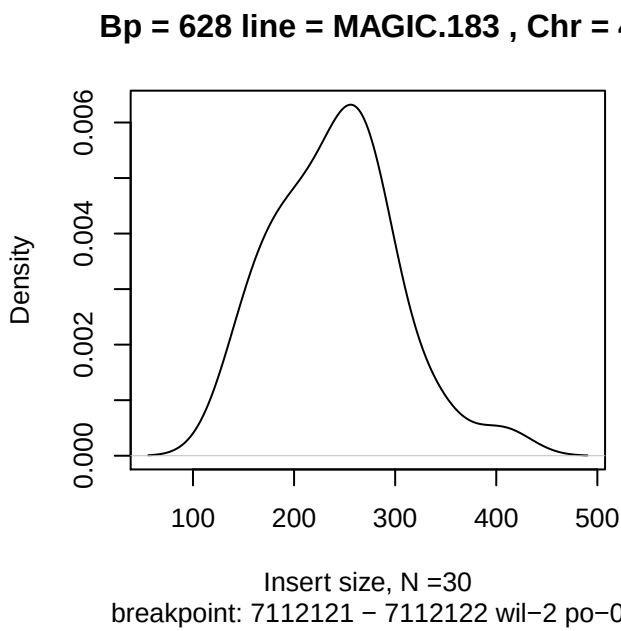
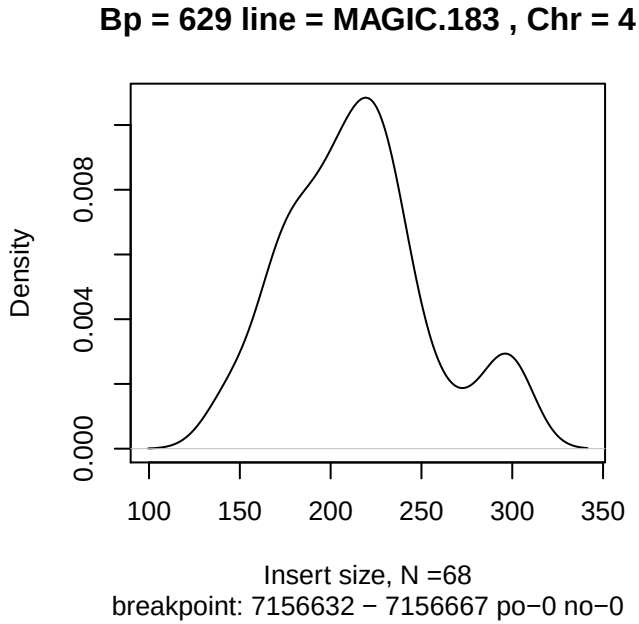
300
400
500
Insert size, N =28
breakpoint: 6790912 − 6790928 ct−1 sf−2

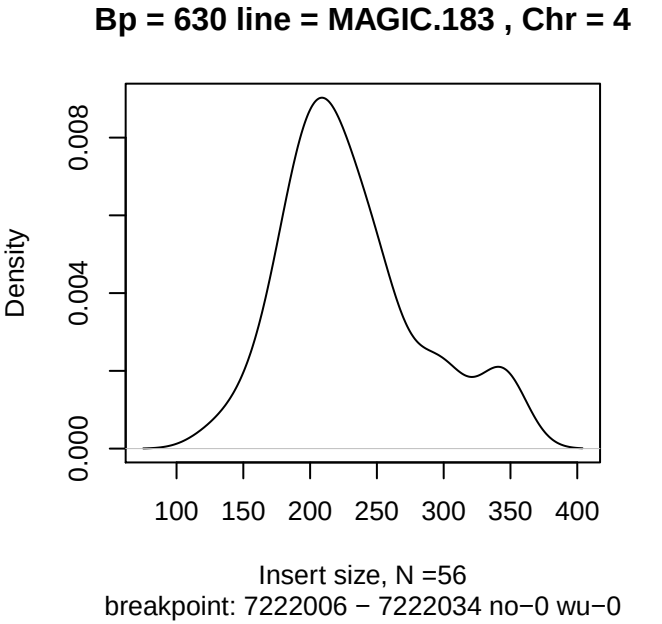

Bp = 625 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =54
breakpoint: 6818075 − 6818728 sf−2 oy−0

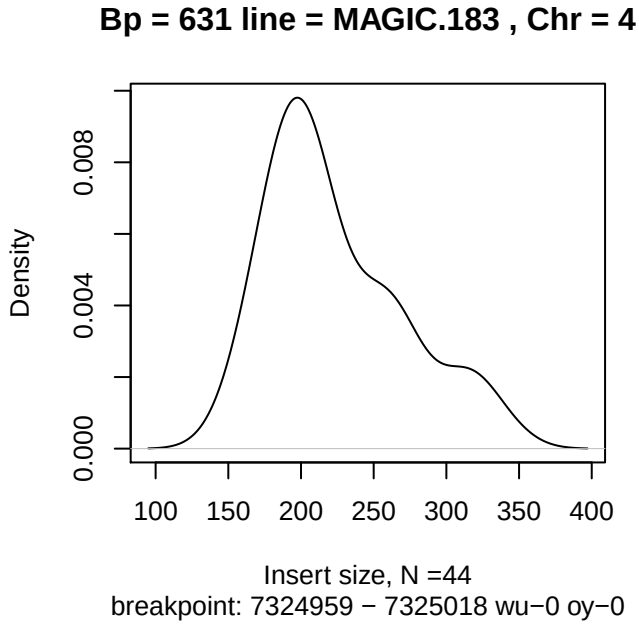

Bp = 626 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =51
breakpoint: 7002907 − 7002936 oy−0 tsu−0

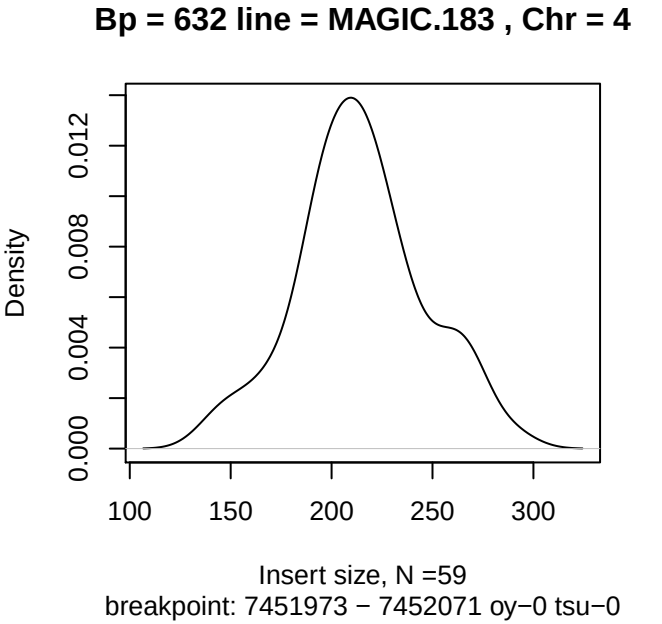

Bp = 627 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 7080337 − 7080341 tsu−0 wil−2

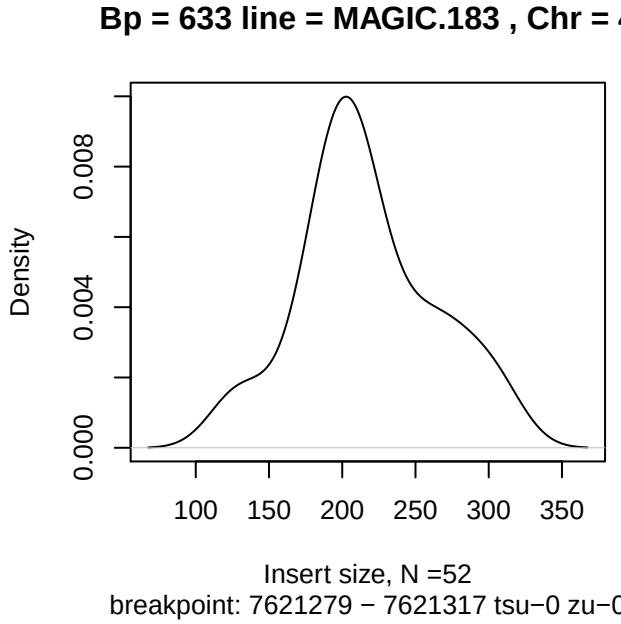

Bp = 628 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
500
Insert size, N =30
breakpoint: 7112121 − 7112122 wil−2 po−0

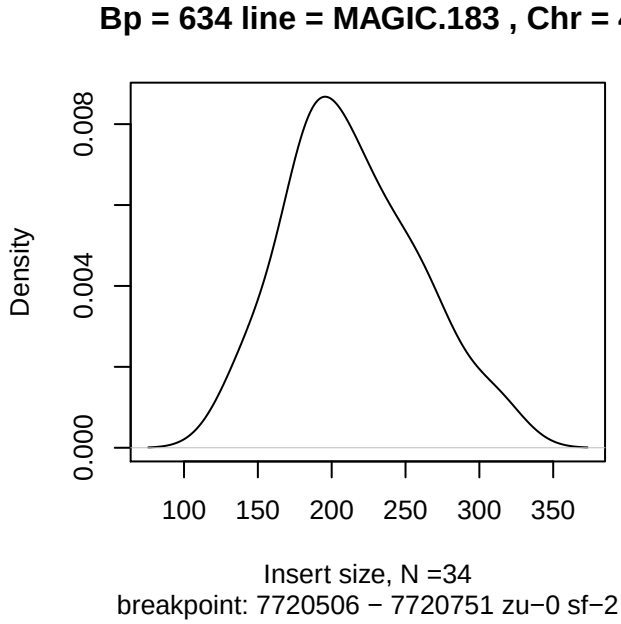

Bp = 629 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =68
breakpoint: 7156632 − 7156667 po−0 no−0

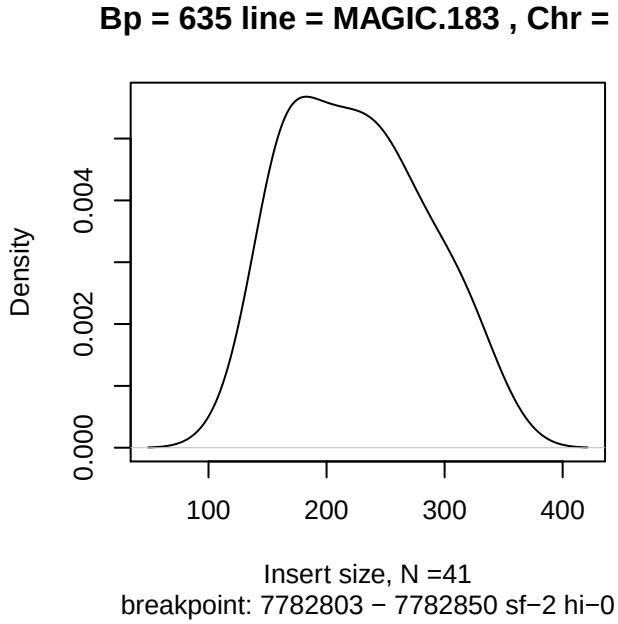

Bp = 630 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =56
breakpoint: 7222006 − 7222034 no−0 wu−0

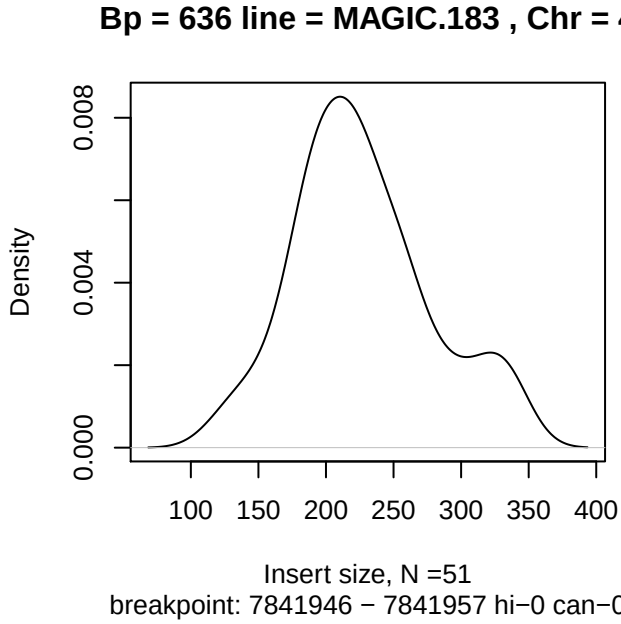

Bp = 631 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =44
breakpoint: 7324959 − 7325018 wu−0 oy−0

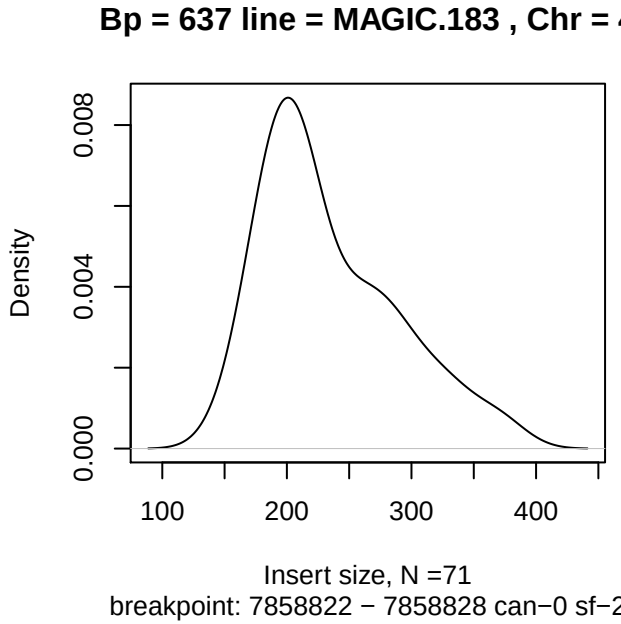

Bp = 632 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =59
breakpoint: 7451973 − 7452071 oy−0 tsu−0

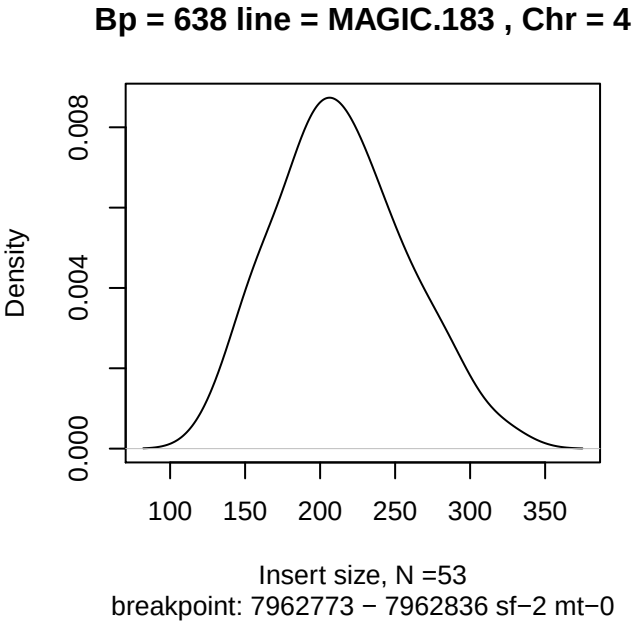

Bp = 633 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =52
breakpoint: 7621279 − 7621317 tsu−0 zu−0

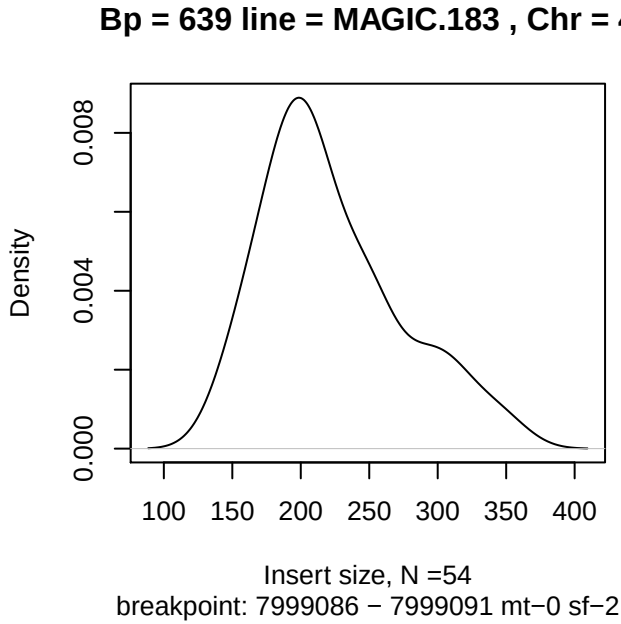

Bp = 634 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =34
breakpoint: 7720506 − 7720751 zu−0 sf−2

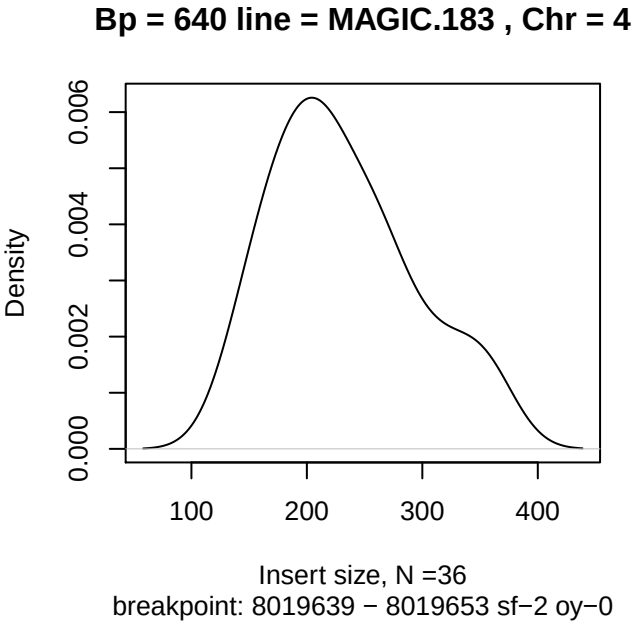

Bp = 635 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
100
200
300
400
Insert size, N =41
breakpoint: 7782803 − 7782850 sf−2 hi−0

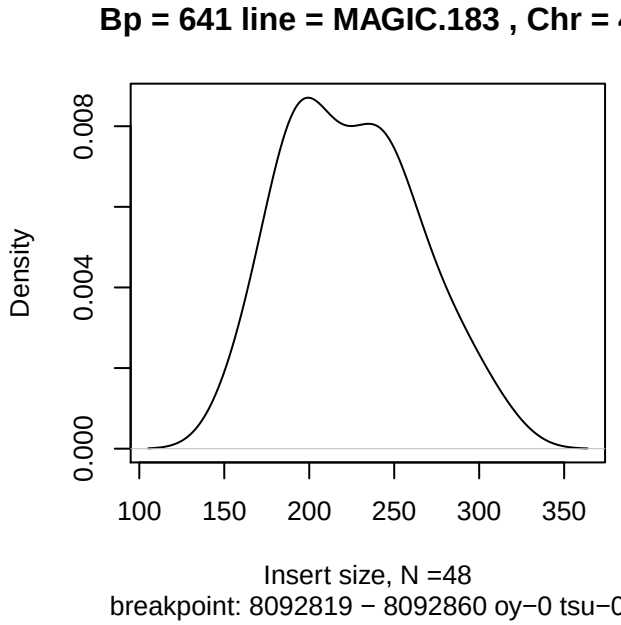

Bp = 636 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =51
breakpoint: 7841946 − 7841957 hi−0 can−0

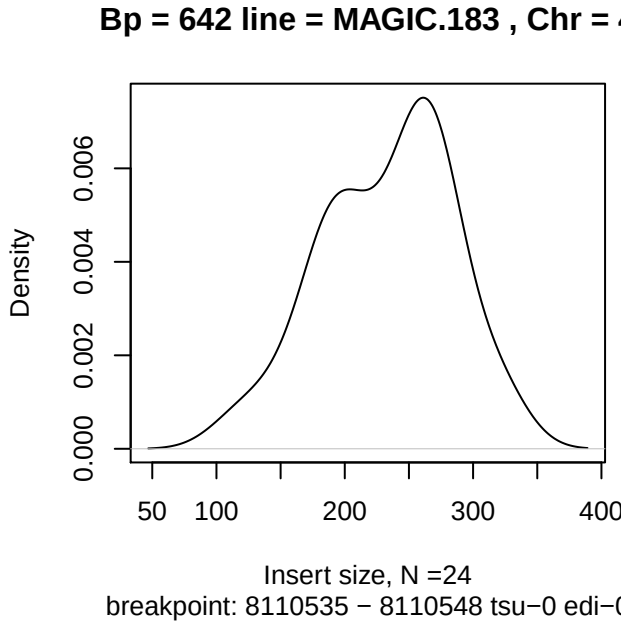

Bp = 637 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =71
breakpoint: 7858822 − 7858828 can−0 sf−2

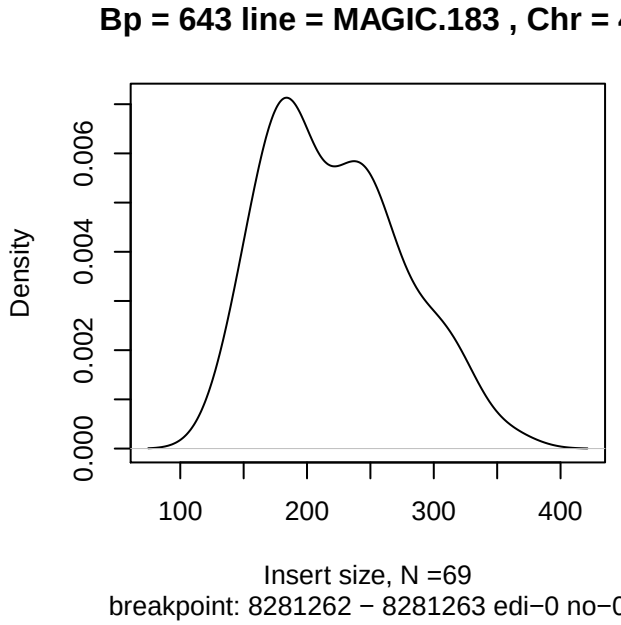

Bp = 638 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =53
breakpoint: 7962773 − 7962836 sf−2 mt−0

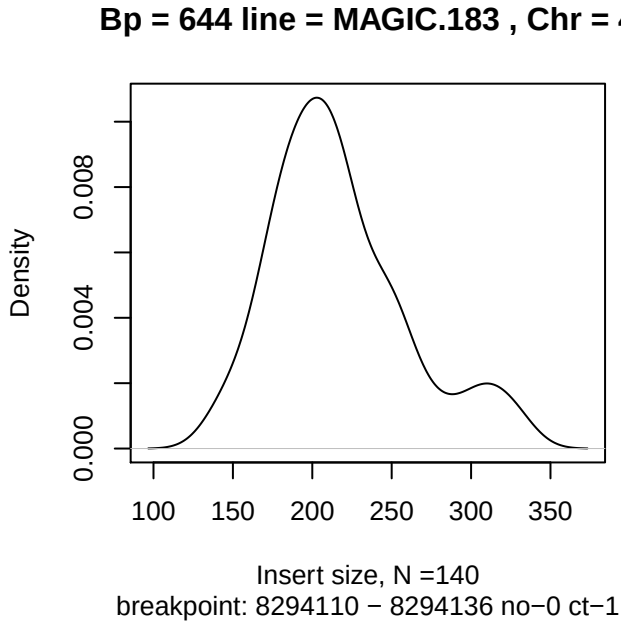

Bp = 639 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =54
breakpoint: 7999086 − 7999091 mt−0 sf−2

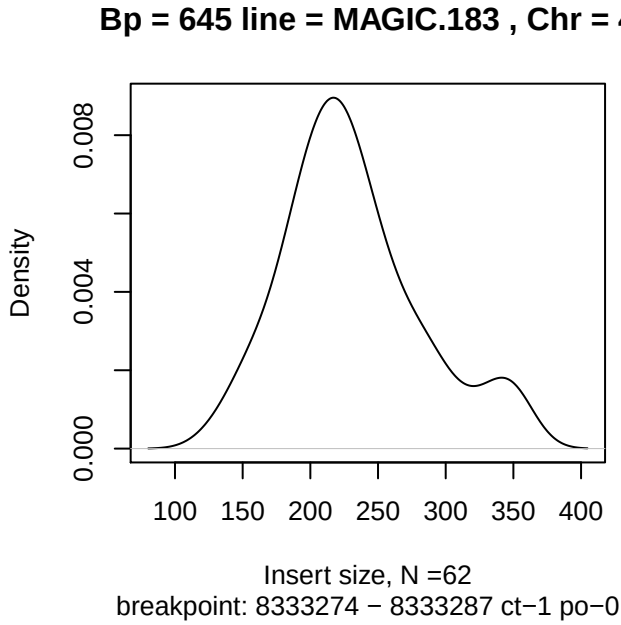

Bp = 640 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =36
breakpoint: 8019639 − 8019653 sf−2 oy−0

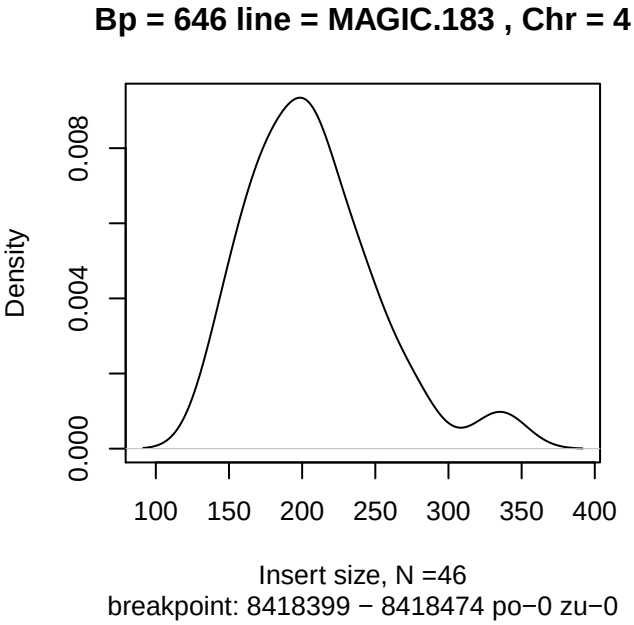

Bp = 641 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 8092819 − 8092860 oy−0 tsu−0

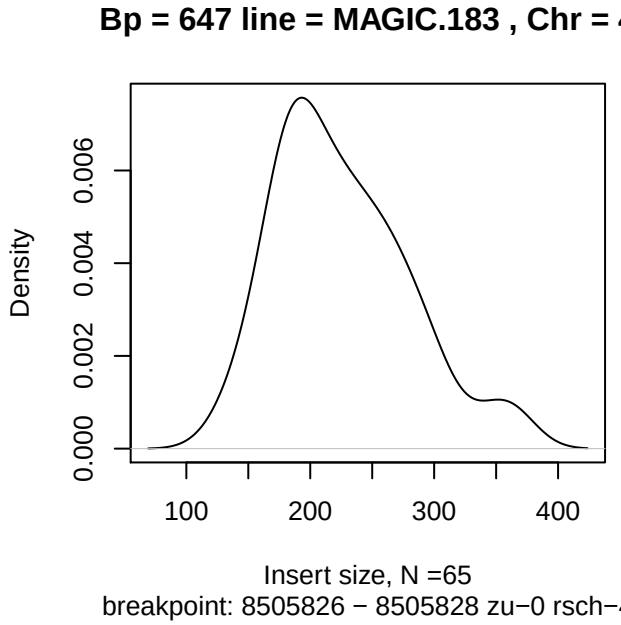

Bp = 642 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =24
breakpoint: 8110535 − 8110548 tsu−0 edi−0

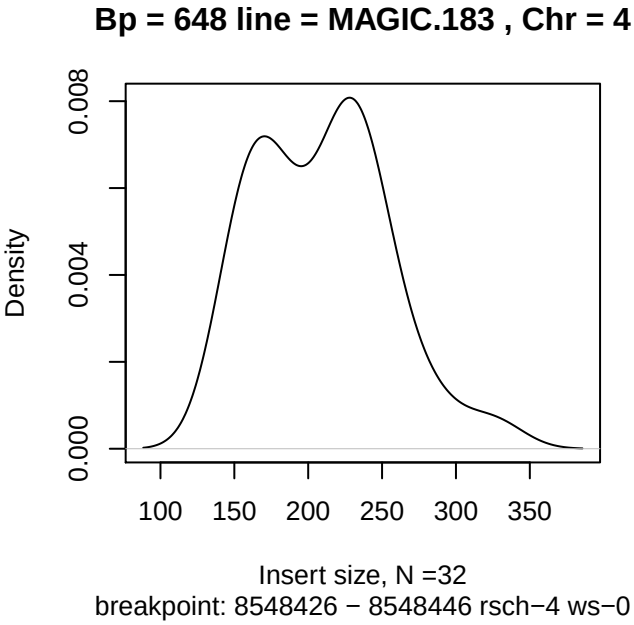

Bp = 643 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =69
breakpoint: 8281262 − 8281263 edi−0 no−0

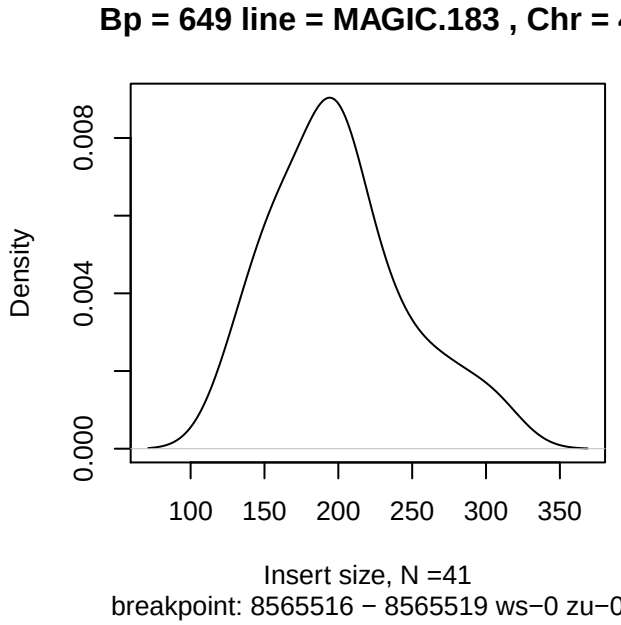

Bp = 644 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =140
breakpoint: 8294110 − 8294136 no−0 ct−1

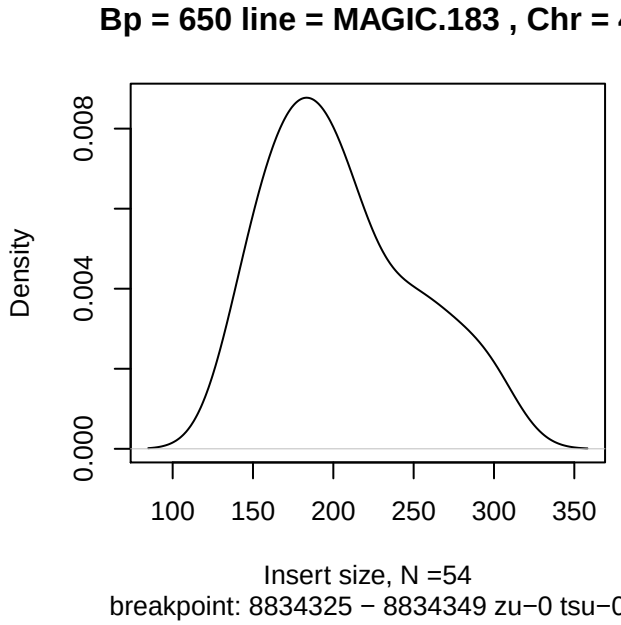

Bp = 645 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =62
breakpoint: 8333274 − 8333287 ct−1 po−0

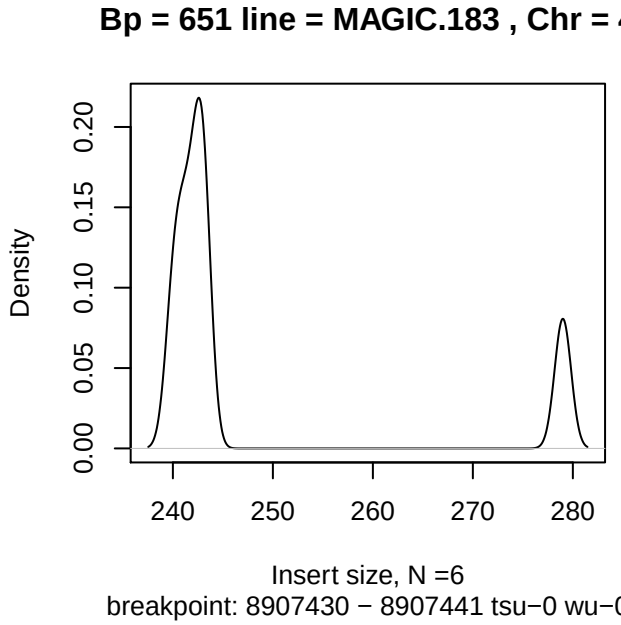

Bp = 646 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =46
breakpoint: 8418399 − 8418474 po−0 zu−0

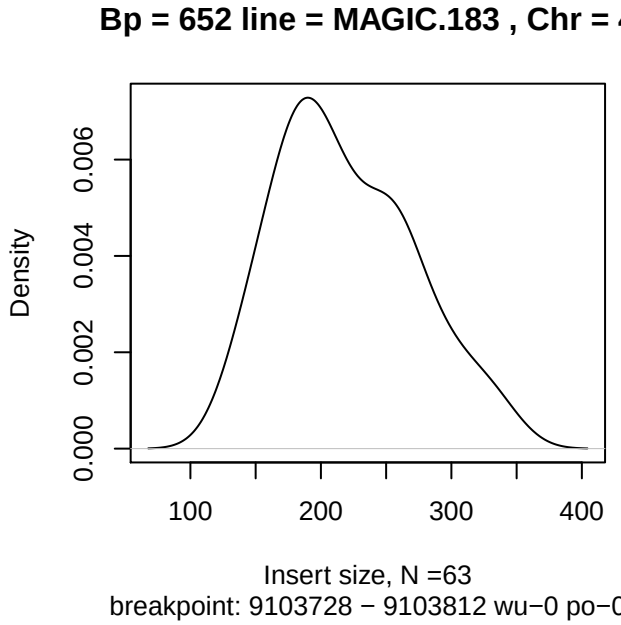

Bp = 647 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =65
breakpoint: 8505826 − 8505828 zu−0 rsch−4

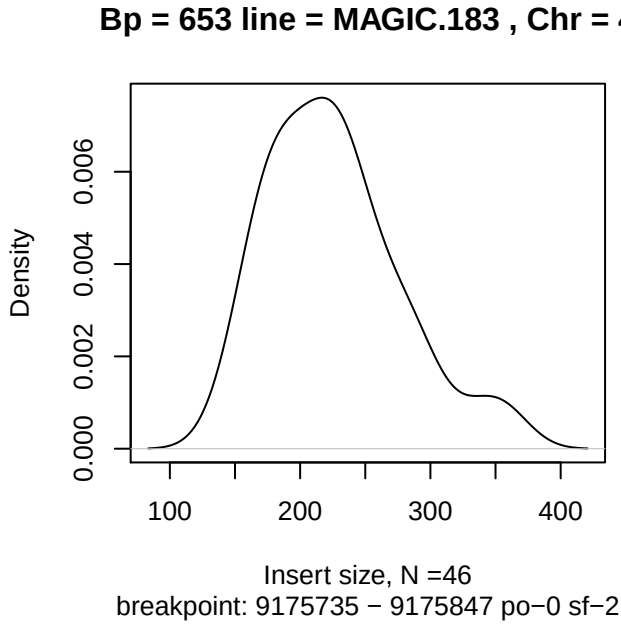

Bp = 648 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =32
breakpoint: 8548426 − 8548446 rsch−4 ws−0

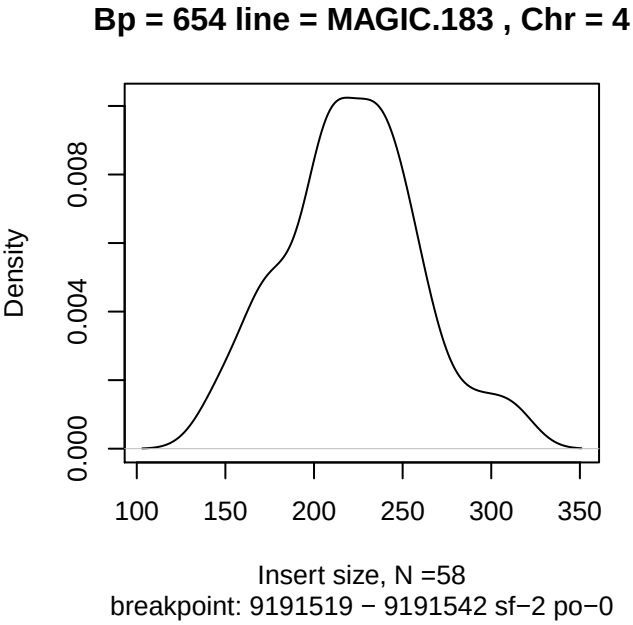

Bp = 649 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =41
breakpoint: 8565516 − 8565519 ws−0 zu−0

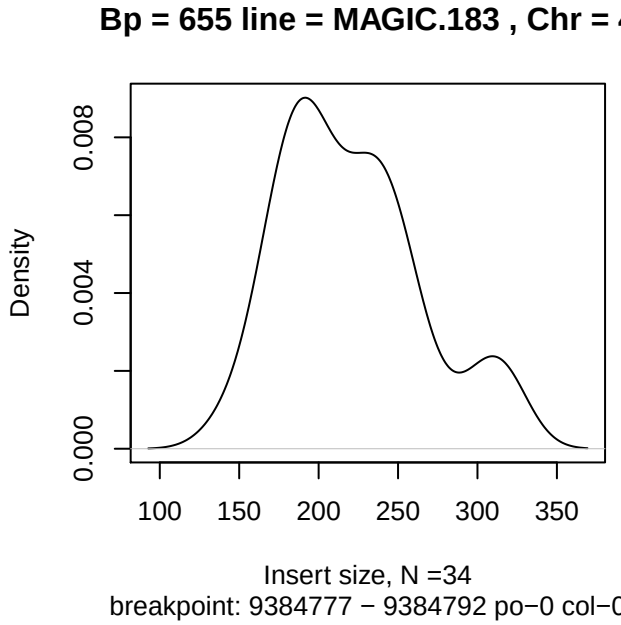

Bp = 650 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =54
breakpoint: 8834325 − 8834349 zu−0 tsu−0

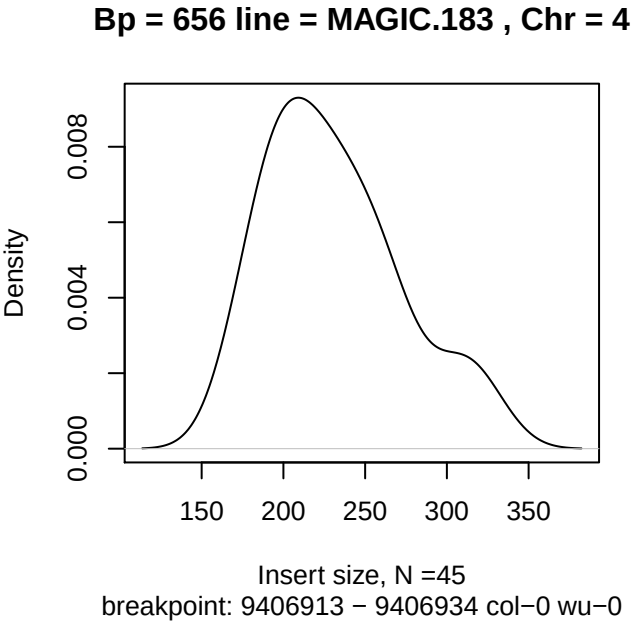

Bp = 651 line = MAGIC.183 , Chr = 4
Density
0.00
0.05
0.10
0.15
0.20
240
250
260
270
280
Insert size, N =6
breakpoint: 8907430 − 8907441 tsu−0 wu−0

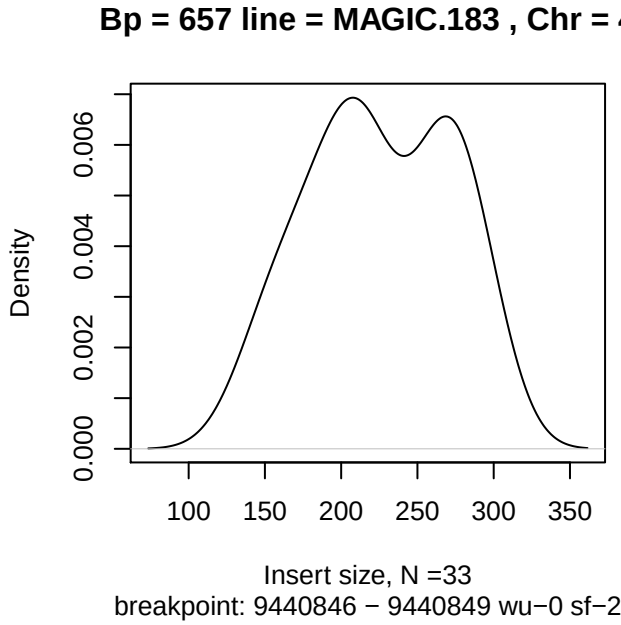

Bp = 652 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =63
breakpoint: 9103728 − 9103812 wu−0 po−0

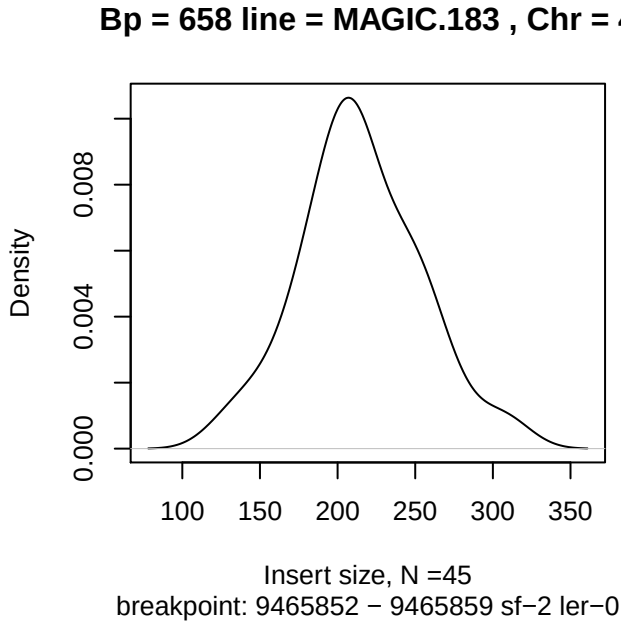

Bp = 653 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =46
breakpoint: 9175735 − 9175847 po−0 sf−2

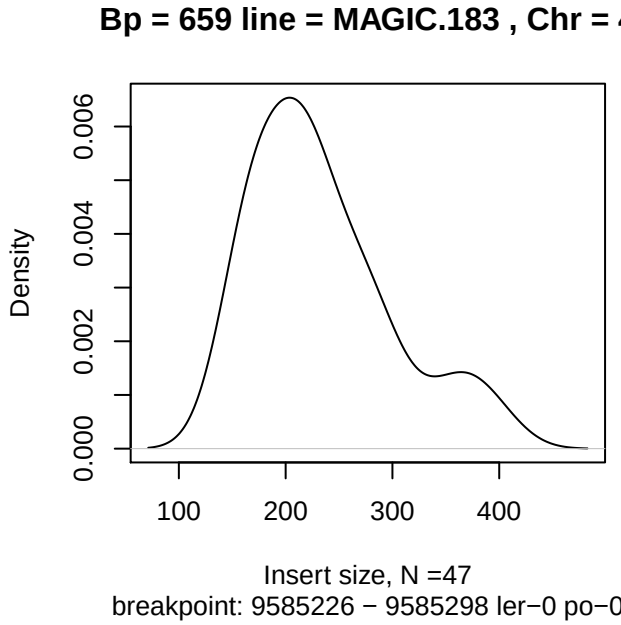

Bp = 654 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =58
breakpoint: 9191519 − 9191542 sf−2 po−0

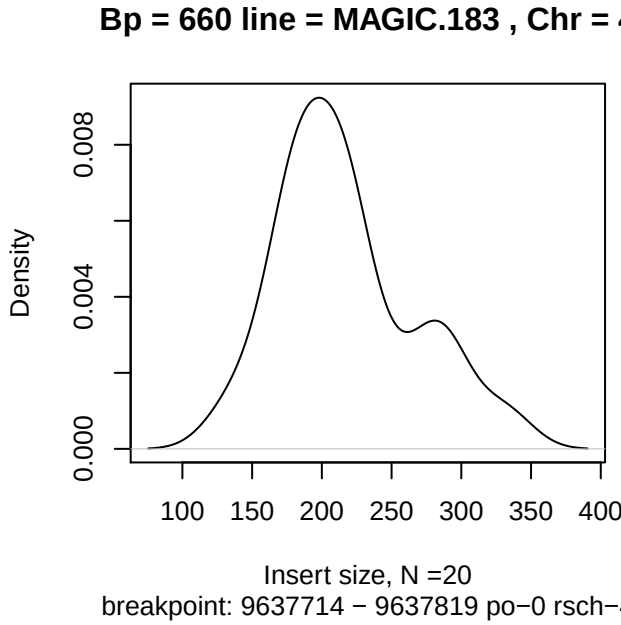

Bp = 655 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =34
breakpoint: 9384777 − 9384792 po−0 col−0

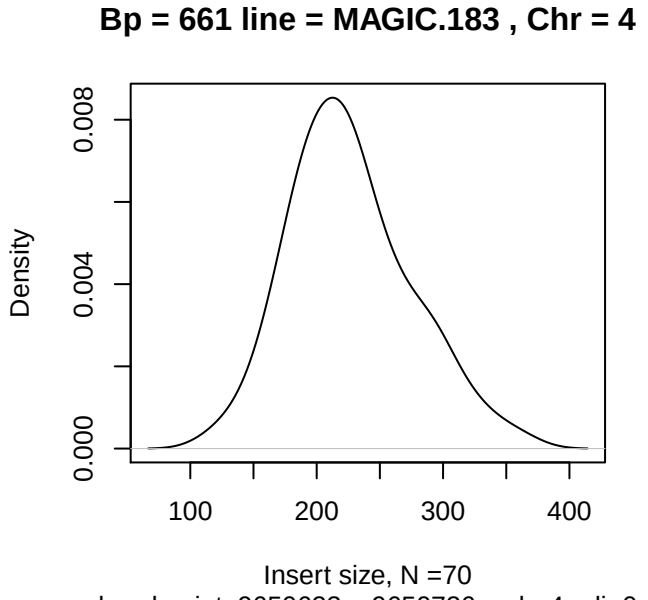

Bp = 656 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =45
breakpoint: 9406913 − 9406934 col−0 wu−0

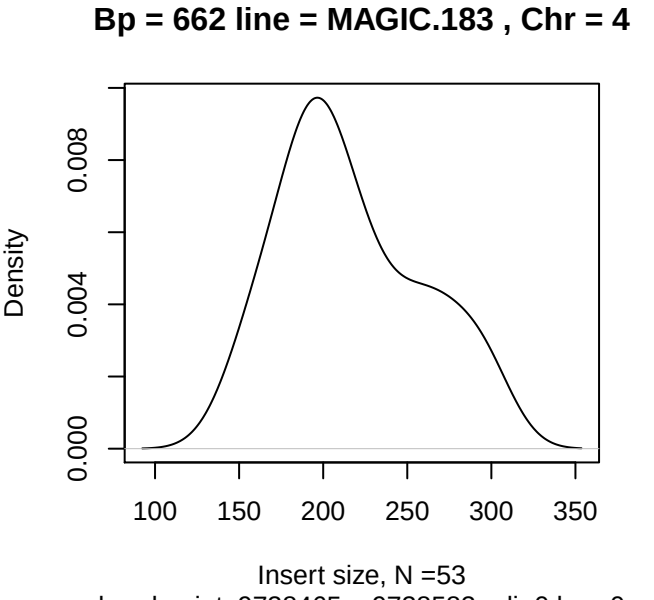

Bp = 657 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =33
breakpoint: 9440846 − 9440849 wu−0 sf−2

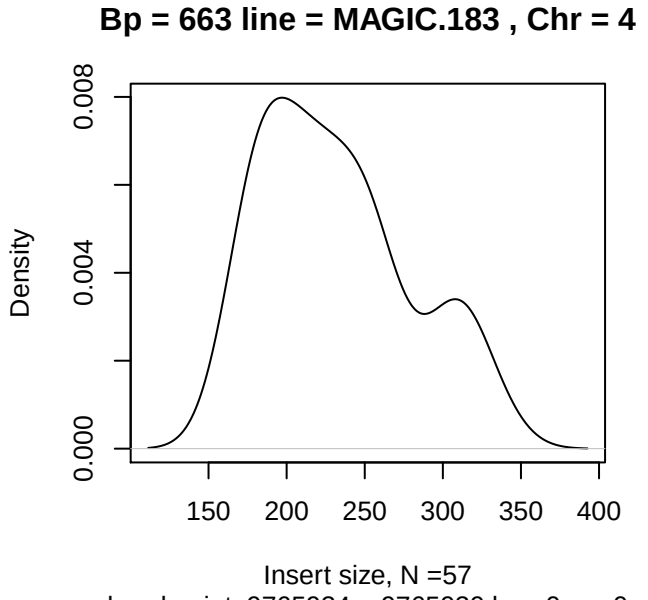

Bp = 658 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 9465852 − 9465859 sf−2 ler−0

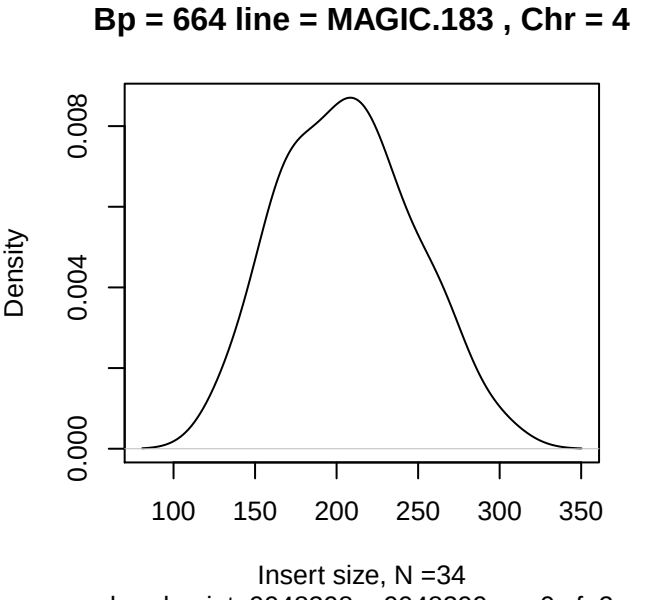

Bp = 659 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =47
breakpoint: 9585226 − 9585298 ler−0 po−0

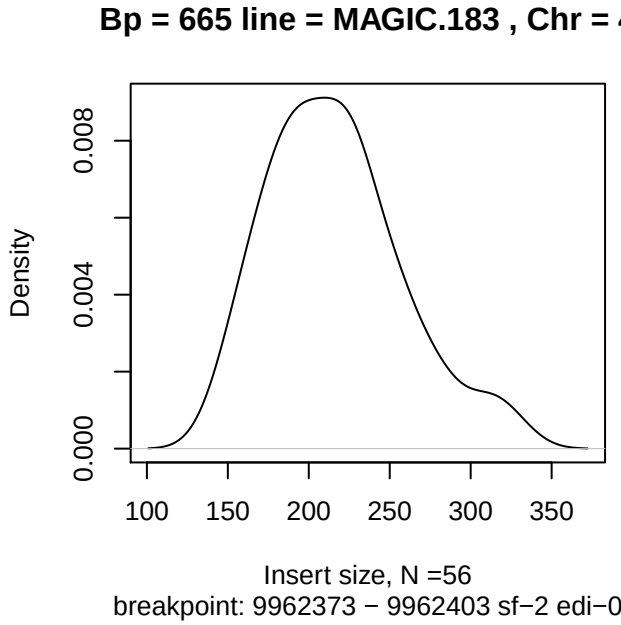

Bp = 660 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =20
breakpoint: 9637714 − 9637819 po−0 rsch−4

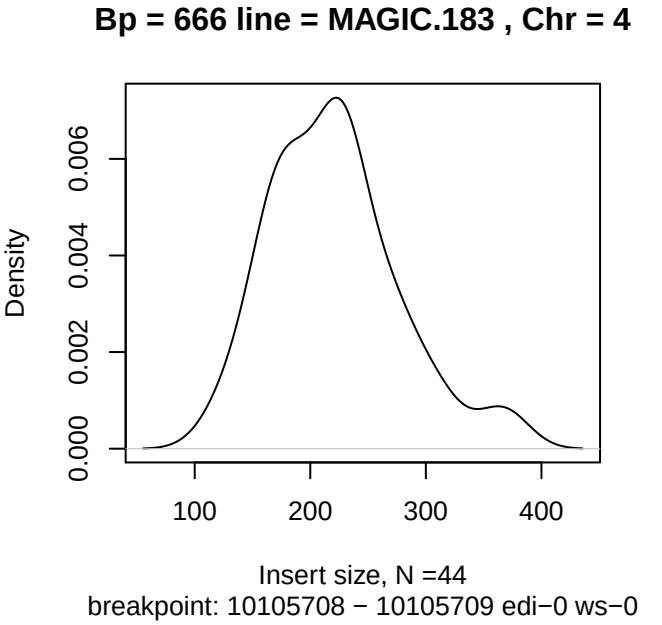

Bp = 661 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =70
breakpoint: 9650623 − 9650726 rsch−4 edi−0

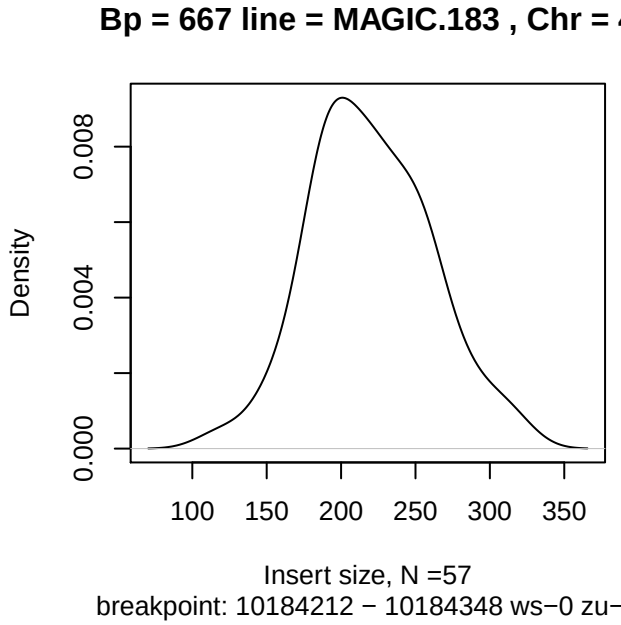

Bp = 662 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =53
breakpoint: 9738465 − 9738583 edi−0 bur−0

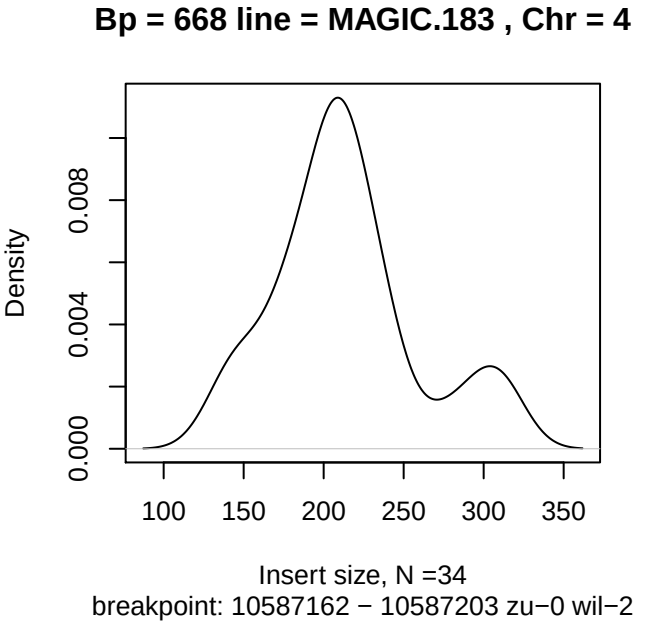

Bp = 663 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
150
200
250
300
350
400
Insert size, N =57
breakpoint: 9765934 − 9765939 bur−0 po−0

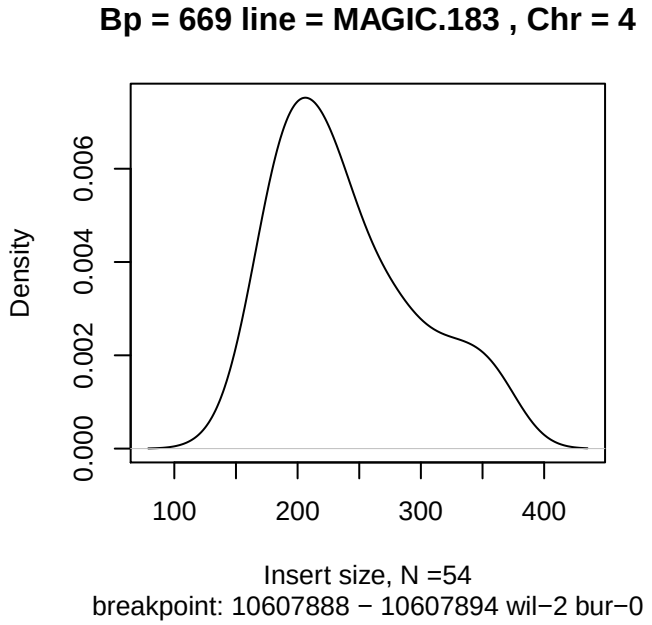

Bp = 664 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =34
breakpoint: 9948398 − 9948399 po−0 sf−2

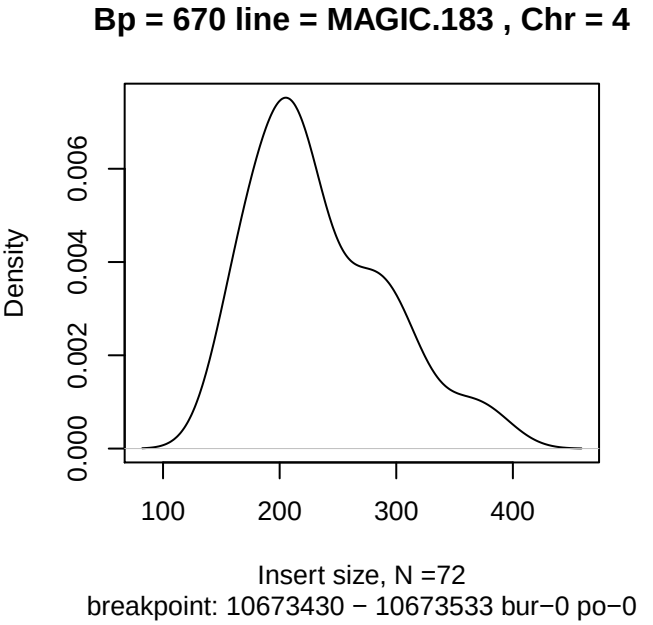

Bp = 665 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =56
breakpoint: 9962373 − 9962403 sf−2 edi−0

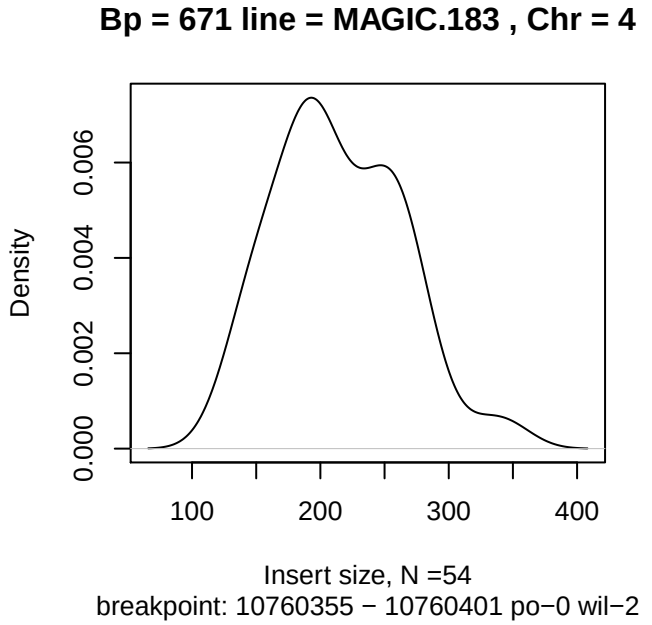

Bp = 666 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =44
breakpoint: 10105708 − 10105709 edi−0 ws−0

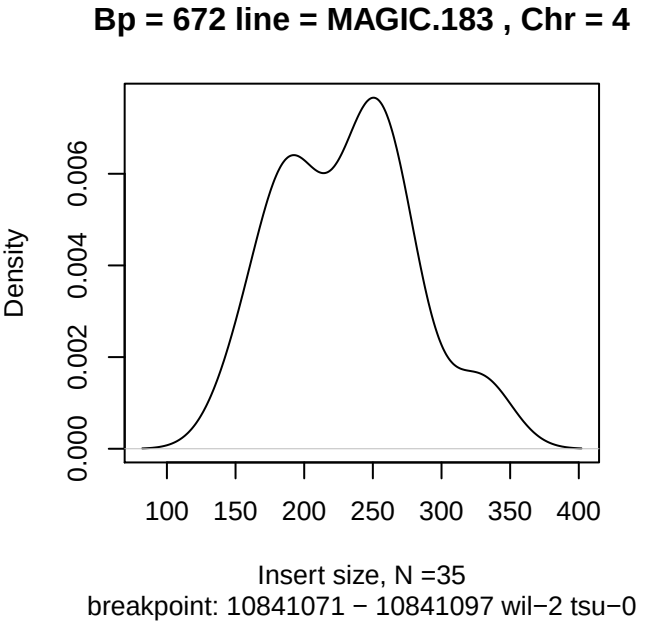

Bp = 667 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =57
breakpoint: 10184212 − 10184348 ws−0 zu−0


Bp = 668 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =34
breakpoint: 10587162 − 10587203 zu−0 wil−2


Bp = 669 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =54
breakpoint: 10607888 − 10607894 wil−2 bur−0


Bp = 670 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =72
breakpoint: 10673430 − 10673533 bur−0 po−0


Bp = 671 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =54
breakpoint: 10760355 − 10760401 po−0 wil−2


Bp = 672 line = MAGIC.183 , Chr = 4
Density
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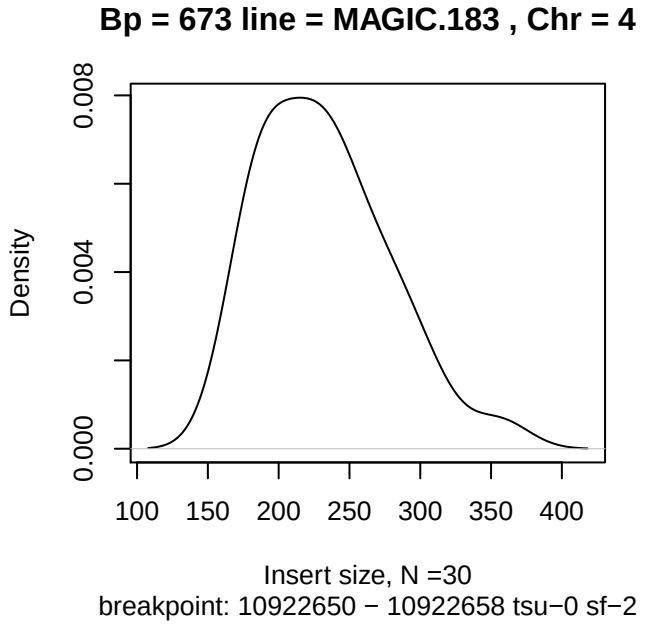
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =35
breakpoint: 10841071 − 10841097 wil−2 tsu−0


Bp = 673 line = MAGIC.183 , Chr = 4
Density
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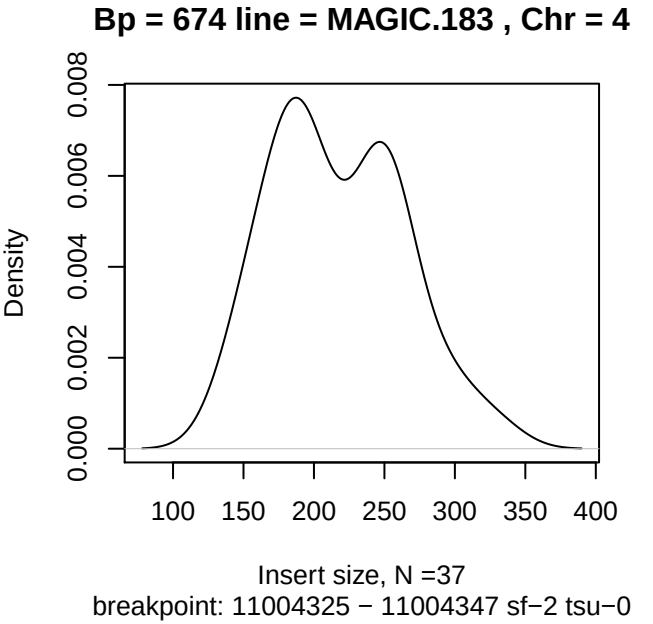
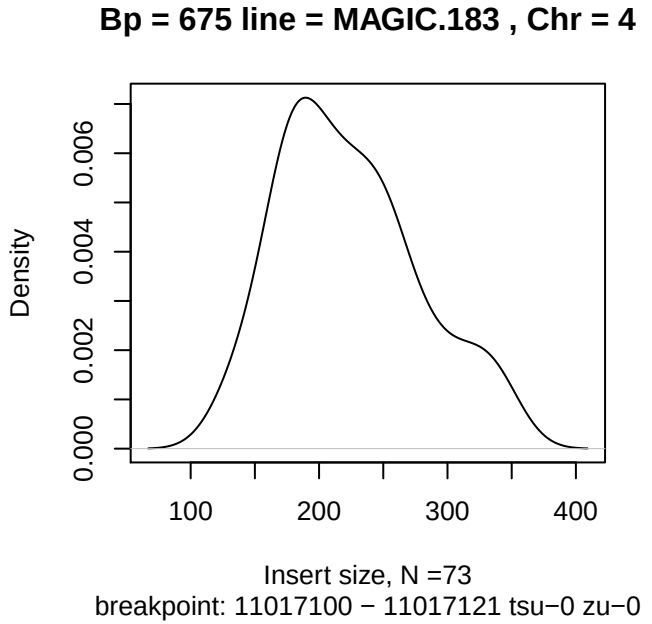
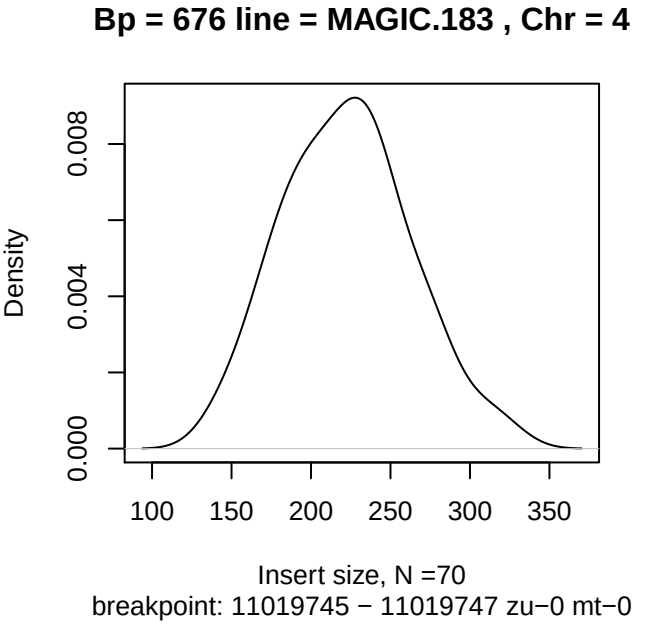
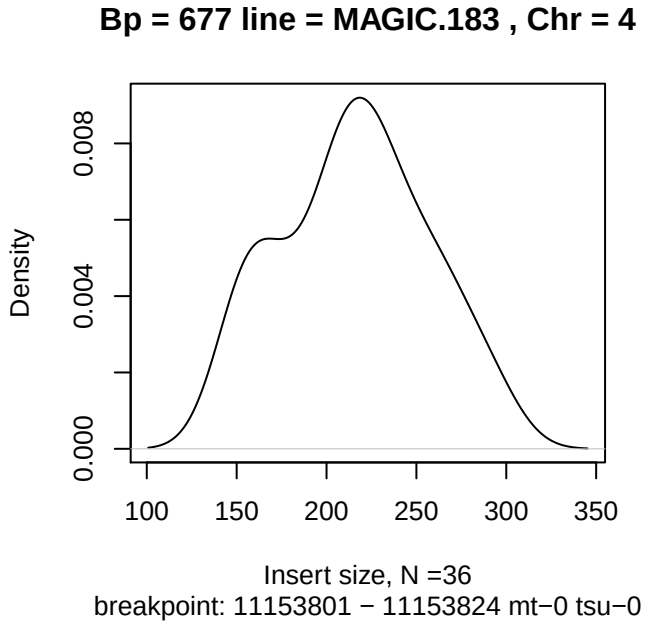
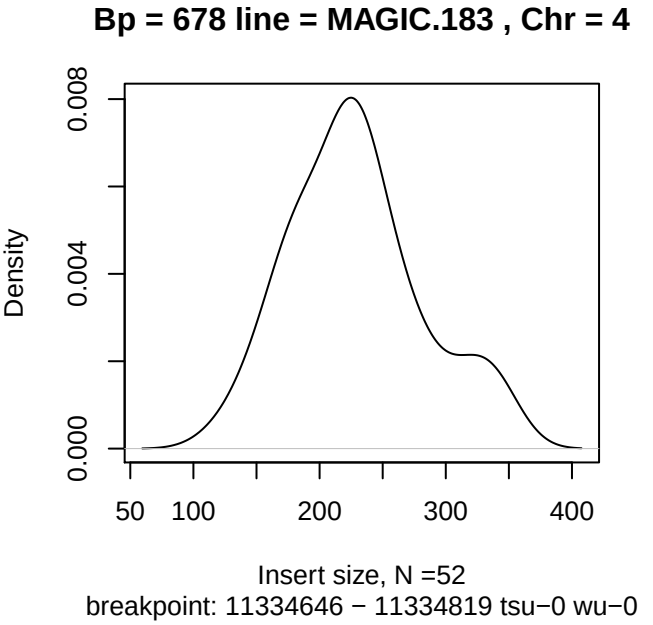
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =30
breakpoint: 10922650 − 10922658 tsu−0 sf−2

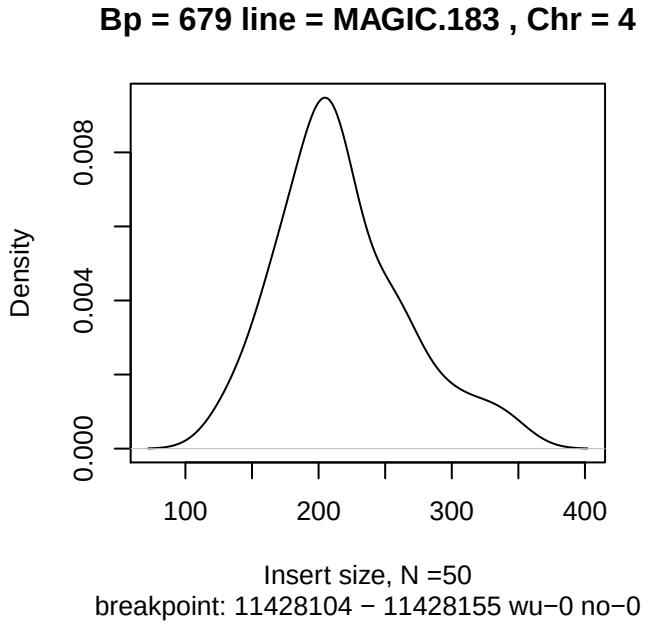

Bp = 674 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =37
breakpoint: 11004325 − 11004347 sf−2 tsu−0

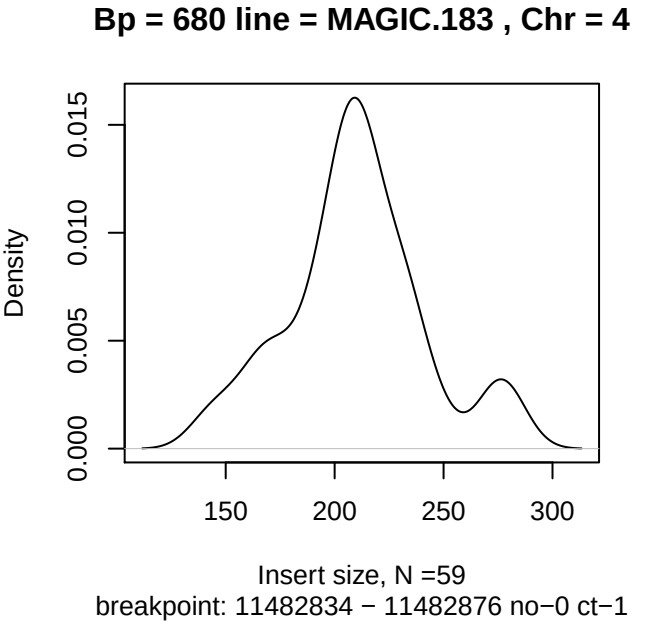

Bp = 675 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =73
breakpoint: 11017100 − 11017121 tsu−0 zu−0

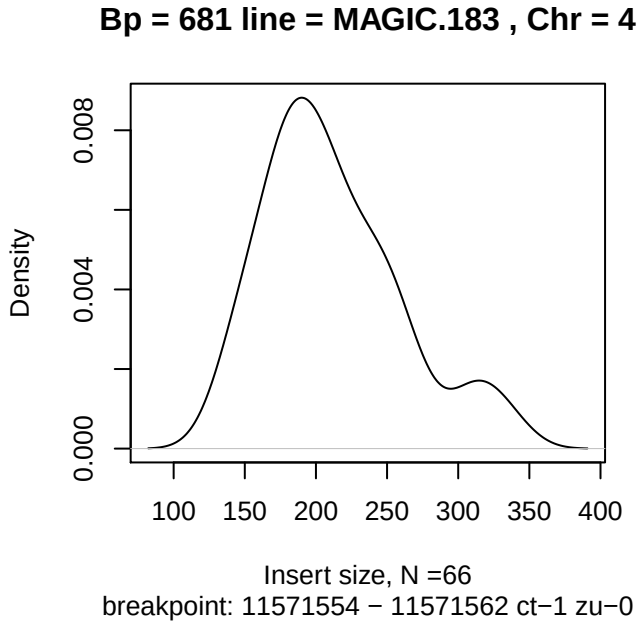

Bp = 676 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =70
breakpoint: 11019745 − 11019747 zu−0 mt−0

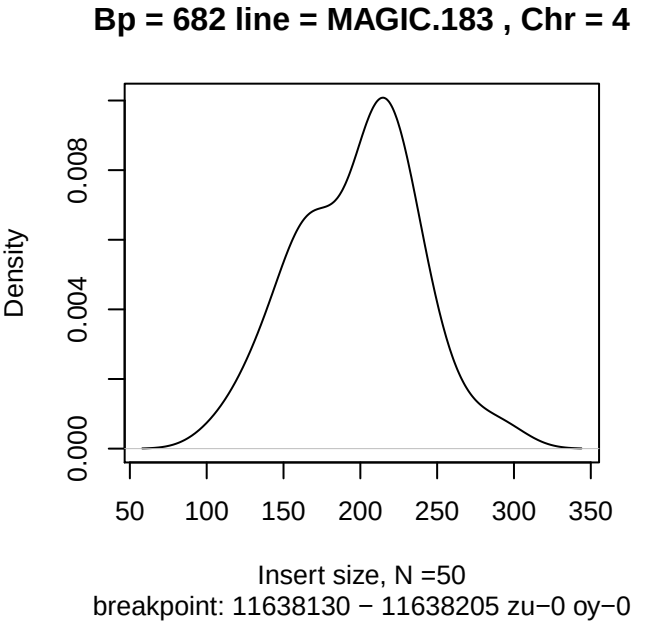

Bp = 677 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =36
breakpoint: 11153801 − 11153824 mt−0 tsu−0

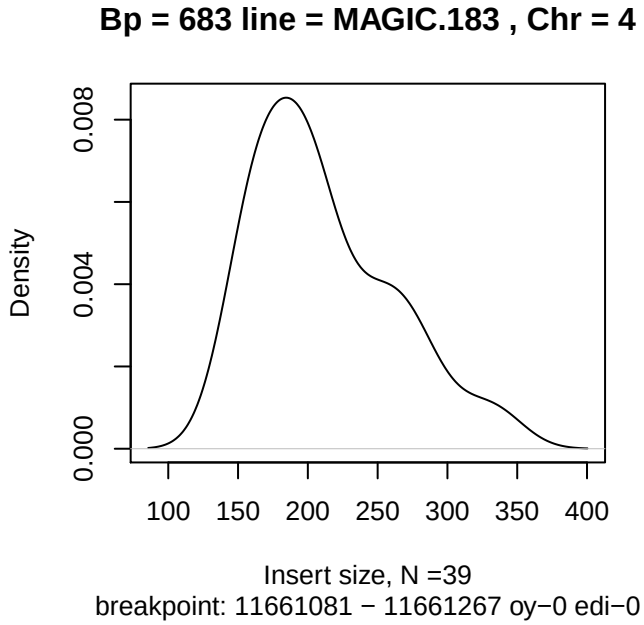

Bp = 678 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =52
breakpoint: 11334646 − 11334819 tsu−0 wu−0

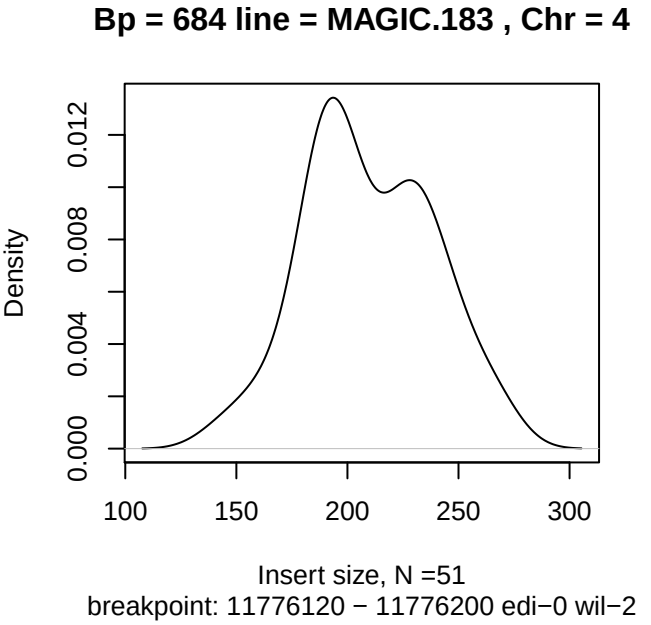

Bp = 679 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =50
breakpoint: 11428104 − 11428155 wu−0 no−0

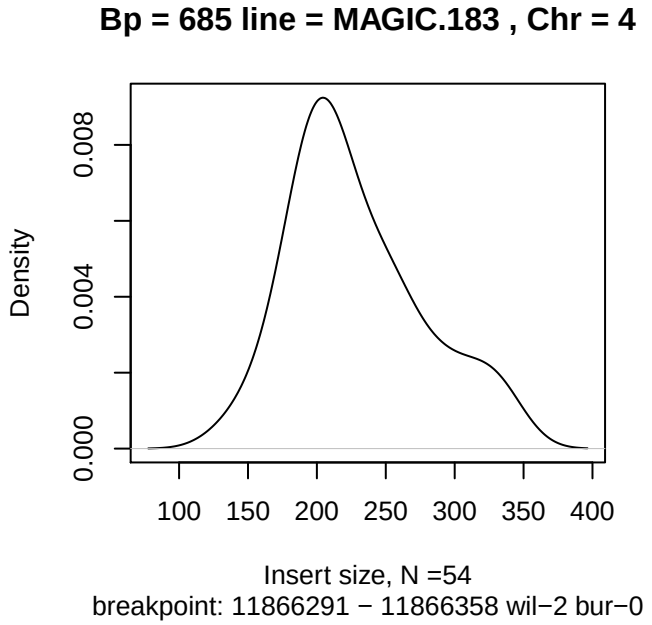

Bp = 680 line = MAGIC.183 , Chr = 4
Density
0.000
0.005
0.010
0.015
150
200
250
300
Insert size, N =59
breakpoint: 11482834 − 11482876 no−0 ct−1

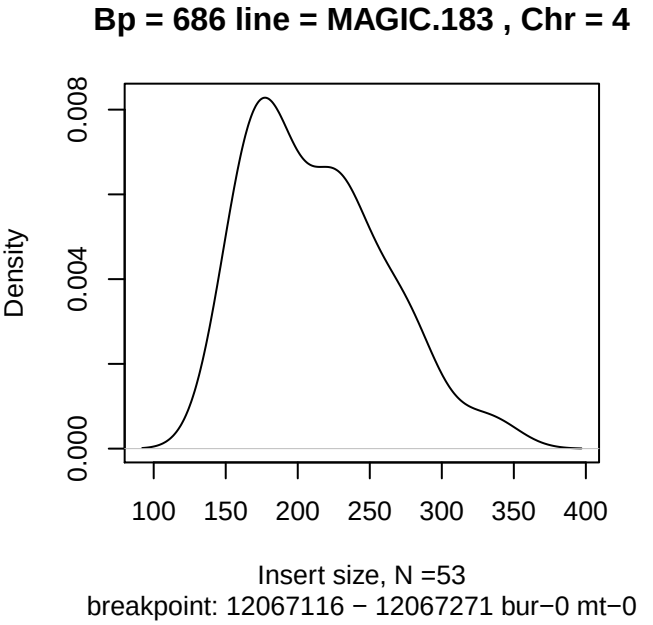

Bp = 681 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =66
breakpoint: 11571554 − 11571562 ct−1 zu−0

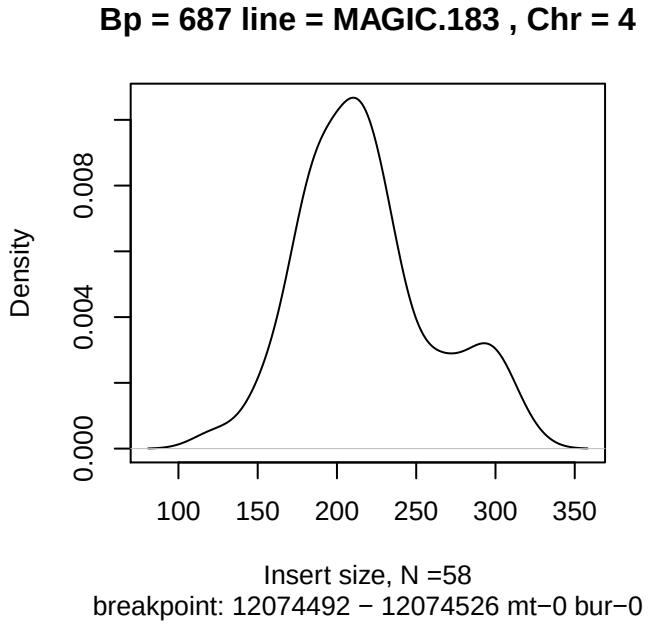

Bp = 682 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =50
breakpoint: 11638130 − 11638205 zu−0 oy−0

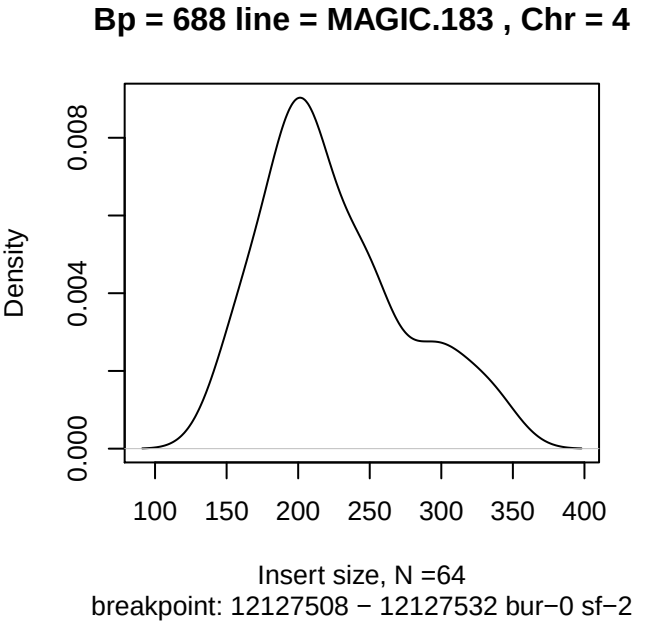

Bp = 683 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =39
breakpoint: 11661081 − 11661267 oy−0 edi−0

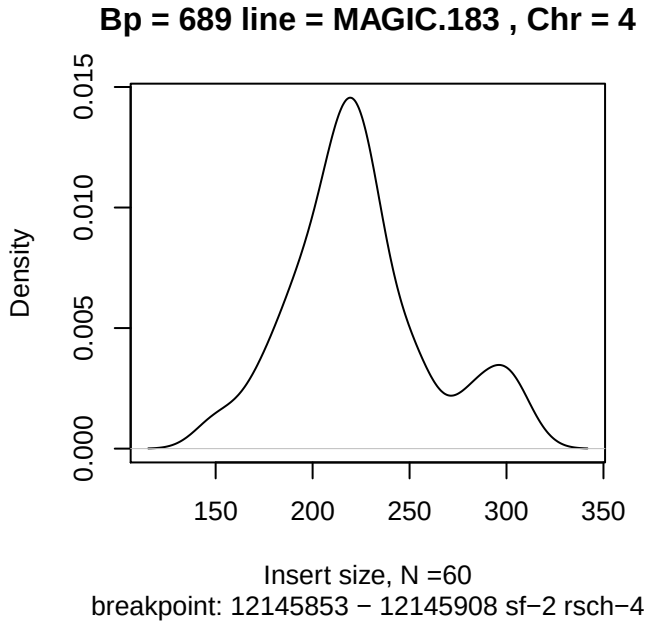

Bp = 684 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =51
breakpoint: 11776120 − 11776200 edi−0 wil−2

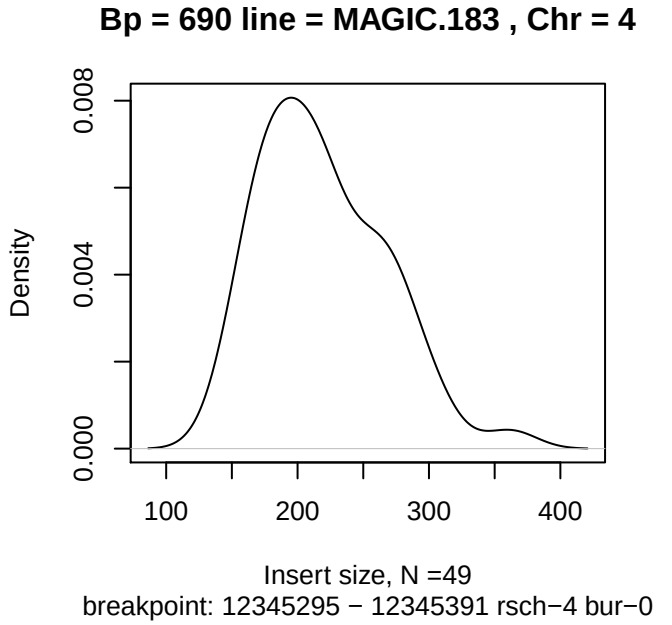

Bp = 685 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =54
breakpoint: 11866291 − 11866358 wil−2 bur−0

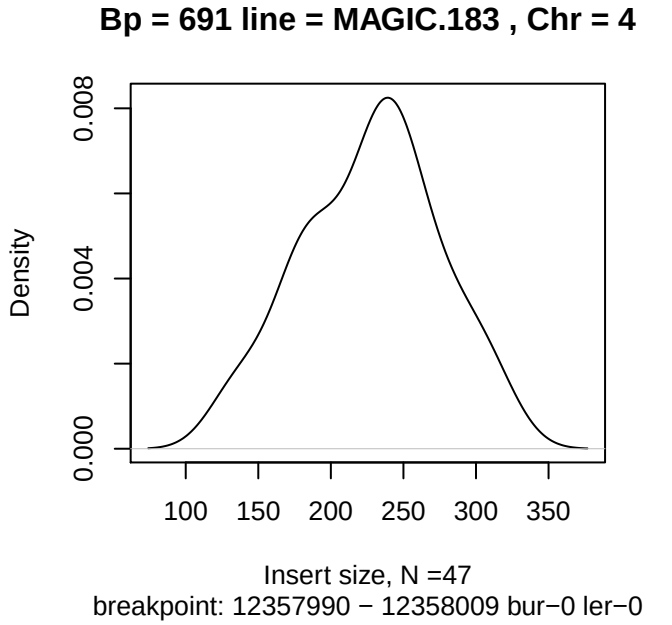

Bp = 686 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =53
breakpoint: 12067116 − 12067271 bur−0 mt−0

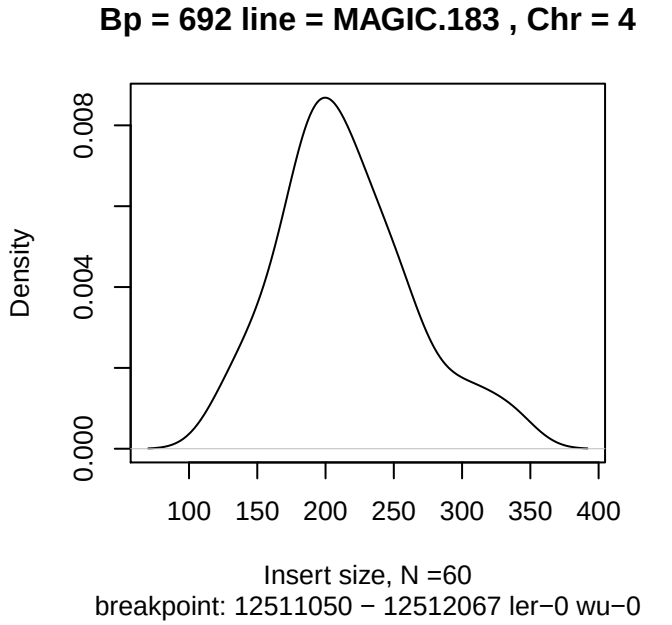

Bp = 687 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =58
breakpoint: 12074492 − 12074526 mt−0 bur−0

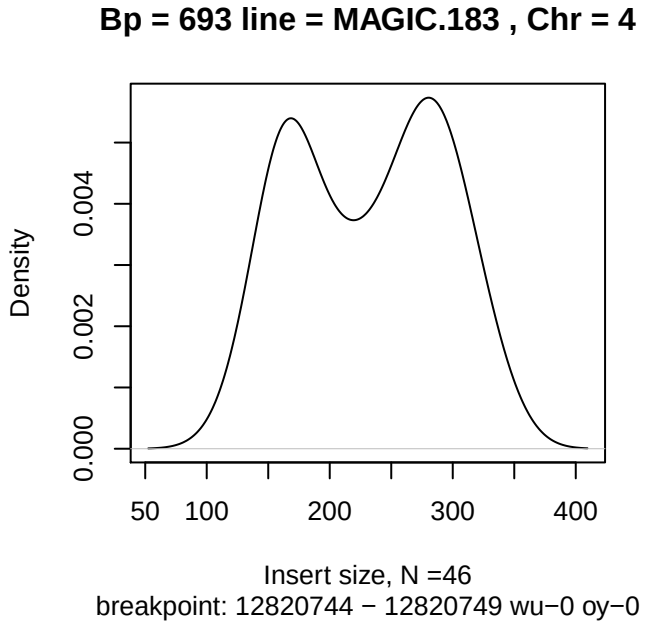

Bp = 688 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =64
breakpoint: 12127508 − 12127532 bur−0 sf−2

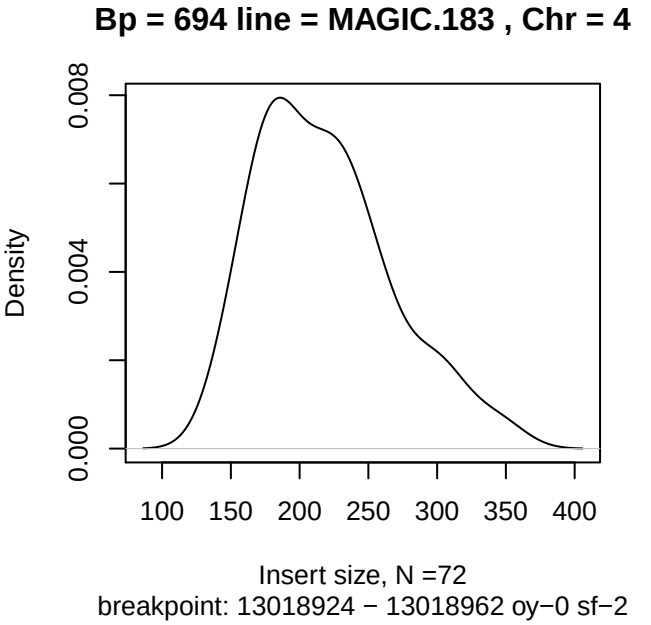

Bp = 689 line = MAGIC.183 , Chr = 4
Density
0.000
0.005
0.010
0.015
150
200
250
300
350
Insert size, N =60
breakpoint: 12145853 − 12145908 sf−2 rsch−4

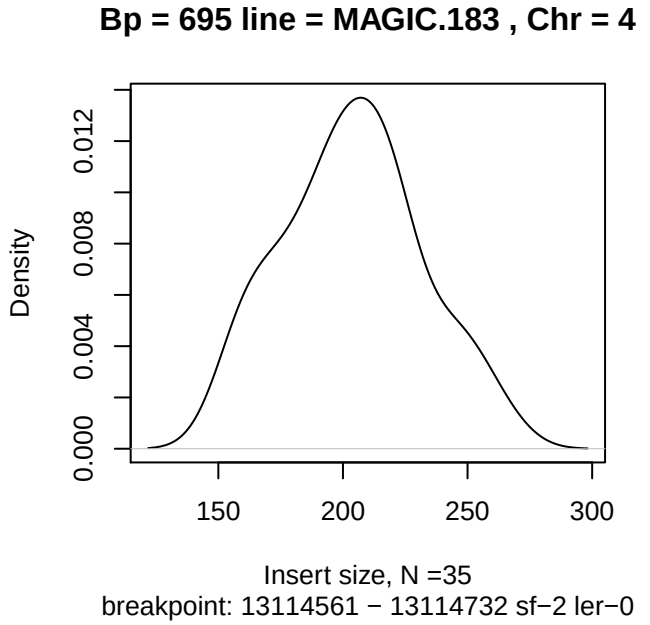

Bp = 690 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =49
breakpoint: 12345295 − 12345391 rsch−4 bur−0

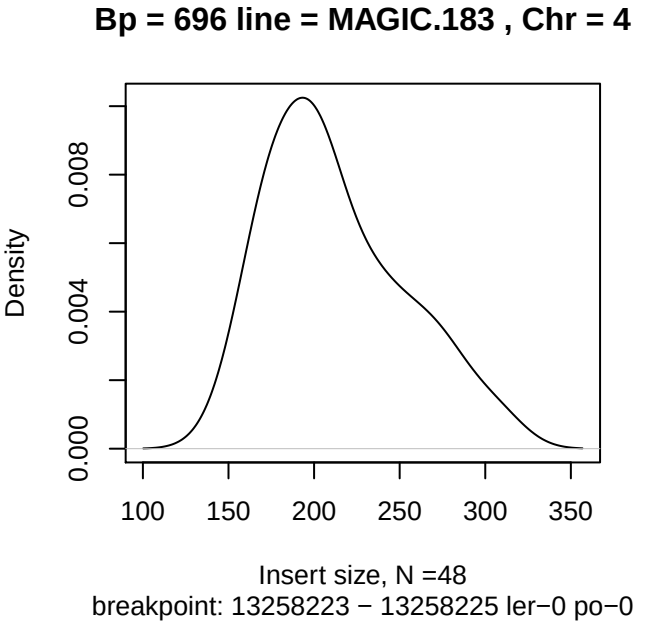

Bp = 691 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =47
breakpoint: 12357990 − 12358009 bur−0 ler−0

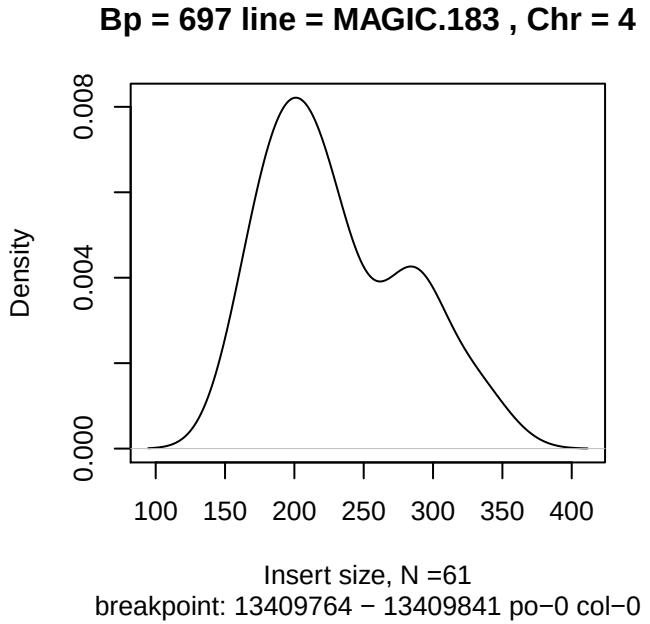

Bp = 692 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =60
breakpoint: 12511050 − 12512067 ler−0 wu−0

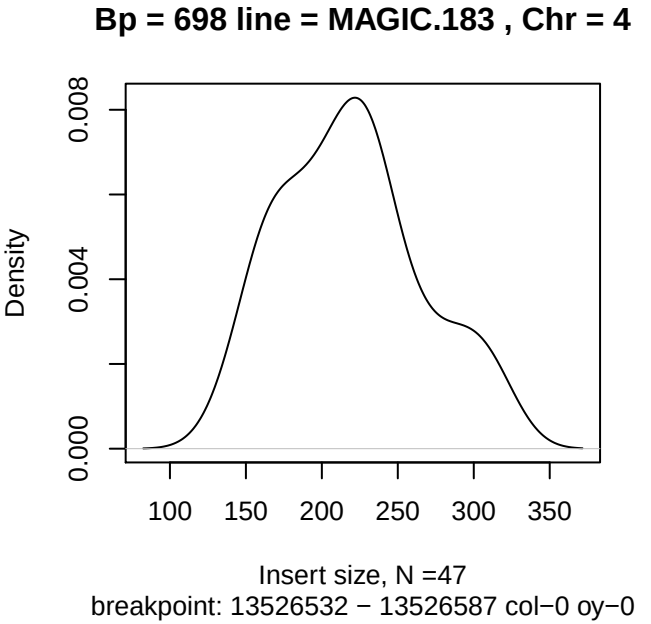

Bp = 693 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
50
100
200
300
400
Insert size, N =46
breakpoint: 12820744 − 12820749 wu−0 oy−0

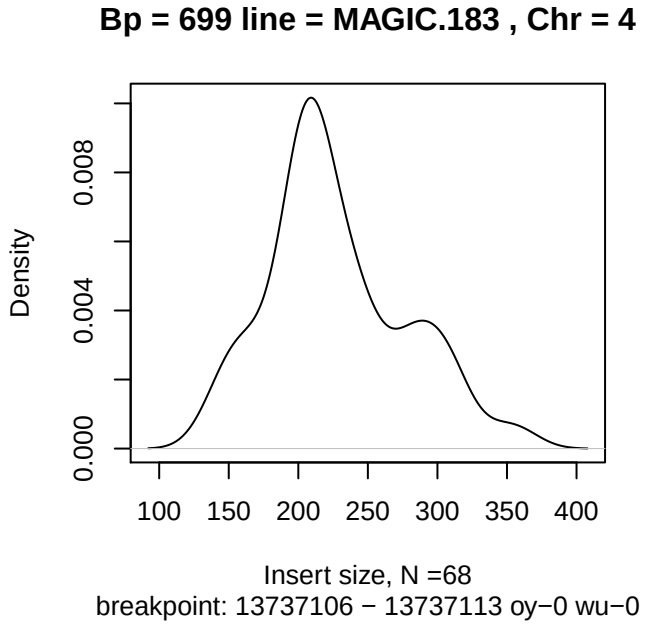

Bp = 694 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =72
breakpoint: 13018924 − 13018962 oy−0 sf−2

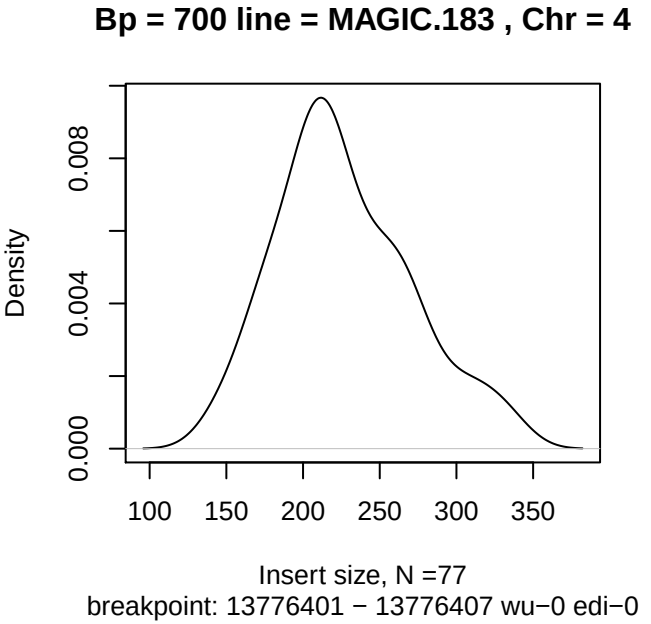

Bp = 695 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
0.012
150
200
250
300
Insert size, N =35
breakpoint: 13114561 − 13114732 sf−2 ler−0

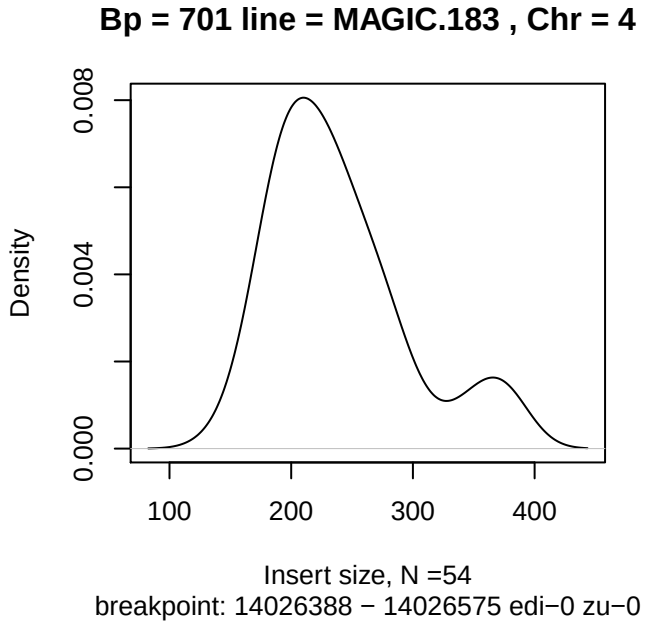

Bp = 696 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 13258223 − 13258225 ler−0 po−0

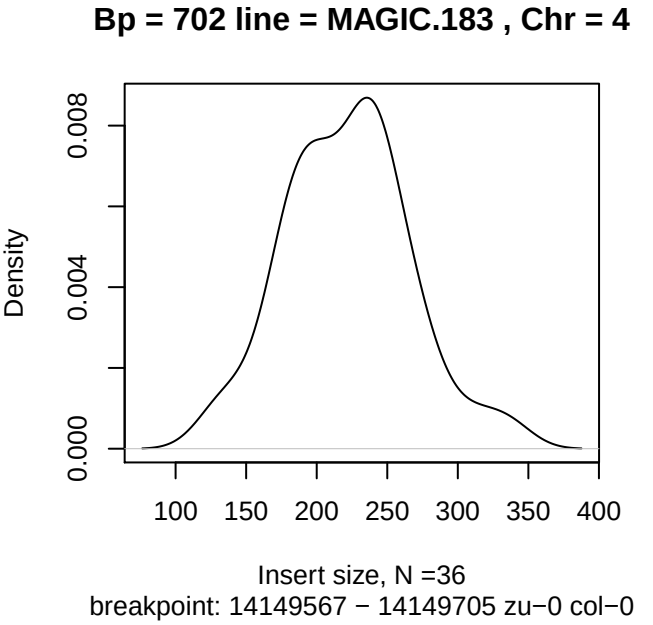

Bp = 697 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =61
breakpoint: 13409764 − 13409841 po−0 col−0

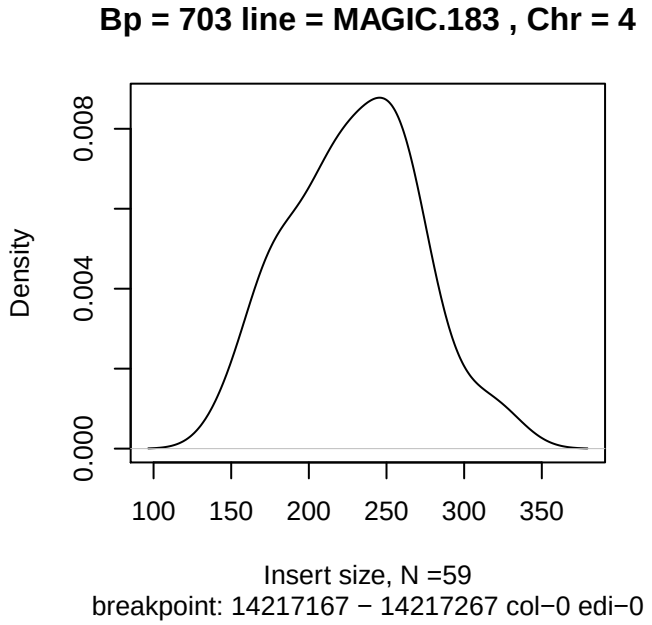

Bp = 698 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =47
breakpoint: 13526532 − 13526587 col−0 oy−0

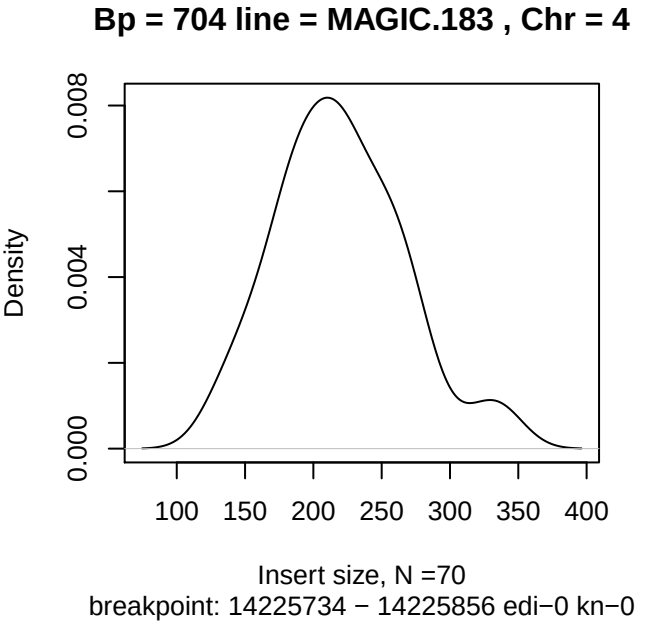

Bp = 699 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =68
breakpoint: 13737106 − 13737113 oy−0 wu−0

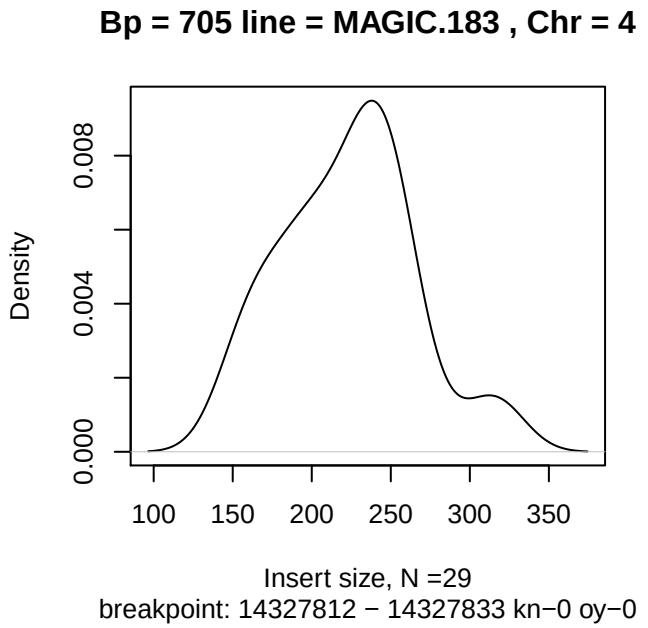

Bp = 700 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =77
breakpoint: 13776401 − 13776407 wu−0 edi−0

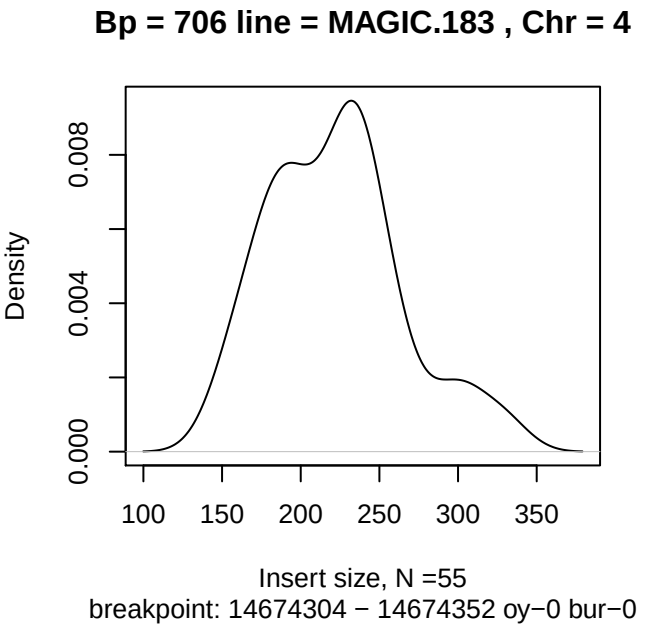

Bp = 701 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =54
breakpoint: 14026388 − 14026575 edi−0 zu−0

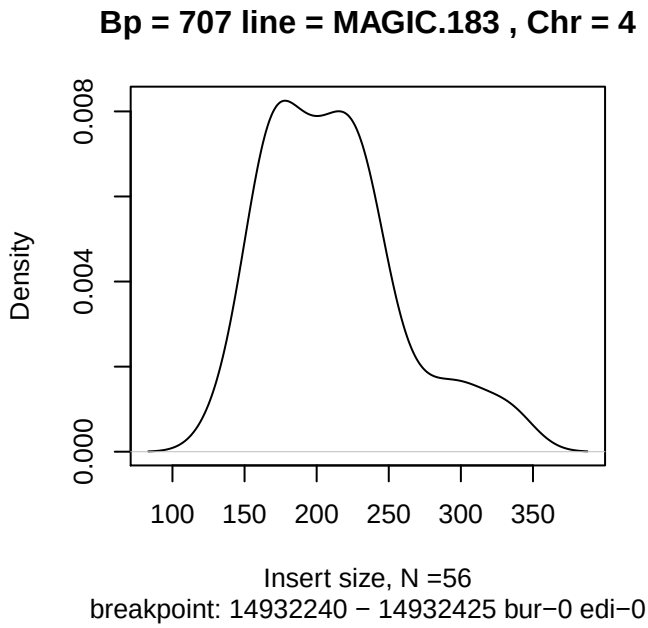

Bp = 702 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =36
breakpoint: 14149567 − 14149705 zu−0 col−0

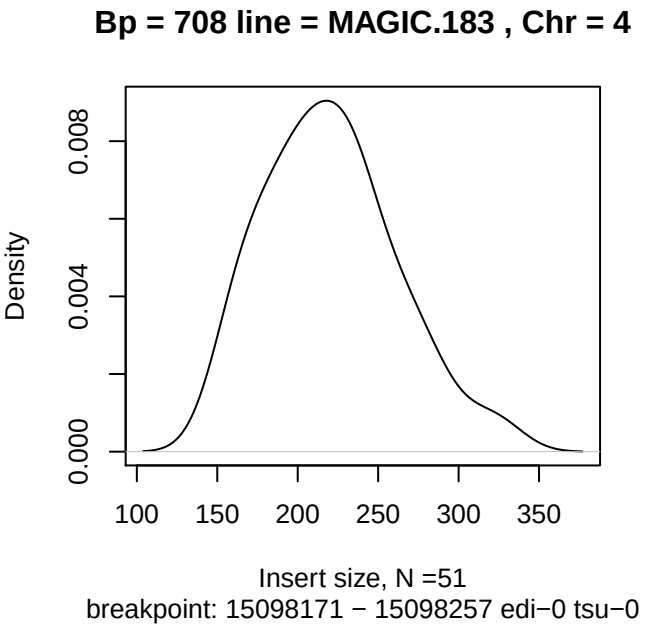

Bp = 703 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =59
breakpoint: 14217167 − 14217267 col−0 edi−0


Bp = 704 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =70
breakpoint: 14225734 − 14225856 edi−0 kn−0


Bp = 705 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =29
breakpoint: 14327812 − 14327833 kn−0 oy−0


Bp = 706 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 14674304 − 14674352 oy−0 bur−0


Bp = 707 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =56
breakpoint: 14932240 − 14932425 bur−0 edi−0


Bp = 708 line = MAGIC.183 , Chr = 4
Density
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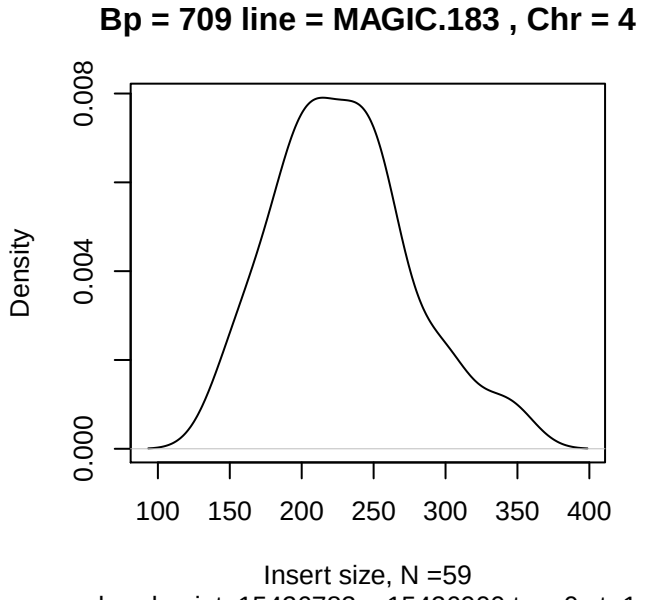
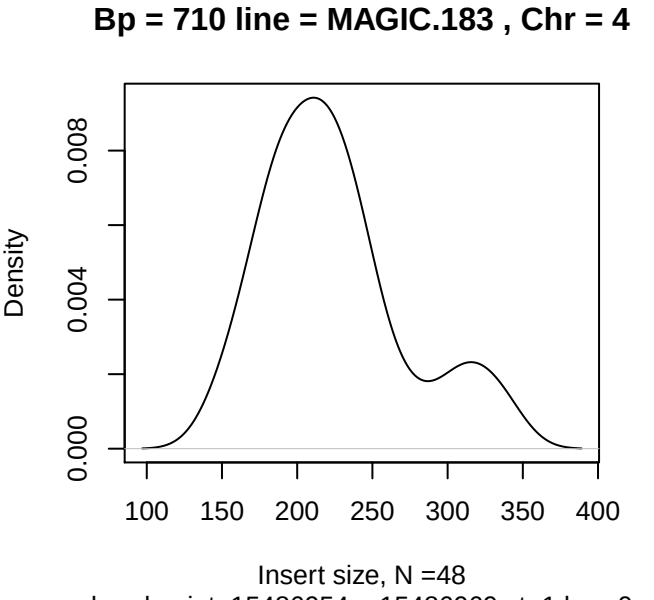
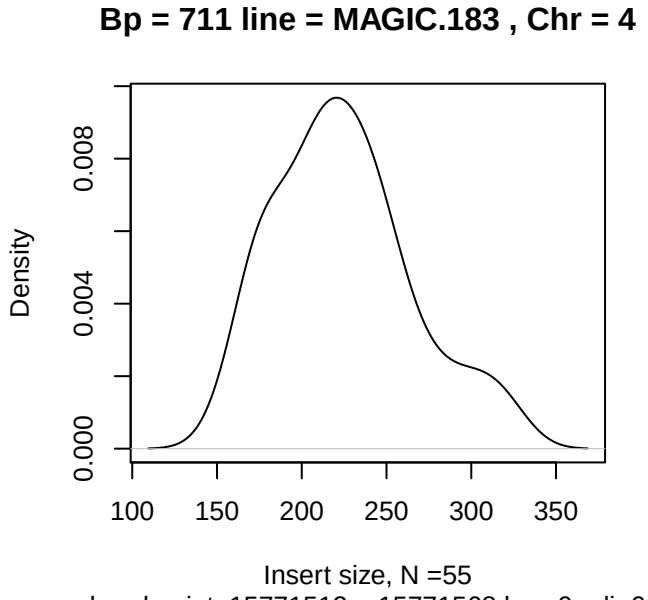
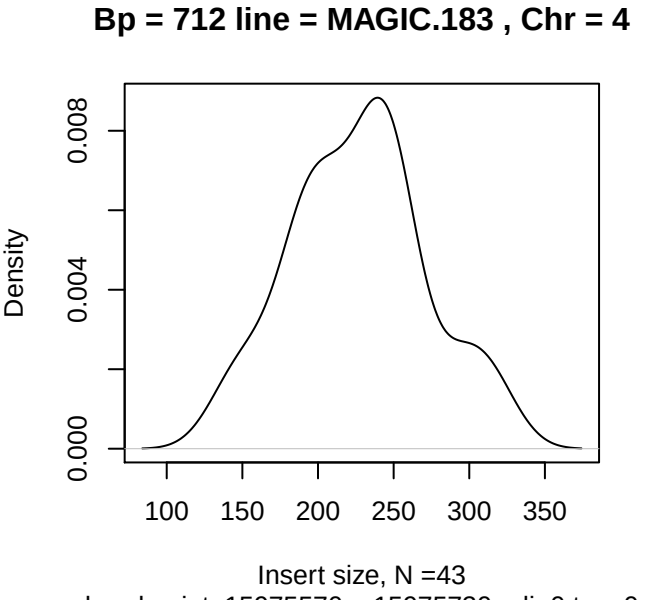
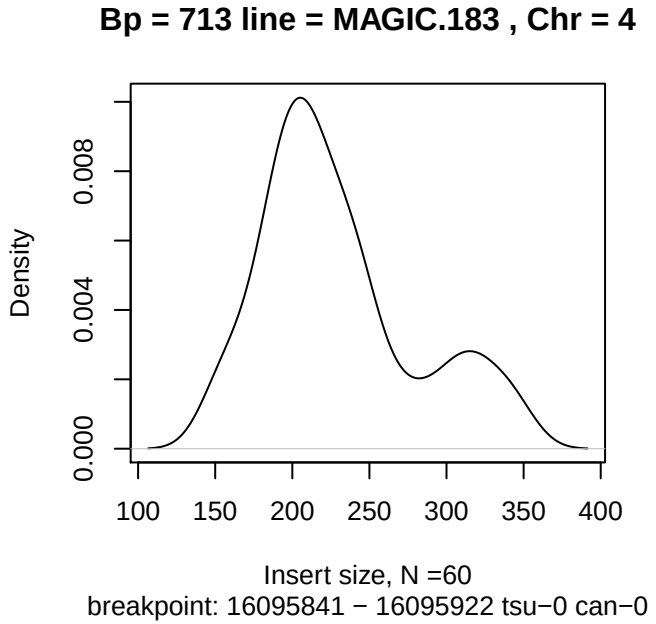
0.004
0.008
100
150
200
250
300
350
Insert size, N =51
breakpoint: 15098171 − 15098257 edi−0 tsu−0

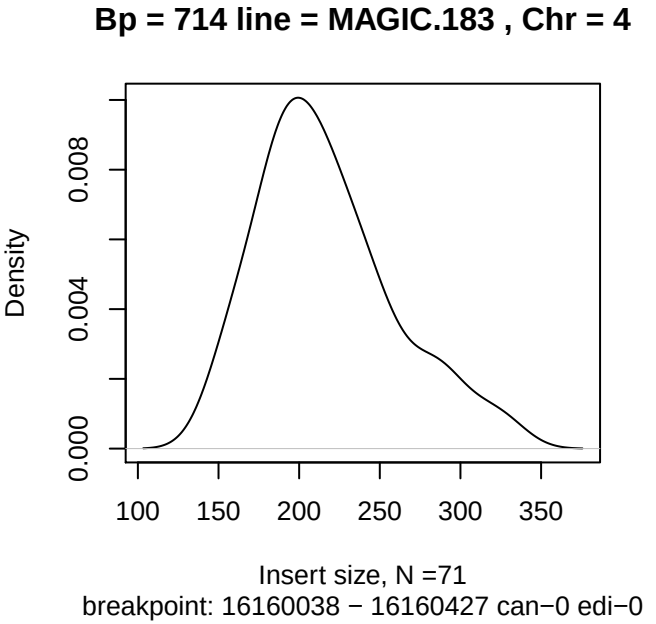

Bp = 709 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =59
breakpoint: 15426783 − 15426900 tsu−0 ct−1

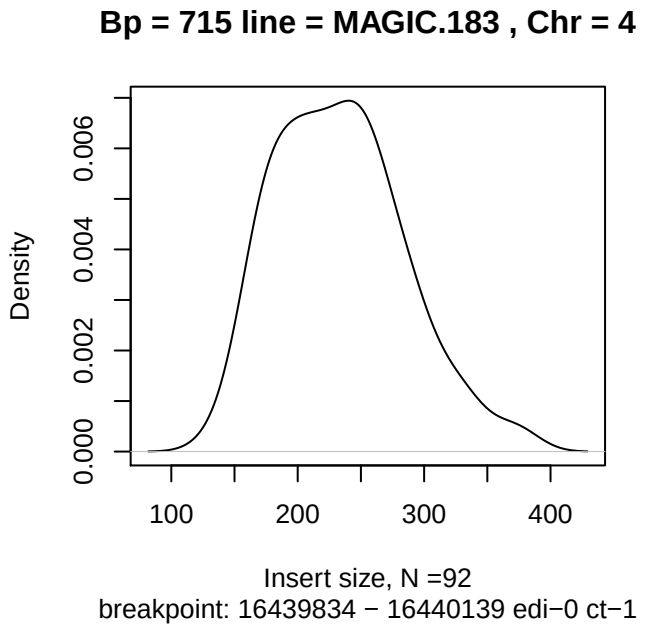

Bp = 710 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =48
breakpoint: 15486954 − 15486969 ct−1 bur−0

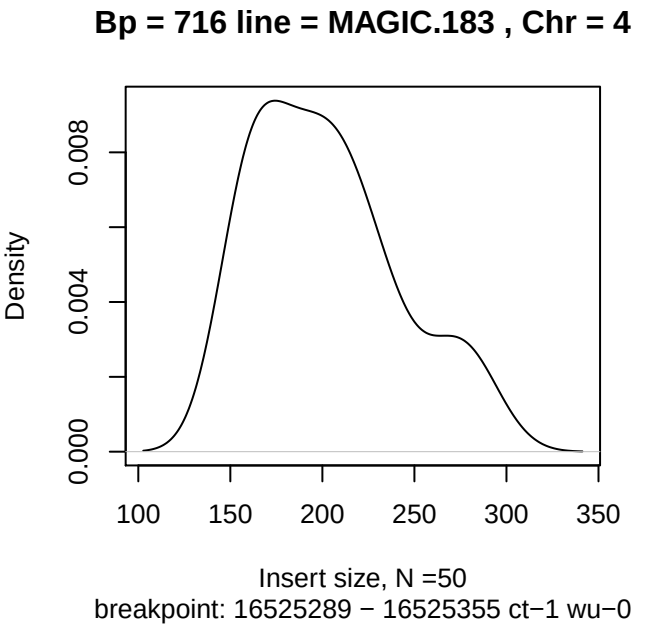

Bp = 711 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 15771512 − 15771568 bur−0 edi−0

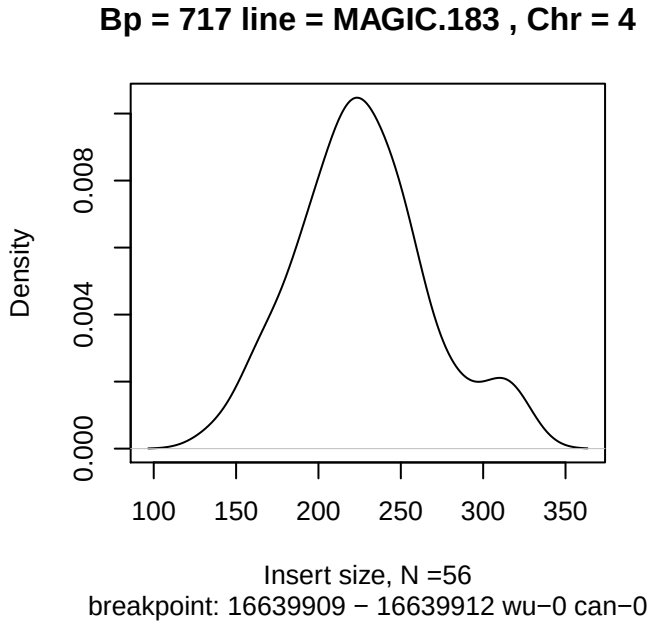

Bp = 712 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =43
breakpoint: 15975570 − 15975730 edi−0 tsu−0

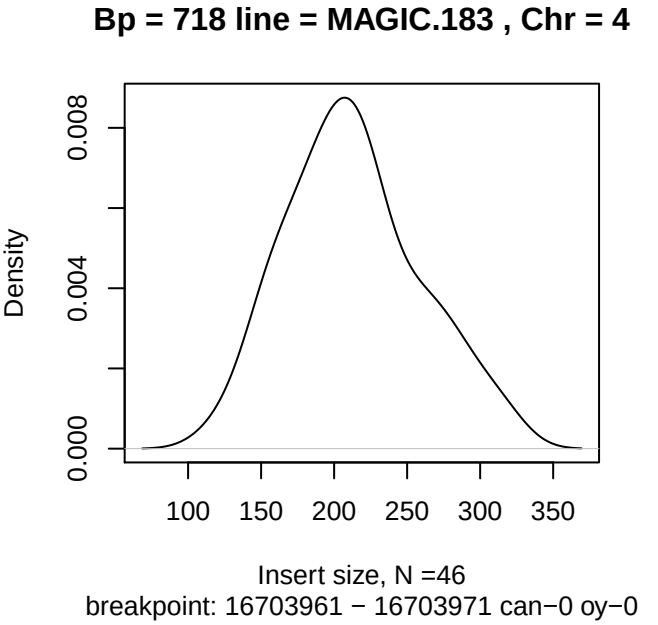

Bp = 713 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =60
breakpoint: 16095841 − 16095922 tsu−0 can−0

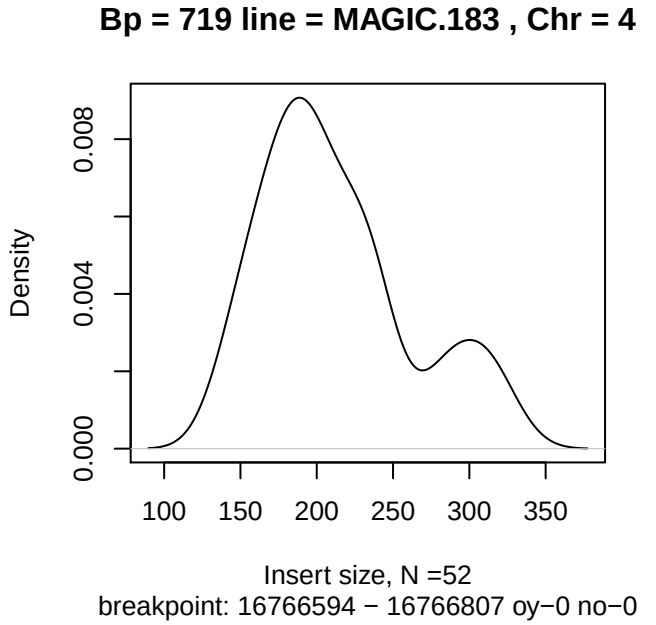

Bp = 714 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =71
breakpoint: 16160038 − 16160427 can−0 edi−0

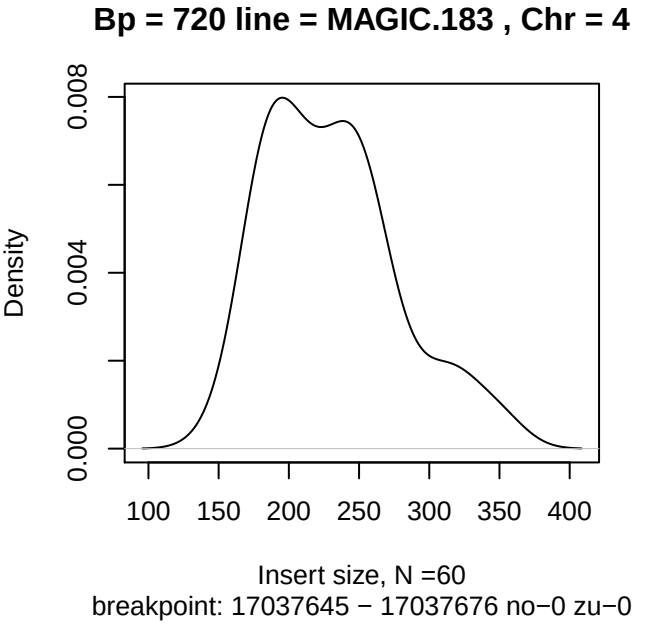

Bp = 715 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =92
breakpoint: 16439834 − 16440139 edi−0 ct−1

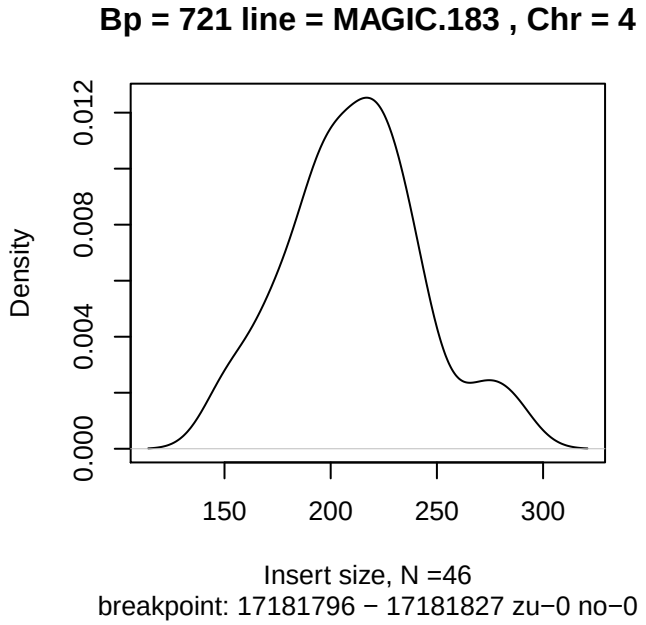

Bp = 716 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =50
breakpoint: 16525289 − 16525355 ct−1 wu−0

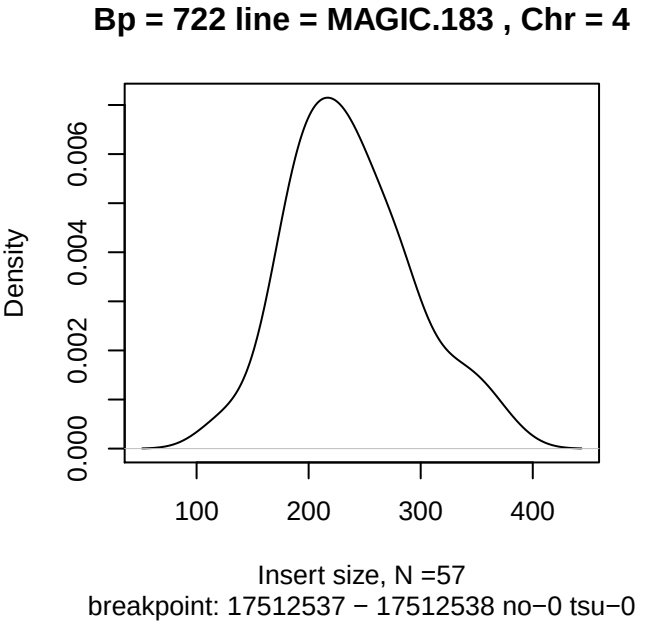

Bp = 717 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =56
breakpoint: 16639909 − 16639912 wu−0 can−0

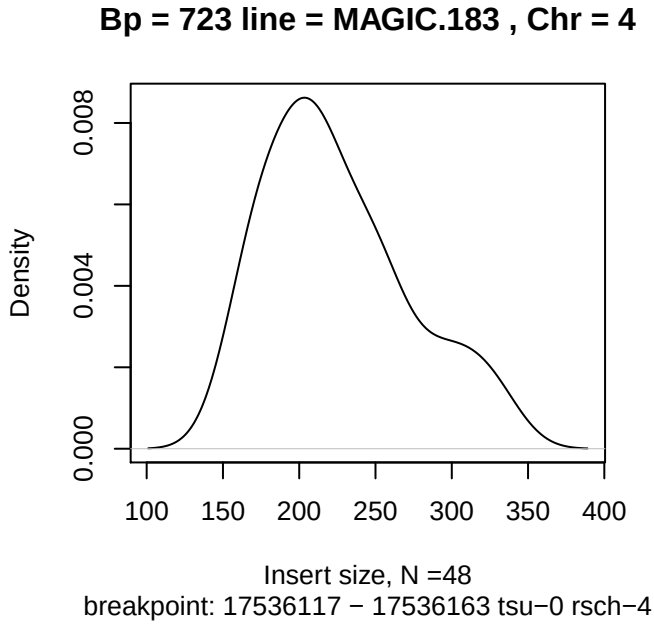

Bp = 718 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =46
breakpoint: 16703961 − 16703971 can−0 oy−0

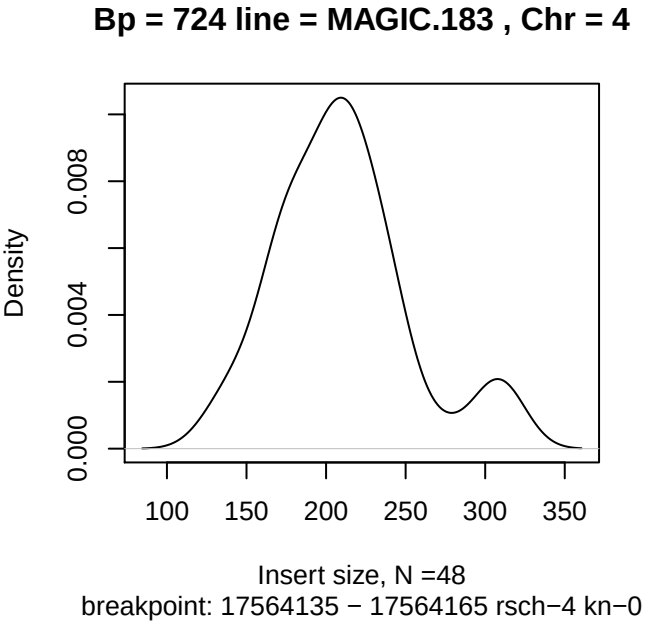

Bp = 719 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =52
breakpoint: 16766594 − 16766807 oy−0 no−0

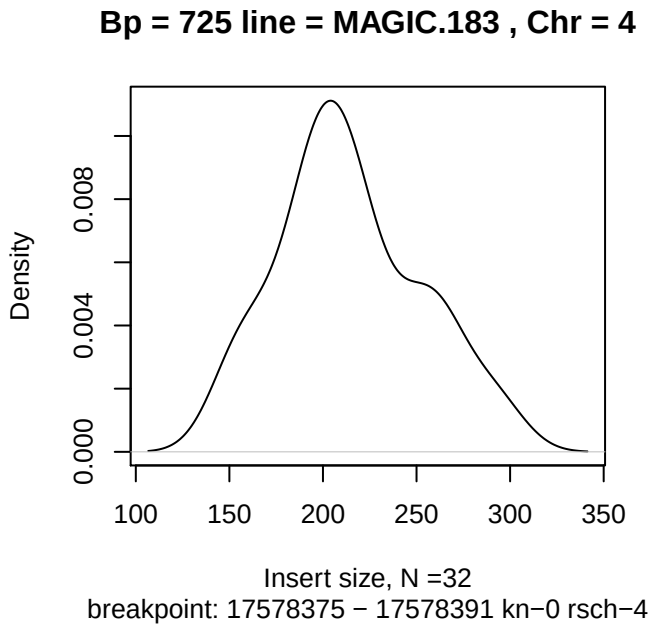

Bp = 720 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =60
breakpoint: 17037645 − 17037676 no−0 zu−0

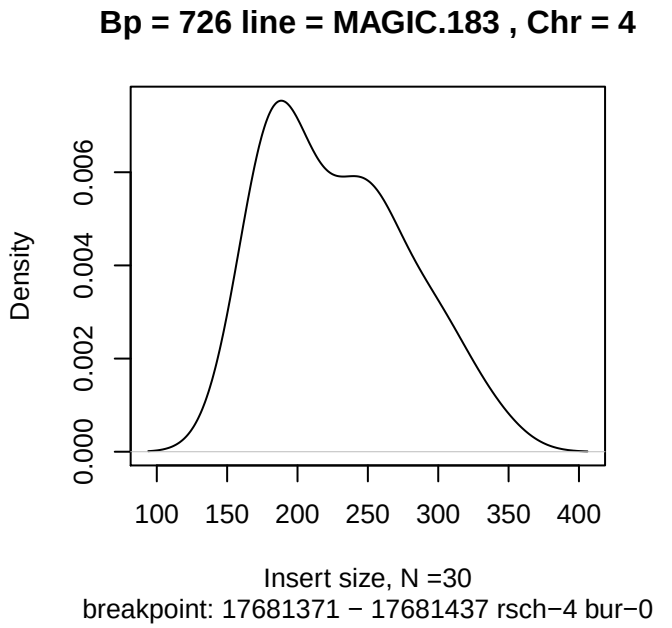

Bp = 721 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
0.012
150
200
250
300
Insert size, N =46
breakpoint: 17181796 − 17181827 zu−0 no−0

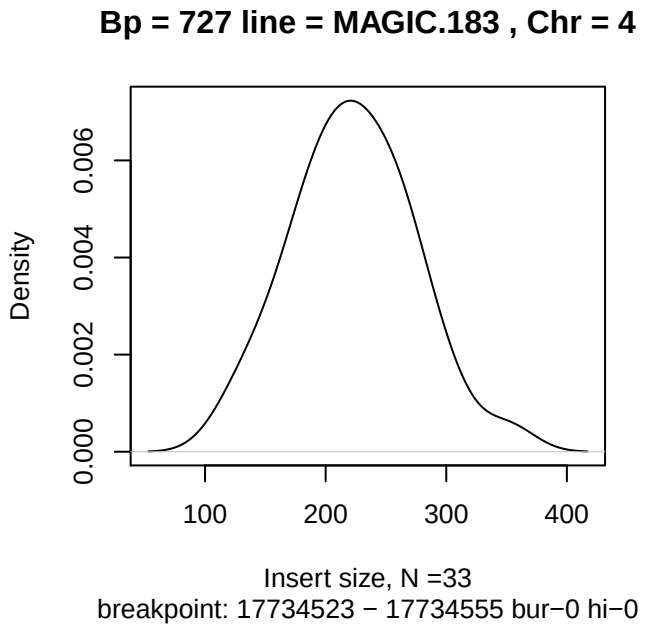

Bp = 722 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =57
breakpoint: 17512537 − 17512538 no−0 tsu−0

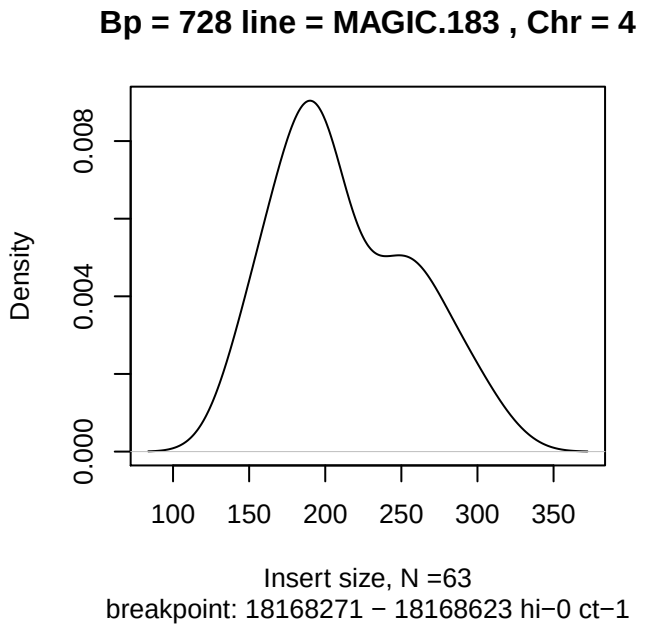

Bp = 723 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =48
breakpoint: 17536117 − 17536163 tsu−0 rsch−4

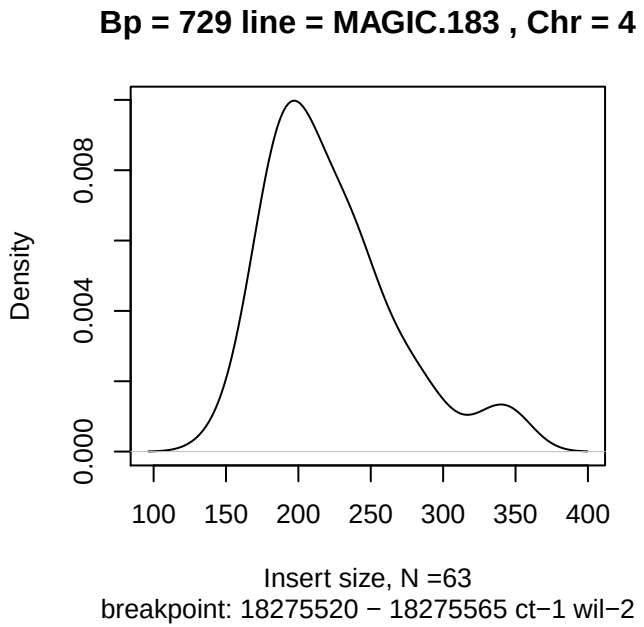

Bp = 724 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 17564135 − 17564165 rsch−4 kn−0

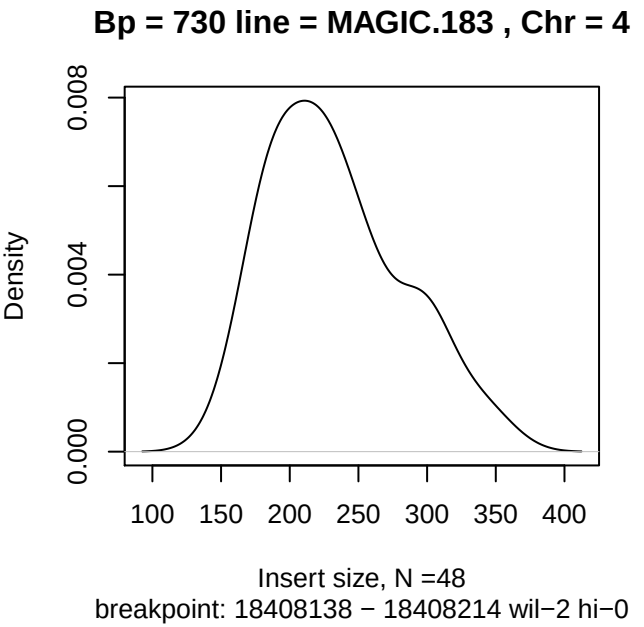

Bp = 725 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =32
breakpoint: 17578375 − 17578391 kn−0 rsch−4

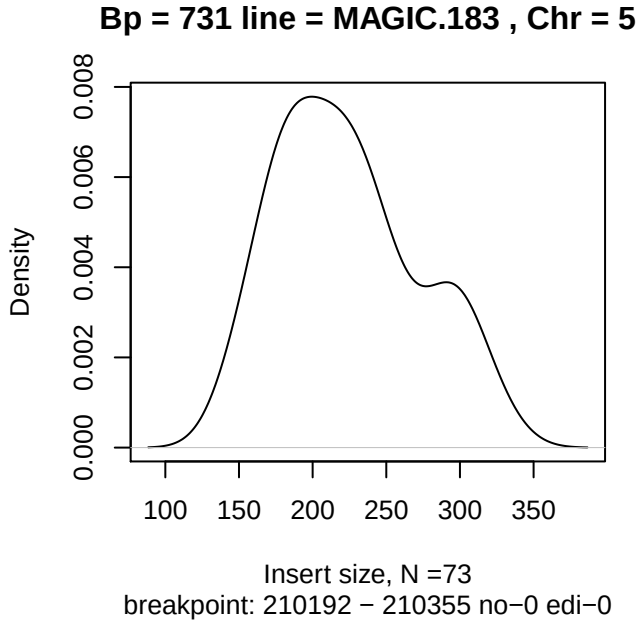

Bp = 726 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =30
breakpoint: 17681371 − 17681437 rsch−4 bur−0

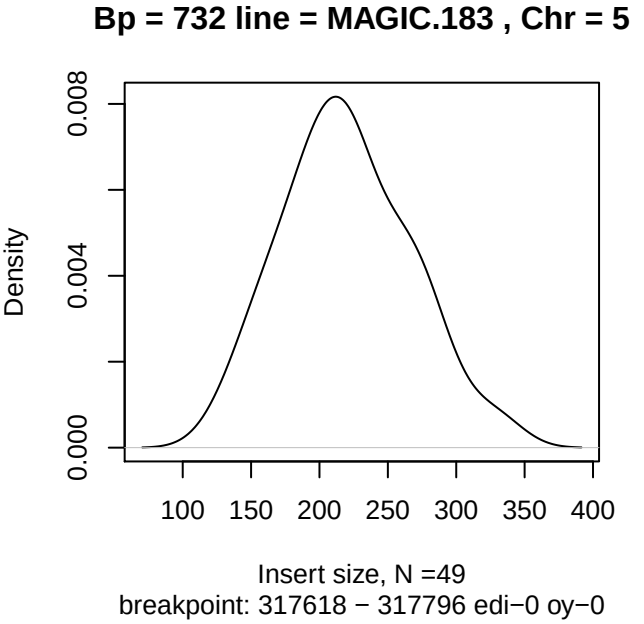

Bp = 727 line = MAGIC.183 , Chr = 4
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =33
breakpoint: 17734523 − 17734555 bur−0 hi−0

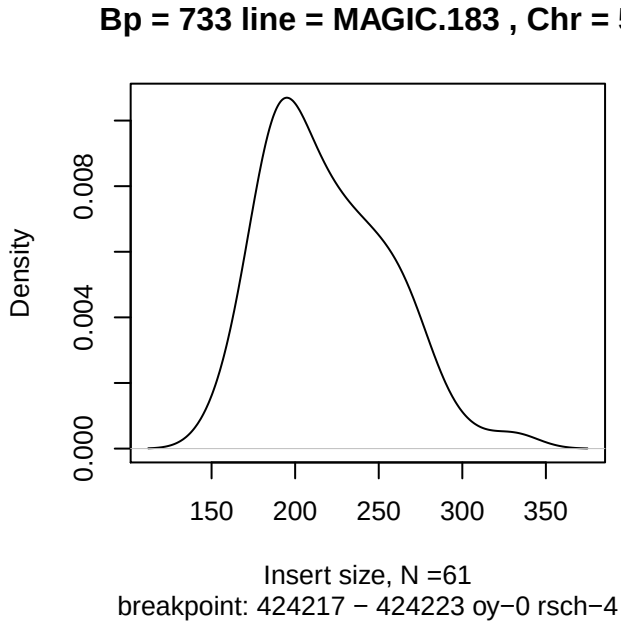

Bp = 728 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =63
breakpoint: 18168271 − 18168623 hi−0 ct−1

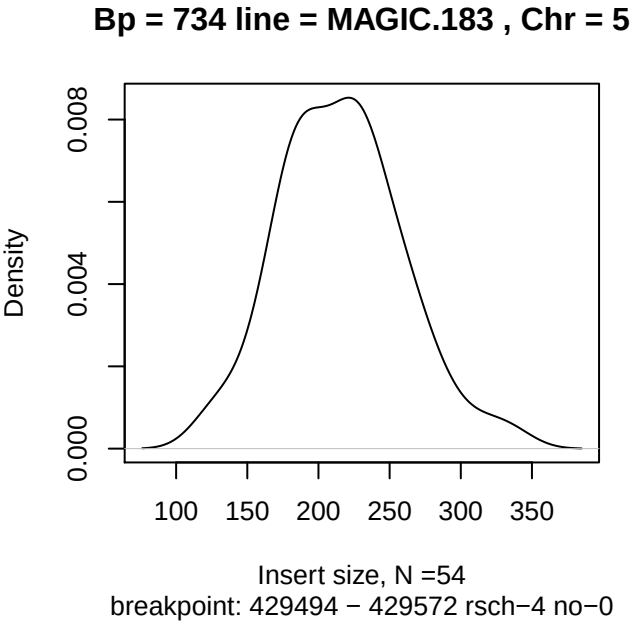

Bp = 729 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =63
breakpoint: 18275520 − 18275565 ct−1 wil−2

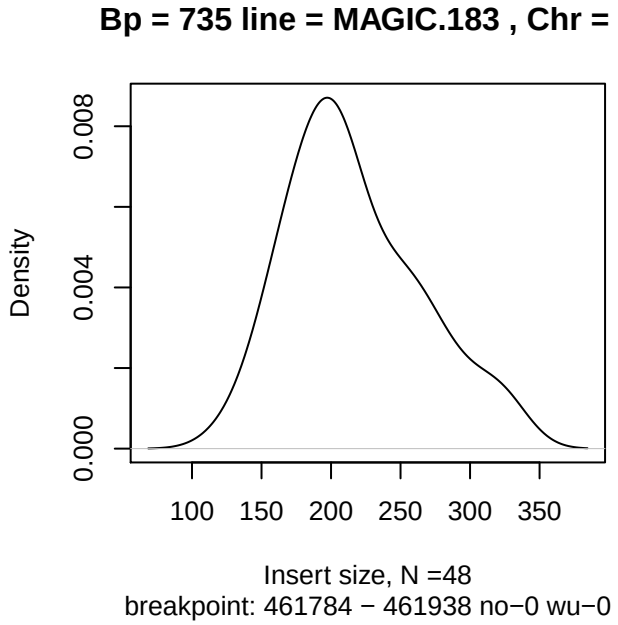

Bp = 730 line = MAGIC.183 , Chr = 4
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =48
breakpoint: 18408138 − 18408214 wil−2 hi−0

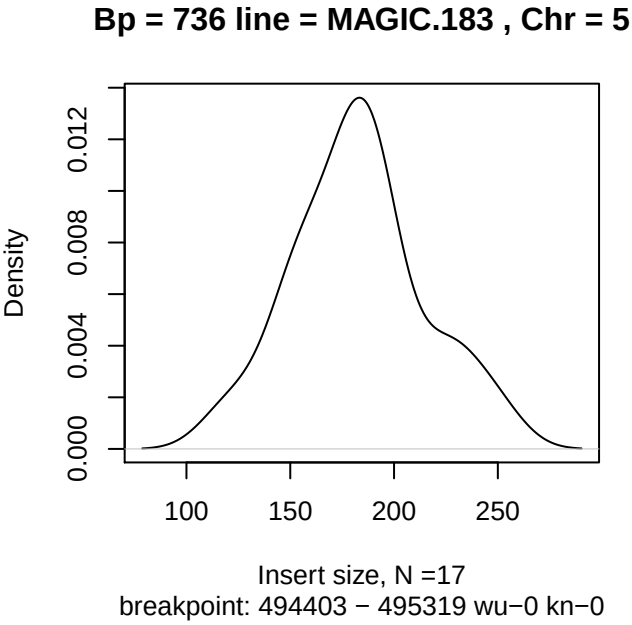

Bp = 731 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
Insert size, N =73
breakpoint: 210192 − 210355 no−0 edi−0

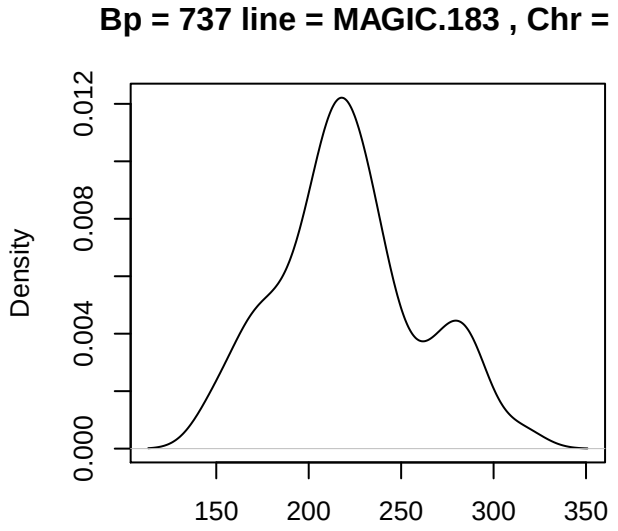

Bp = 732 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =49
breakpoint: 317618 − 317796 edi−0 oy−0

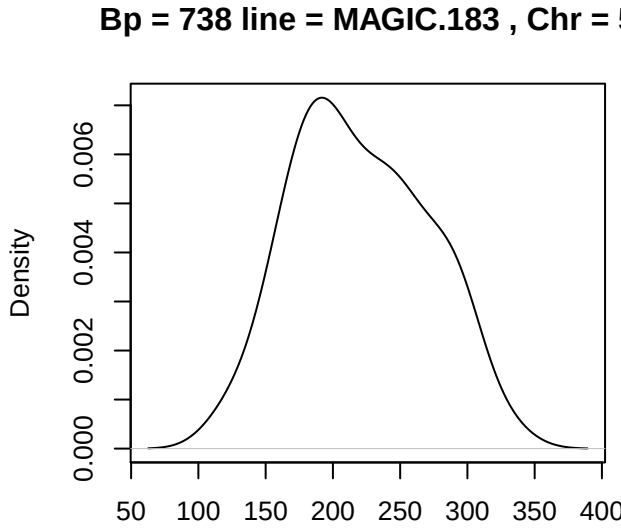

Bp = 733 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =61
breakpoint: 424217 − 424223 oy−0 rsch−4

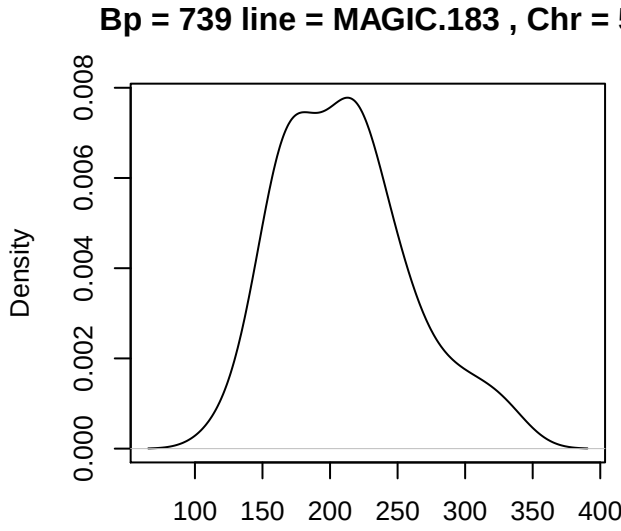

Bp = 734 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =54
breakpoint: 429494 − 429572 rsch−4 no−0

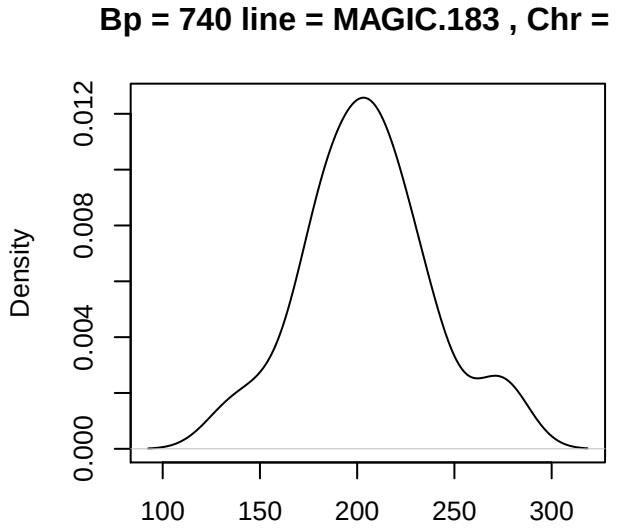

Bp = 735 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =48
breakpoint: 461784 − 461938 no−0 wu−0

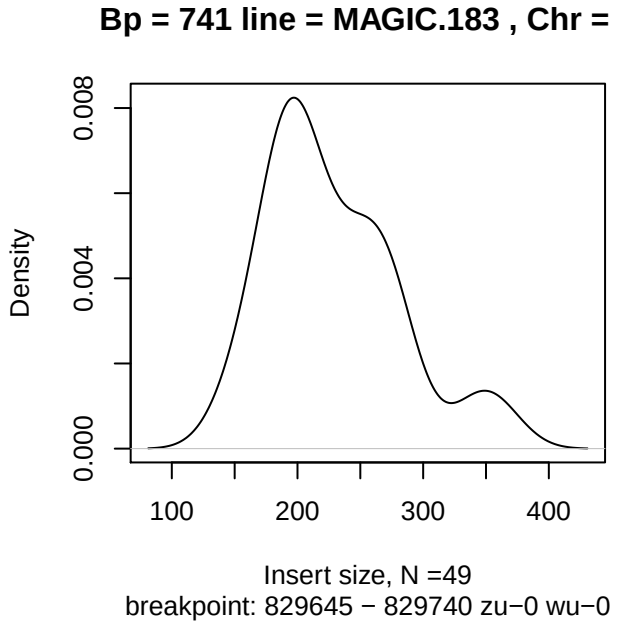

Bp = 736 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
Insert size, N =17
breakpoint: 494403 − 495319 wu−0 kn−0

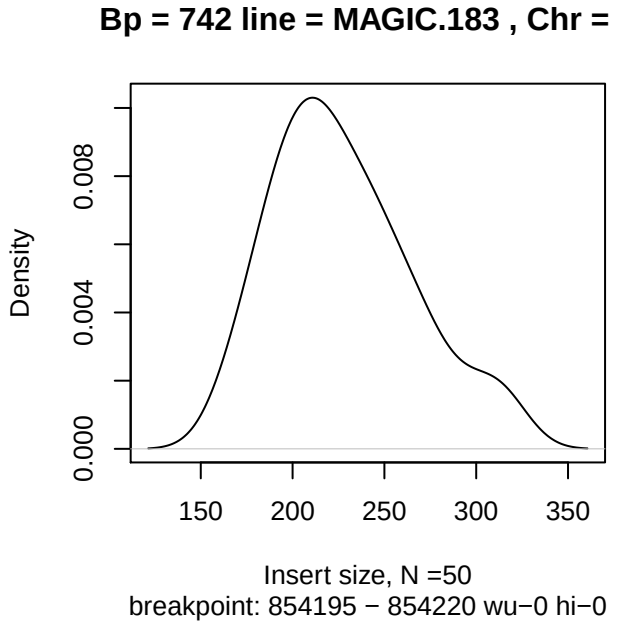

Bp = 737 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
150
200
250
300
350
Insert size, N =51
breakpoint: 619031 − 619235 kn−0 ct−1

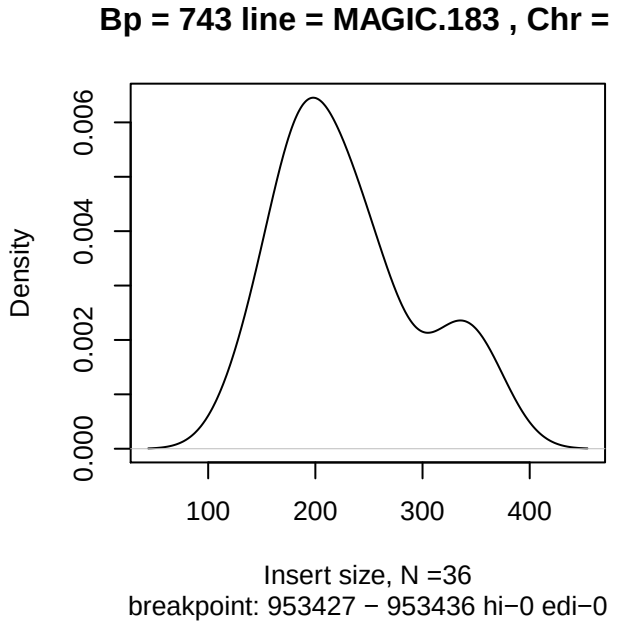

Bp = 738 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
50
100
150
200
250
300
350
400
Insert size, N =64
breakpoint: 636883 − 636885 ct−1 ws−0

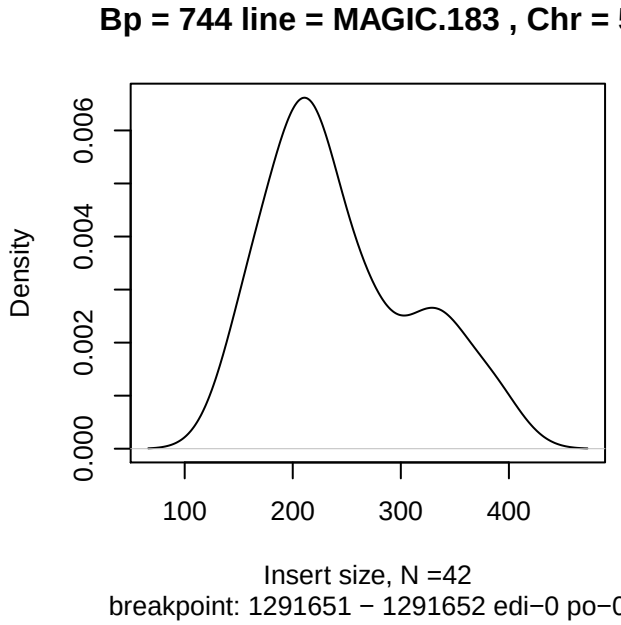

Bp = 739 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =53
breakpoint: 707805 − 707825 ws−0 bur−0

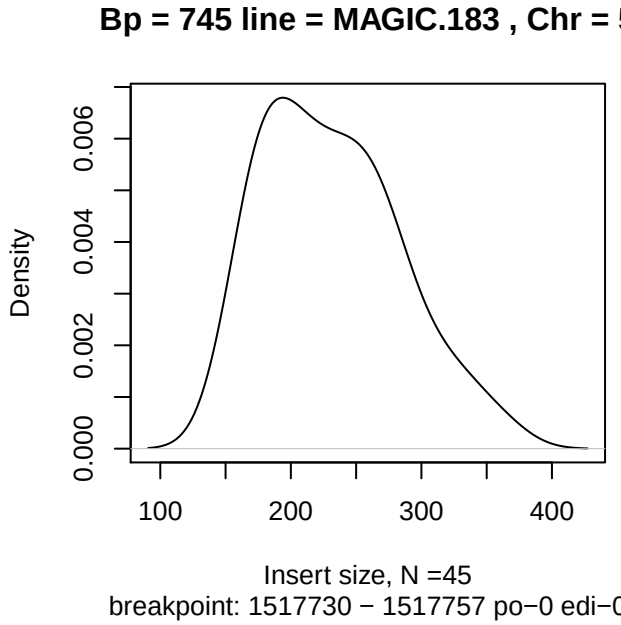

Bp = 740 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =23
breakpoint: 773965 − 773970 bur−0 zu−0

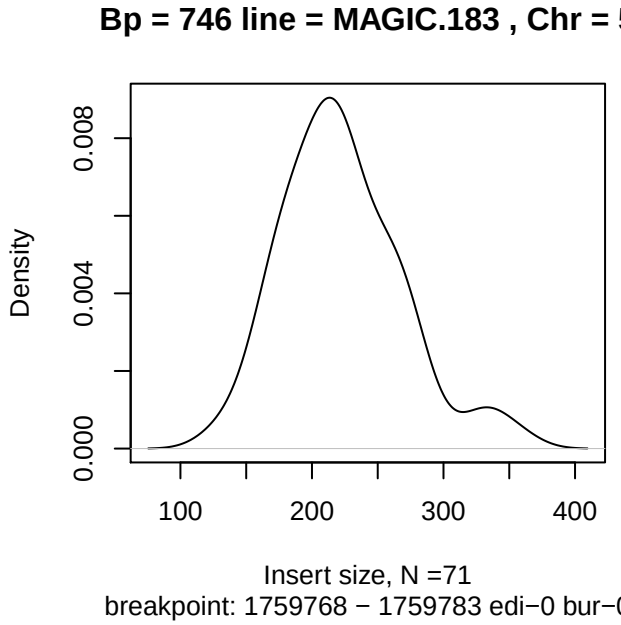

Bp = 741 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =49
breakpoint: 829645 − 829740 zu−0 wu−0

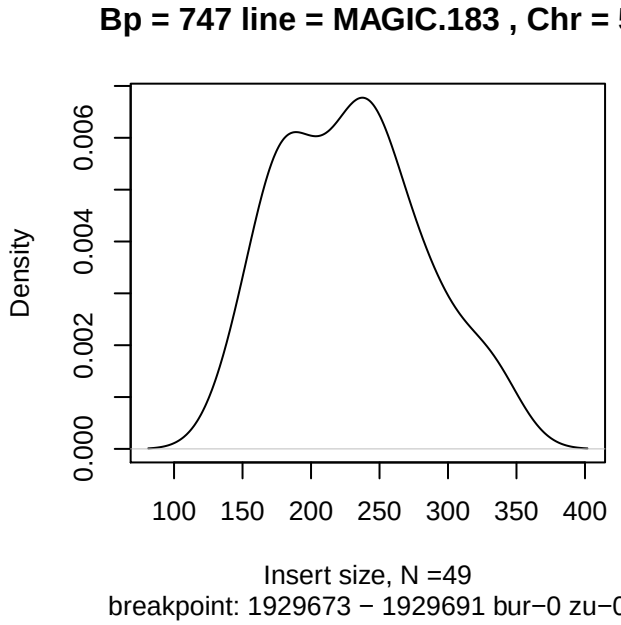

Bp = 742 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =50
breakpoint: 854195 − 854220 wu−0 hi−0

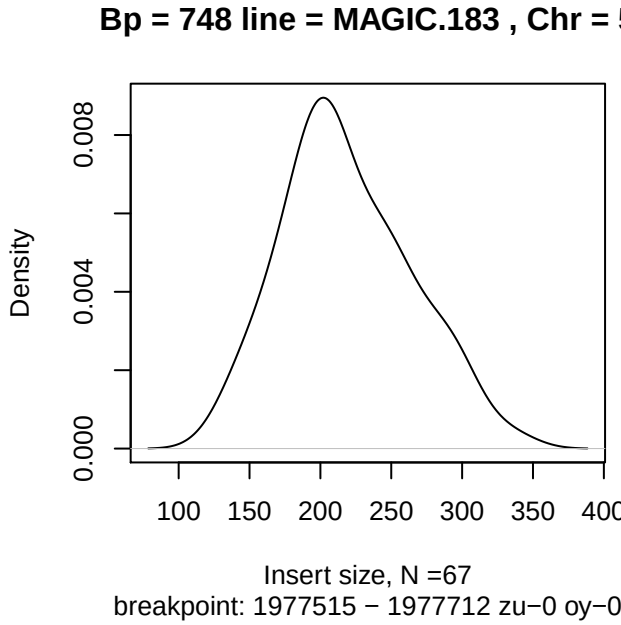

Bp = 743 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =36
breakpoint: 953427 − 953436 hi−0 edi−0

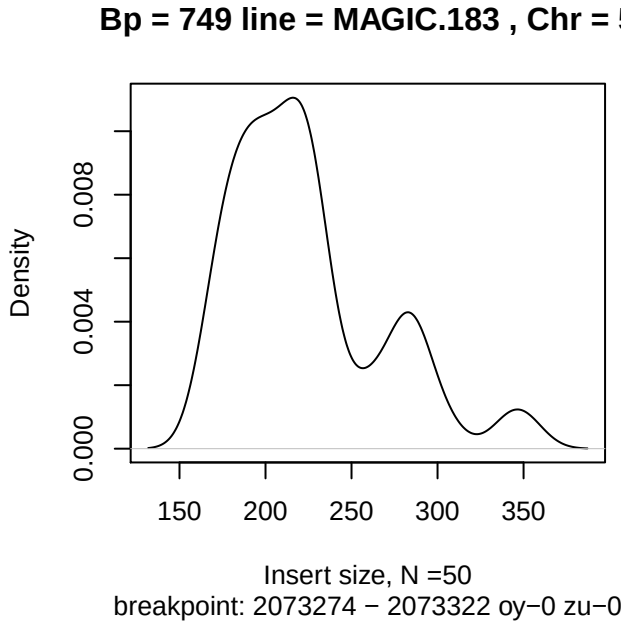

Bp = 744 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =42
breakpoint: 1291651 − 1291652 edi−0 po−0

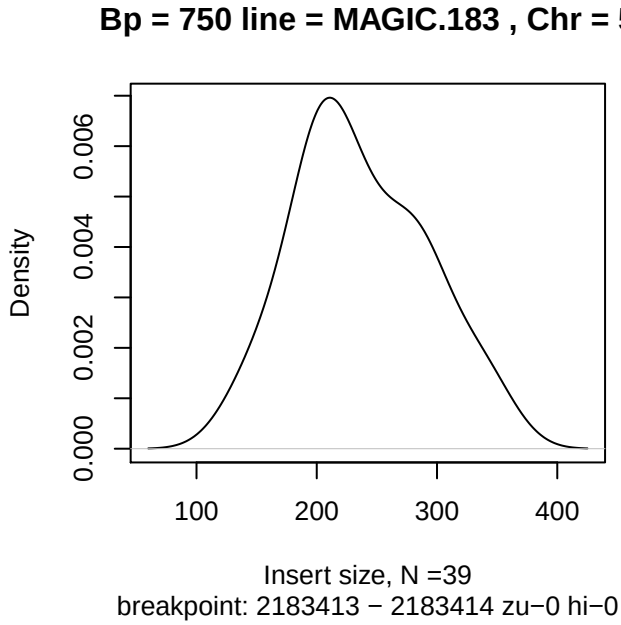

Bp = 745 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =45
breakpoint: 1517730 − 1517757 po−0 edi−0

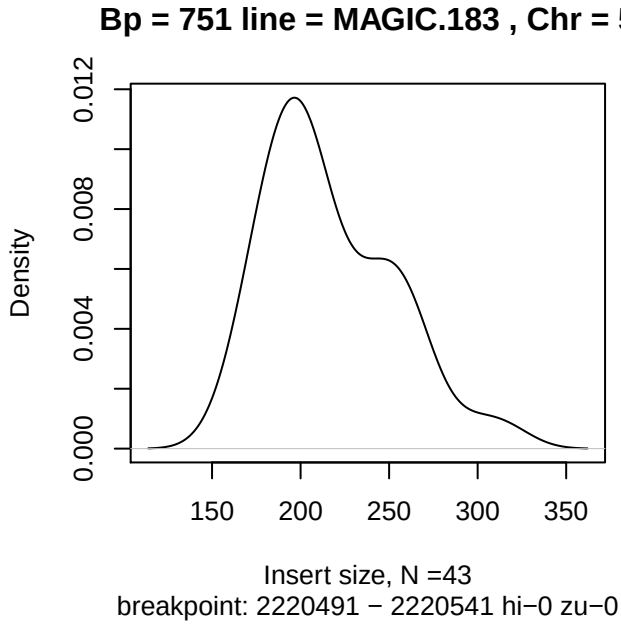

Bp = 746 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =71
breakpoint: 1759768 − 1759783 edi−0 bur−0

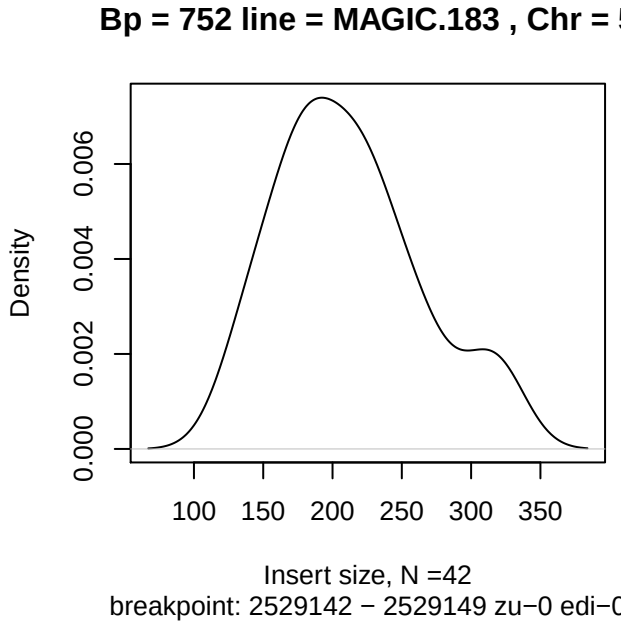

Bp = 747 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =49
breakpoint: 1929673 − 1929691 bur−0 zu−0

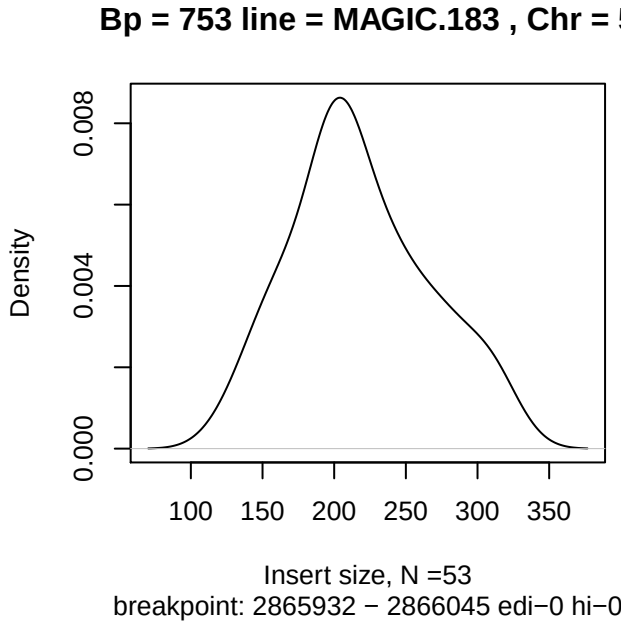

Bp = 748 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =67
breakpoint: 1977515 − 1977712 zu−0 oy−0

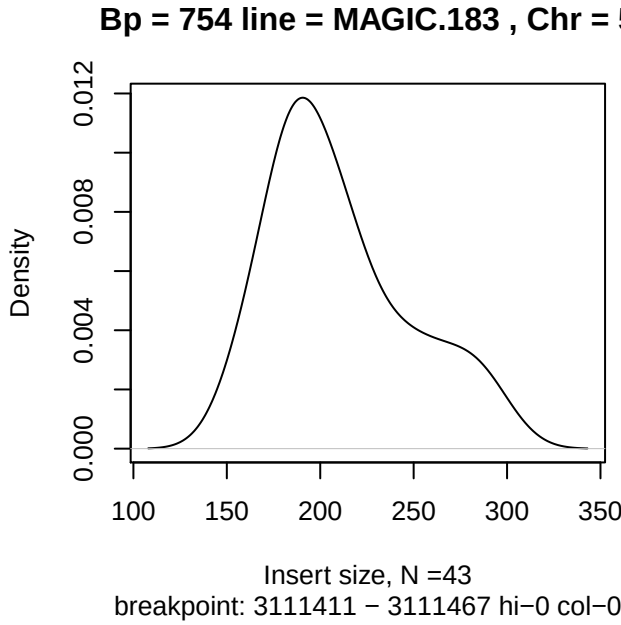

Bp = 749 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =50
breakpoint: 2073274 − 2073322 oy−0 zu−0

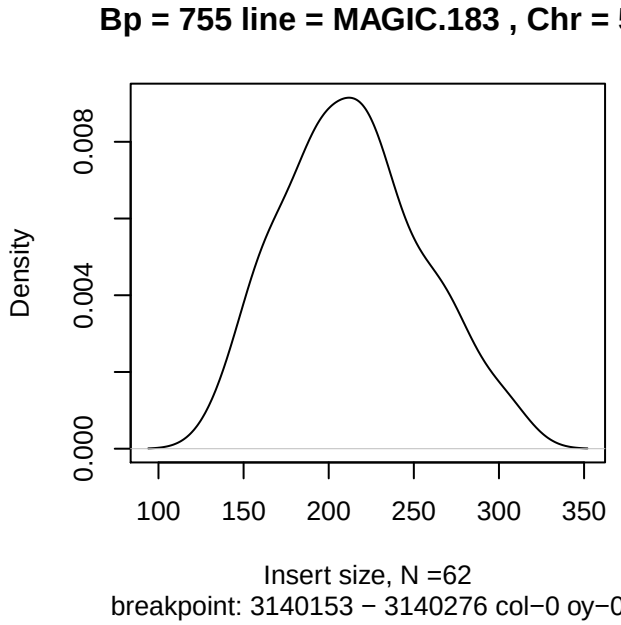

Bp = 750 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =39
breakpoint: 2183413 − 2183414 zu−0 hi−0

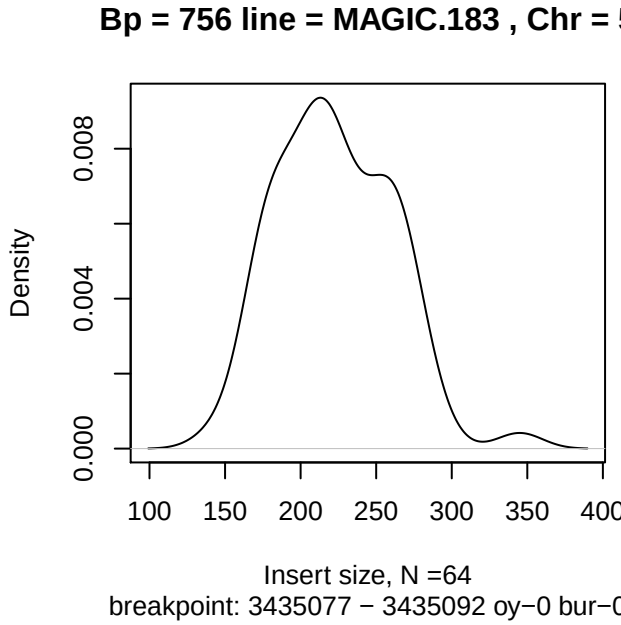

Bp = 751 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
150
200
250
300
350
Insert size, N =43
breakpoint: 2220491 − 2220541 hi−0 zu−0

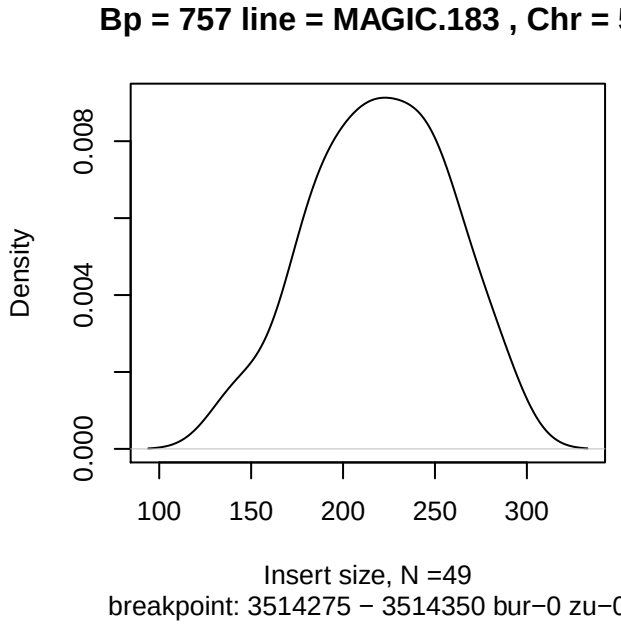

Bp = 752 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =42
breakpoint: 2529142 − 2529149 zu−0 edi−0

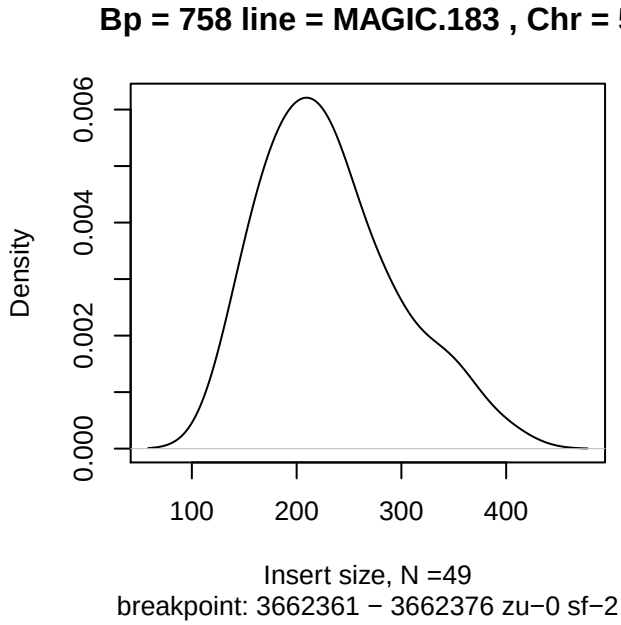

Bp = 753 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =53
breakpoint: 2865932 − 2866045 edi−0 hi−0

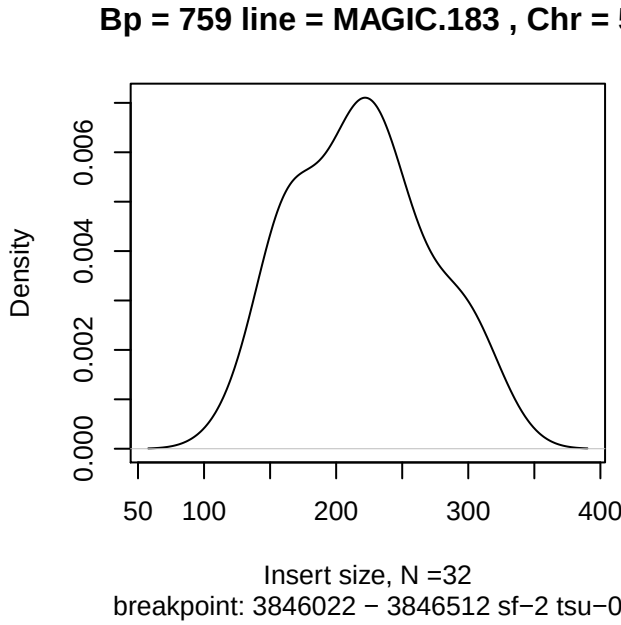

Bp = 754 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =43
breakpoint: 3111411 − 3111467 hi−0 col−0

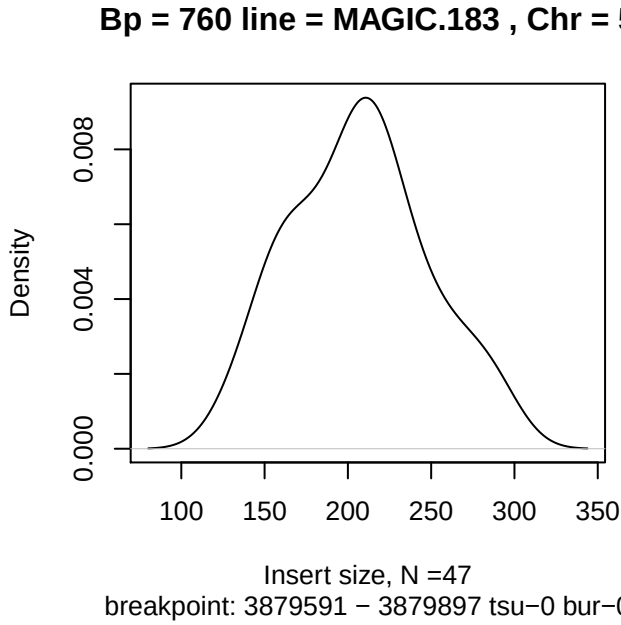

Bp = 755 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =62
breakpoint: 3140153 − 3140276 col−0 oy−0

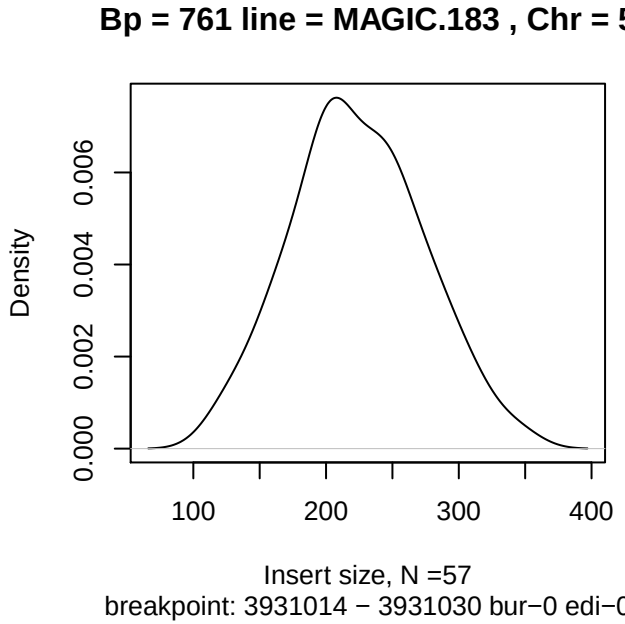

Bp = 756 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =64
breakpoint: 3435077 − 3435092 oy−0 bur−0

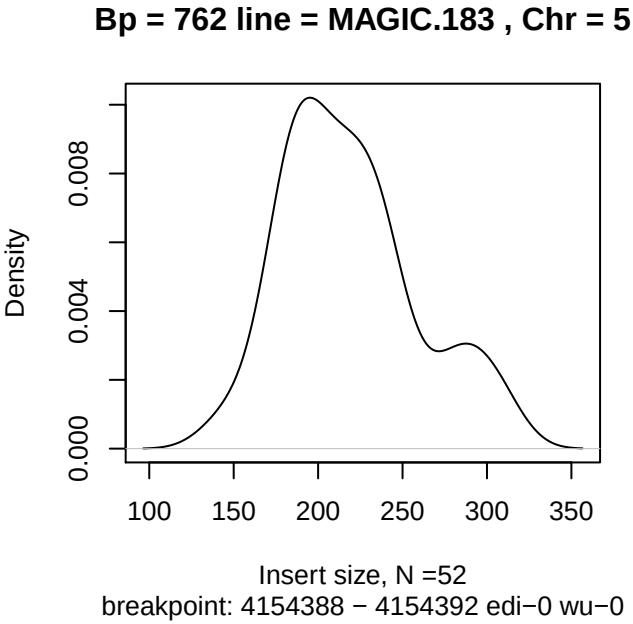

Bp = 757 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =49
breakpoint: 3514275 − 3514350 bur−0 zu−0

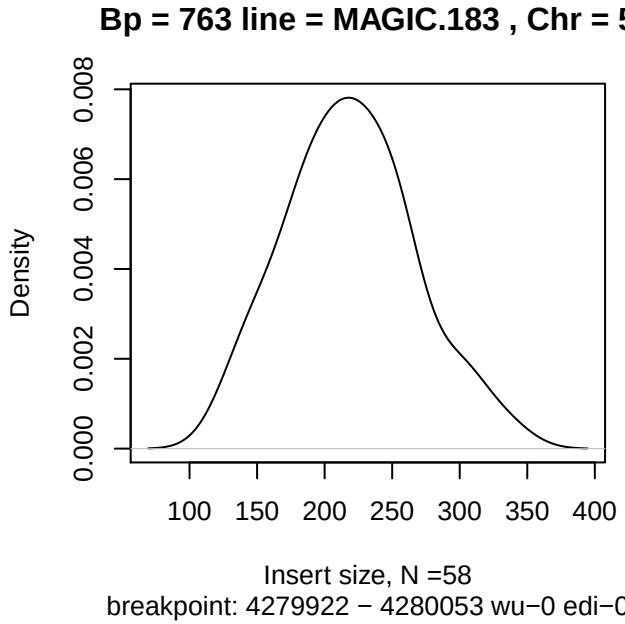

Bp = 758 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =49
breakpoint: 3662361 − 3662376 zu−0 sf−2

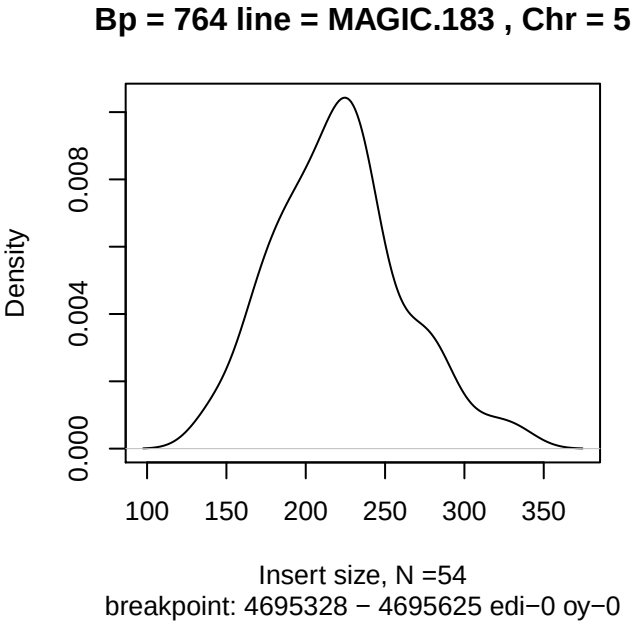

Bp = 759 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =32
breakpoint: 3846022 − 3846512 sf−2 tsu−0

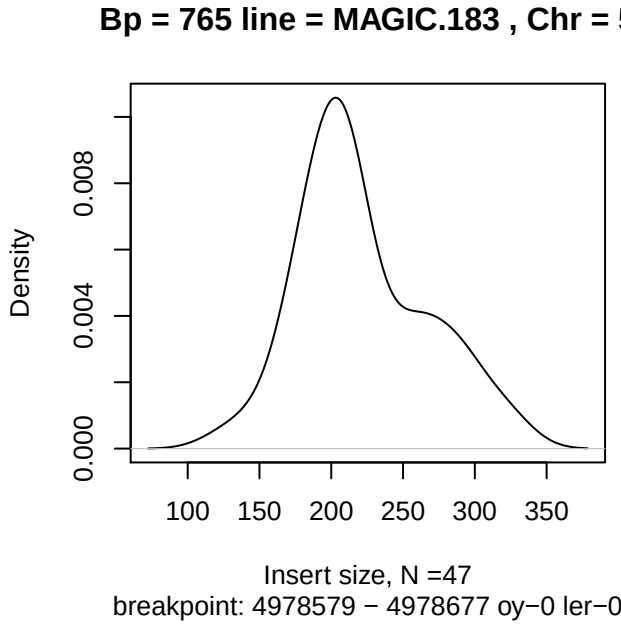

Bp = 760 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =47
breakpoint: 3879591 − 3879897 tsu−0 bur−0

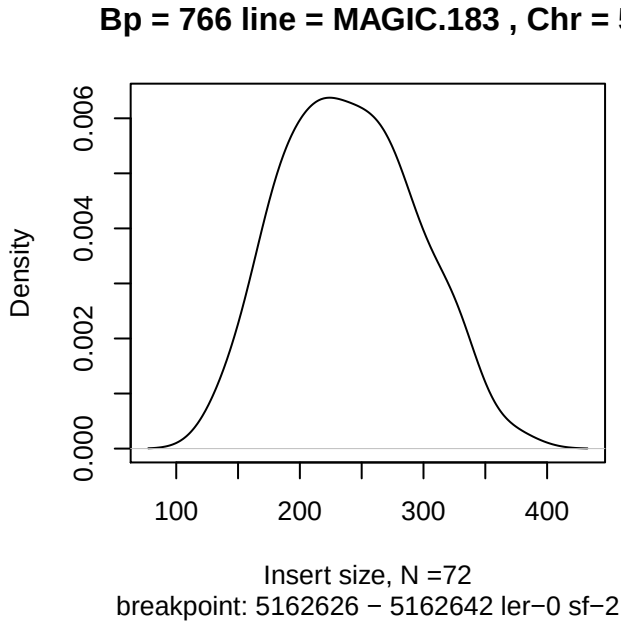

Bp = 761 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =57
breakpoint: 3931014 − 3931030 bur−0 edi−0

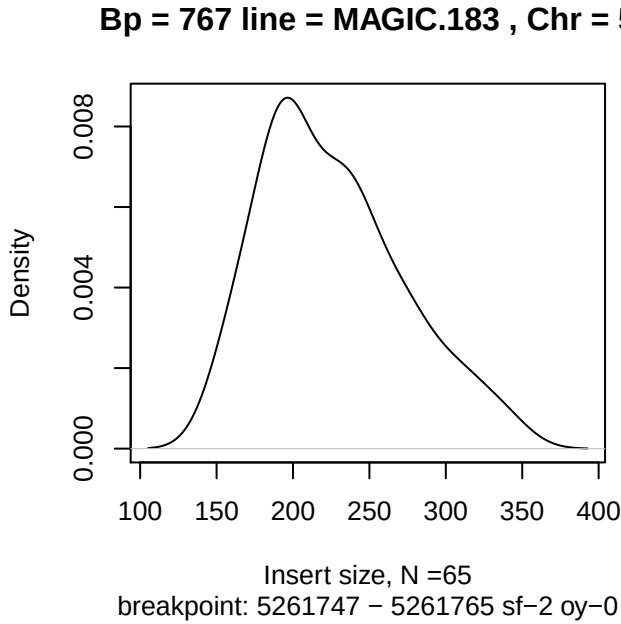

Bp = 762 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =52
breakpoint: 4154388 − 4154392 edi−0 wu−0

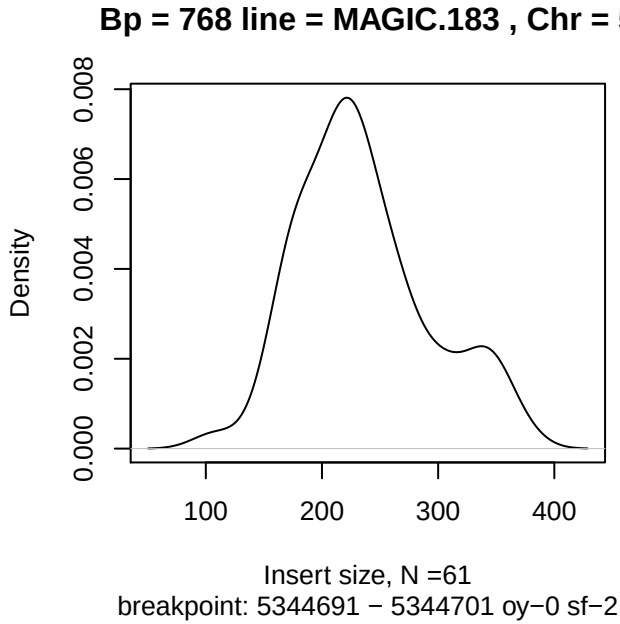

Bp = 763 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =58
breakpoint: 4279922 − 4280053 wu−0 edi−0

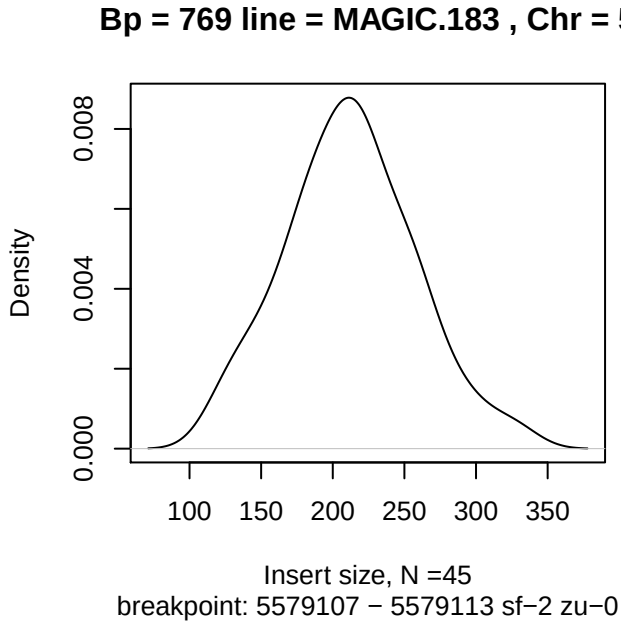

Bp = 764 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =54
breakpoint: 4695328 − 4695625 edi−0 oy−0

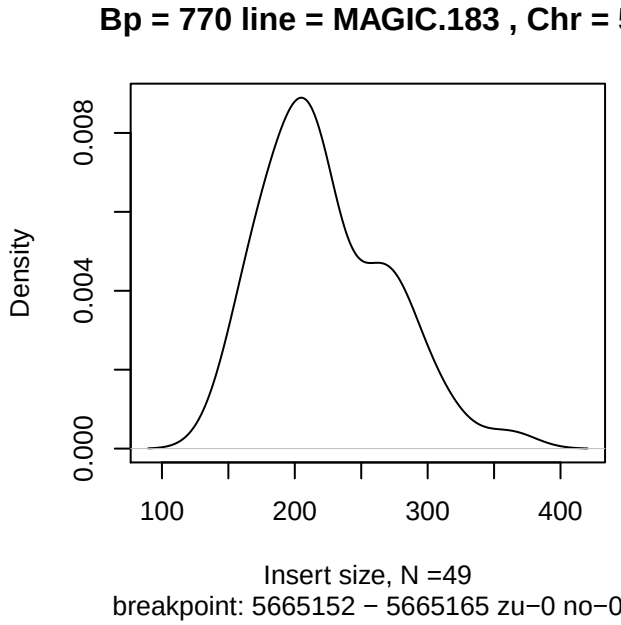

Bp = 765 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =47
breakpoint: 4978579 − 4978677 oy−0 ler−0

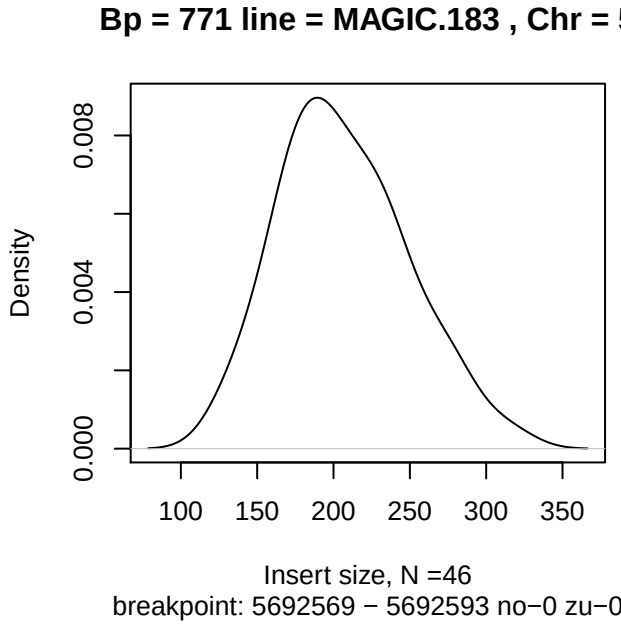

Bp = 766 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =72
breakpoint: 5162626 − 5162642 ler−0 sf−2

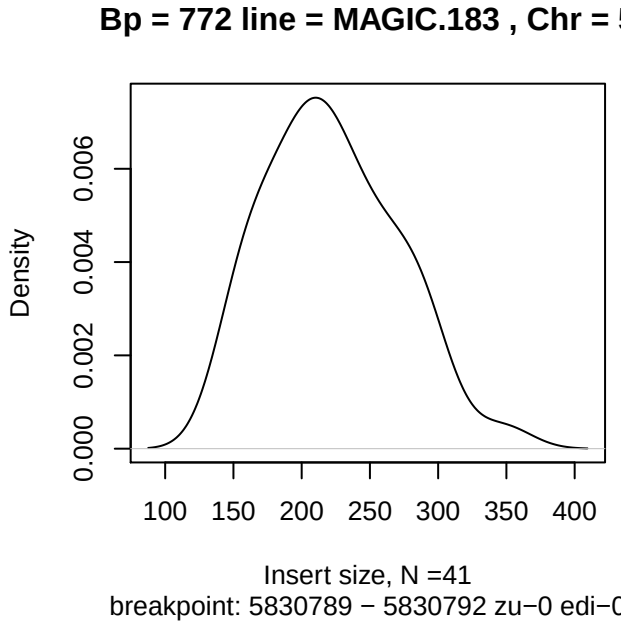

Bp = 767 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =65
breakpoint: 5261747 − 5261765 sf−2 oy−0

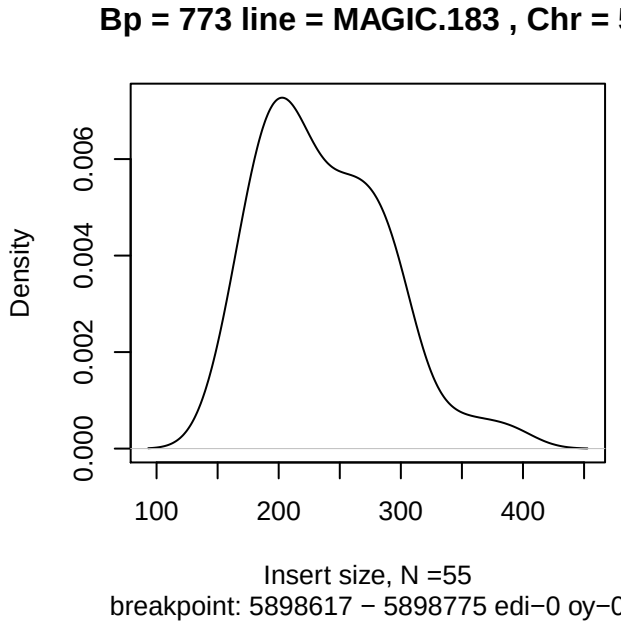

Bp = 768 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =61
breakpoint: 5344691 − 5344701 oy−0 sf−2

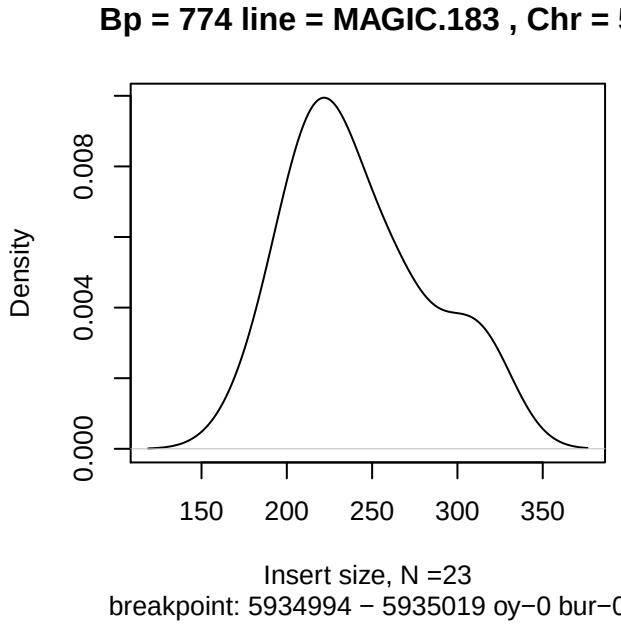

Bp = 769 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 5579107 − 5579113 sf−2 zu−0

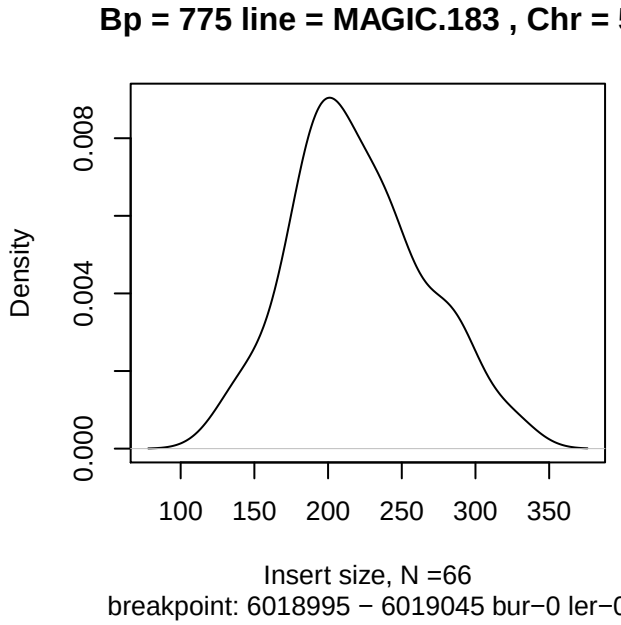

Bp = 770 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =49
breakpoint: 5665152 − 5665165 zu−0 no−0

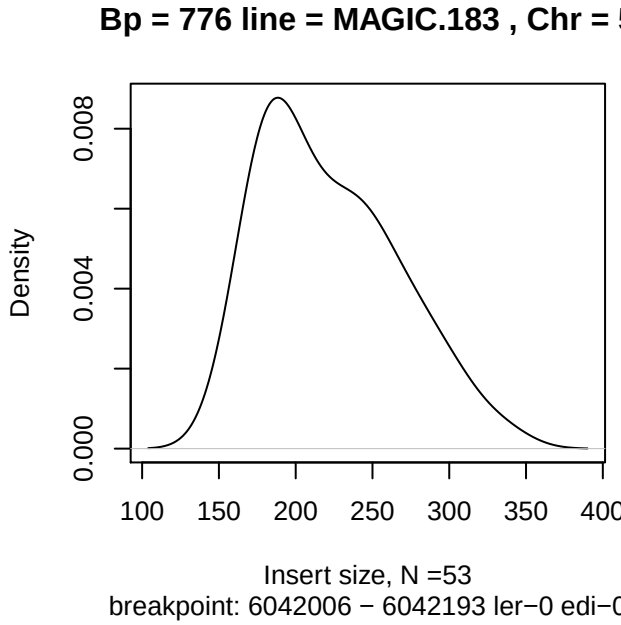

Bp = 771 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =46
breakpoint: 5692569 − 5692593 no−0 zu−0

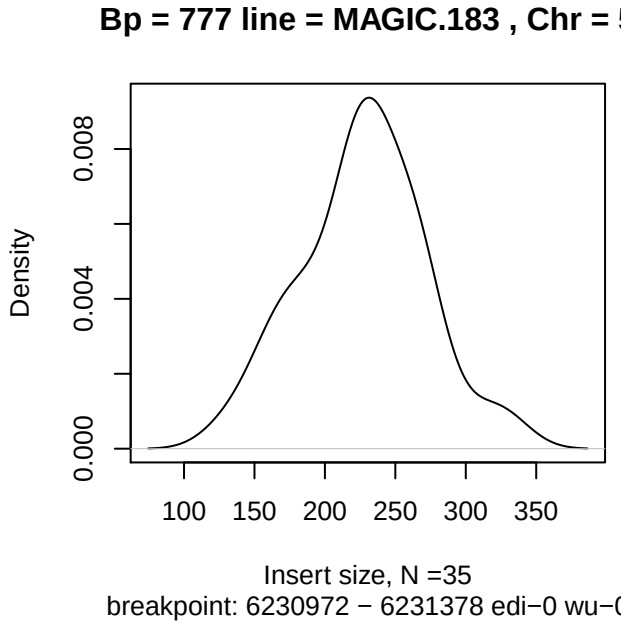

Bp = 772 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =41
breakpoint: 5830789 − 5830792 zu−0 edi−0

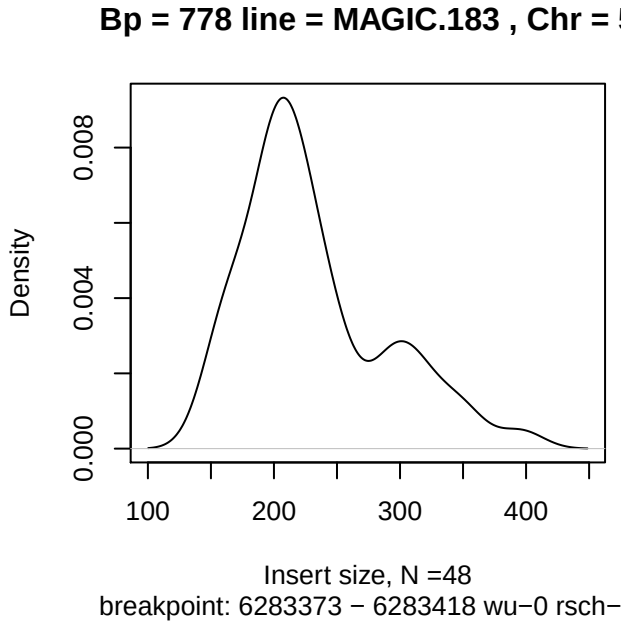

Bp = 773 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =55
breakpoint: 5898617 − 5898775 edi−0 oy−0

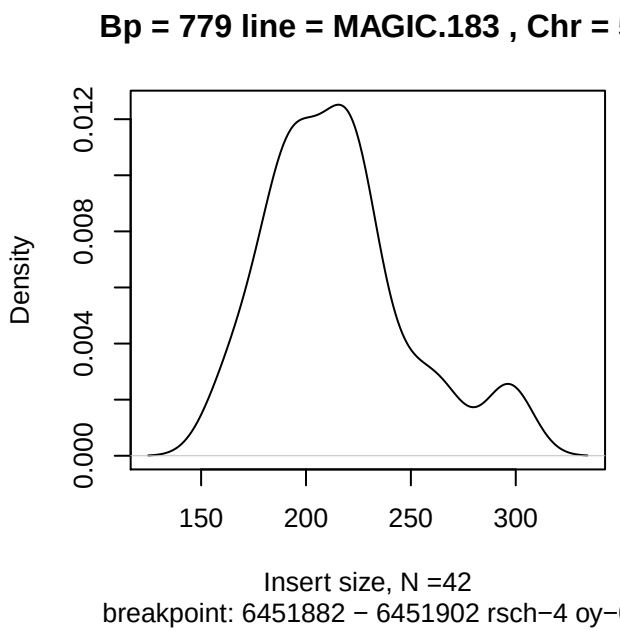

Bp = 774 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =23
breakpoint: 5934994 − 5935019 oy−0 bur−0

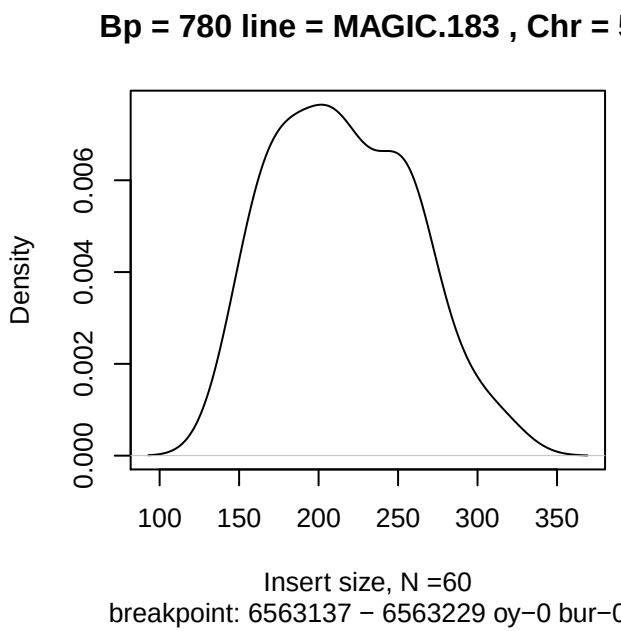

Bp = 775 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =66
breakpoint: 6018995 − 6019045 bur−0 ler−0

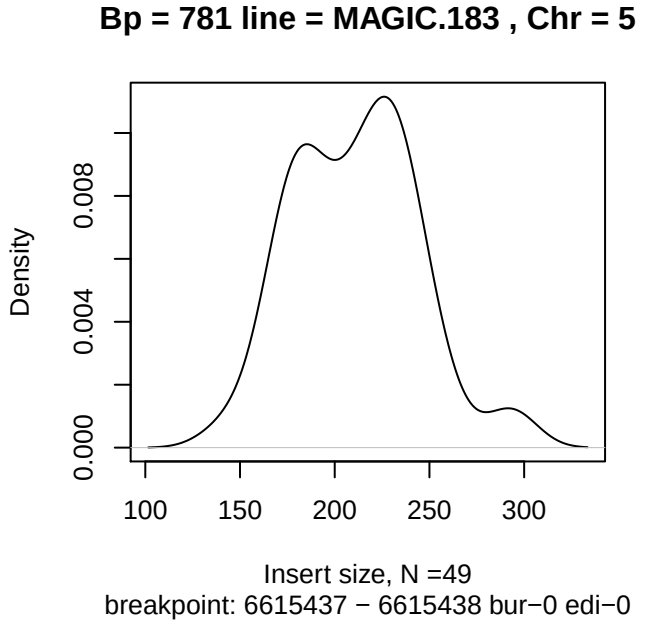

Bp = 776 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =53
breakpoint: 6042006 − 6042193 ler−0 edi−0


Bp = 777 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =35
breakpoint: 6230972 − 6231378 edi−0 wu−0


Bp = 778 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =48
breakpoint: 6283373 − 6283418 wu−0 rsch−4


Bp = 779 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
150
200
250
300
Insert size, N =42
breakpoint: 6451882 − 6451902 rsch−4 oy−0


Bp = 780 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =60
breakpoint: 6563137 − 6563229 oy−0 bur−0


Bp = 781 line = MAGIC.183 , Chr = 5
Density
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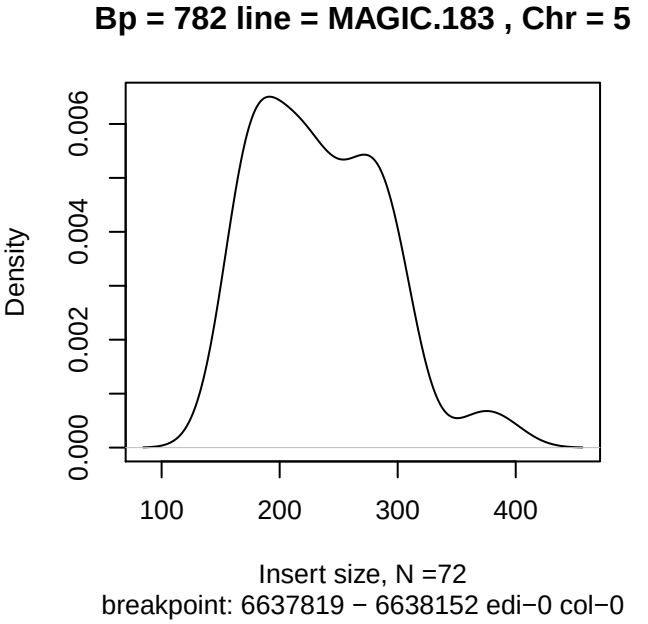
0.004
0.008
100
150
200
250
300
Insert size, N =49
breakpoint: 6615437 − 6615438 bur−0 edi−0


Bp = 782 line = MAGIC.183 , Chr = 5
Density
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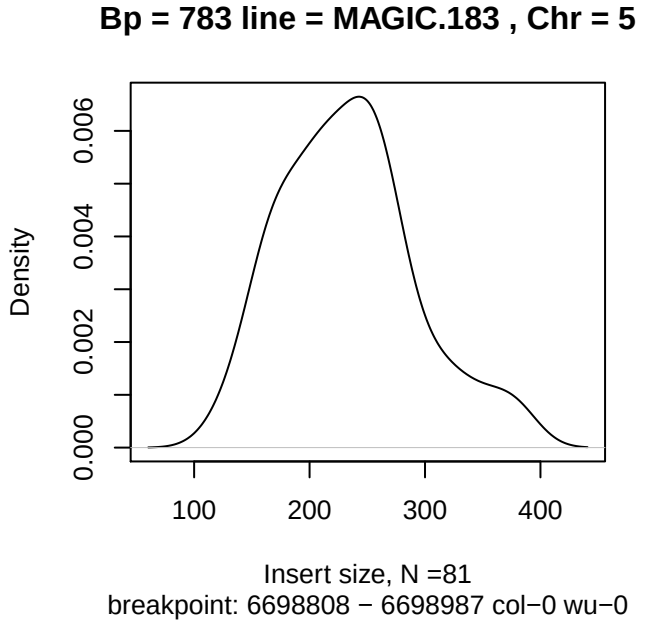
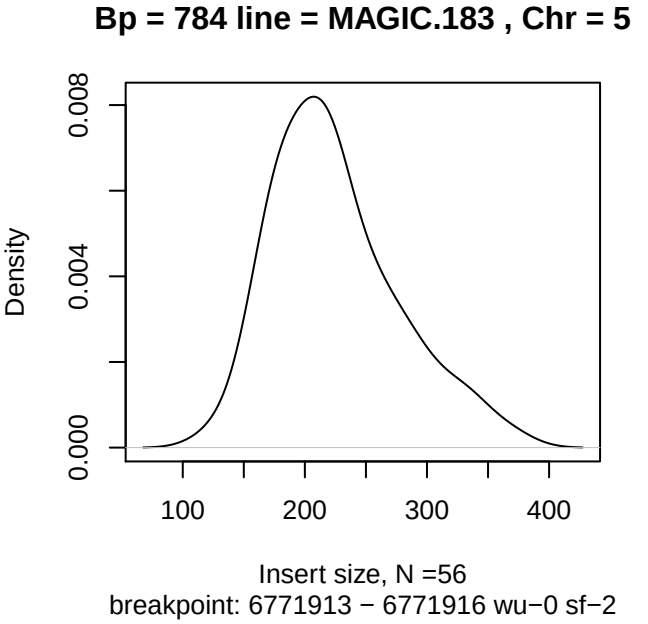
0.002
0.004
0.006
100
200
300
400
Insert size, N =72
breakpoint: 6637819 − 6638152 edi−0 col−0


Bp = 783 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =81
breakpoint: 6698808 − 6698987 col−0 wu−0


Bp = 784 line = MAGIC.183 , Chr = 5
Density
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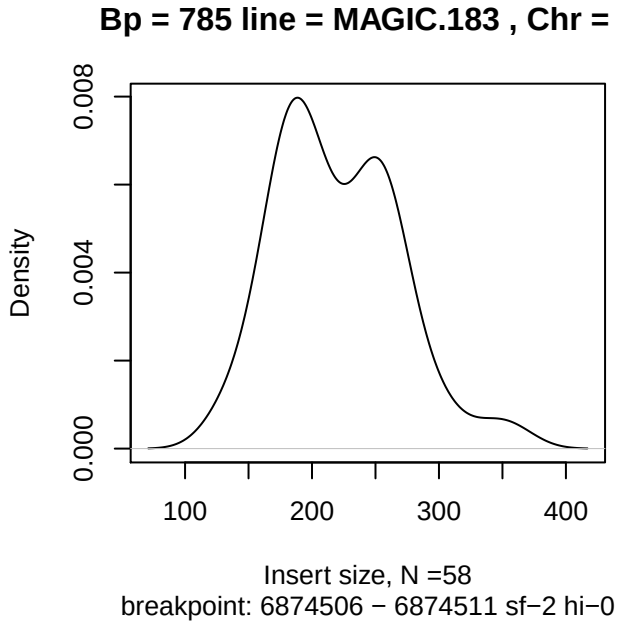
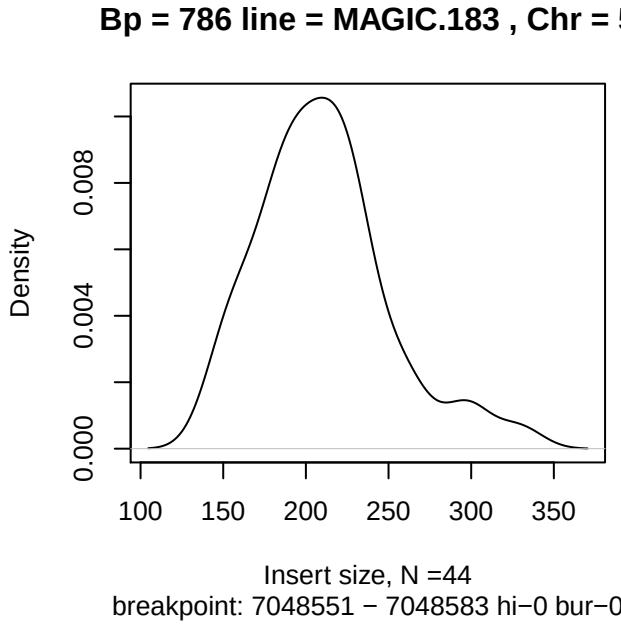
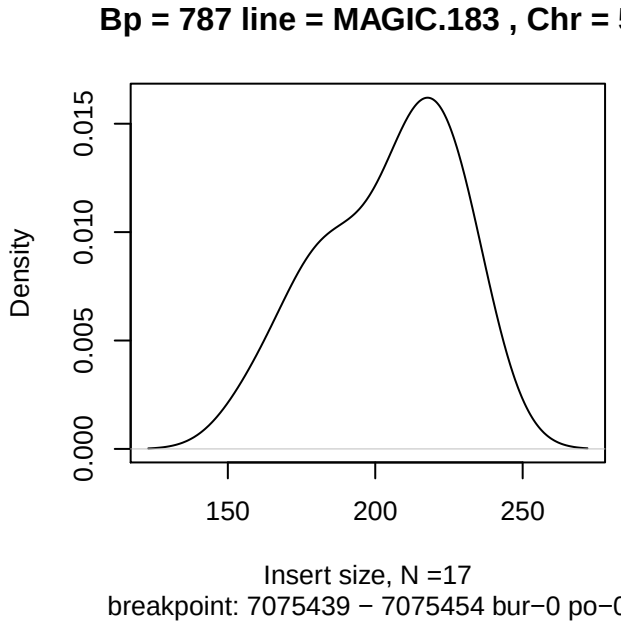
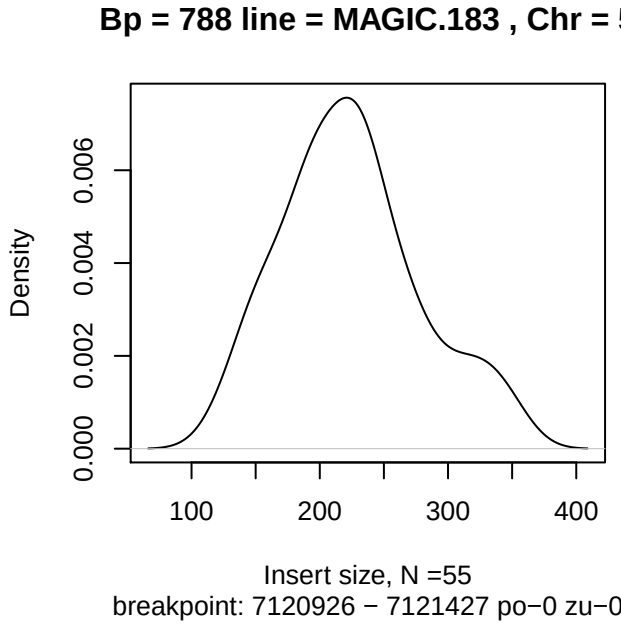
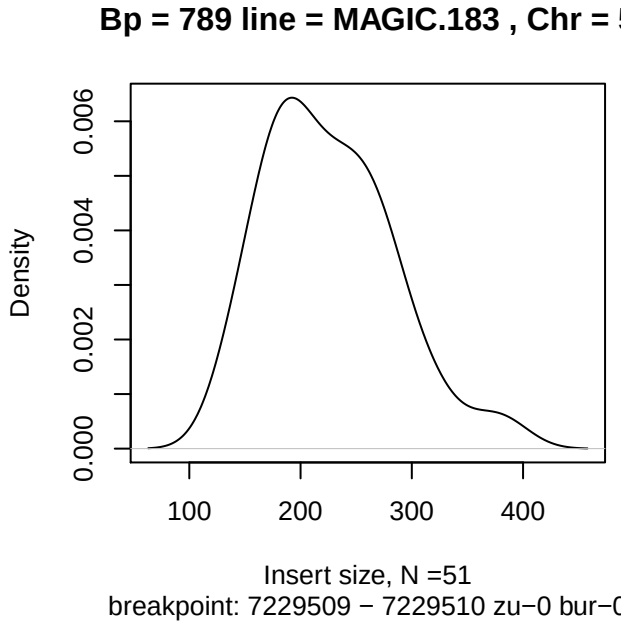
0.004
0.008
100
200
300
400
Insert size, N =56
breakpoint: 6771913 − 6771916 wu−0 sf−2

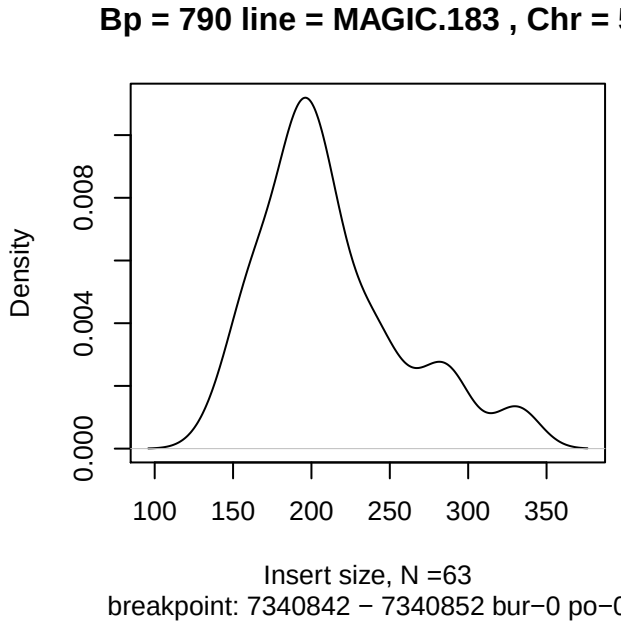

Bp = 785 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =58
breakpoint: 6874506 − 6874511 sf−2 hi−0

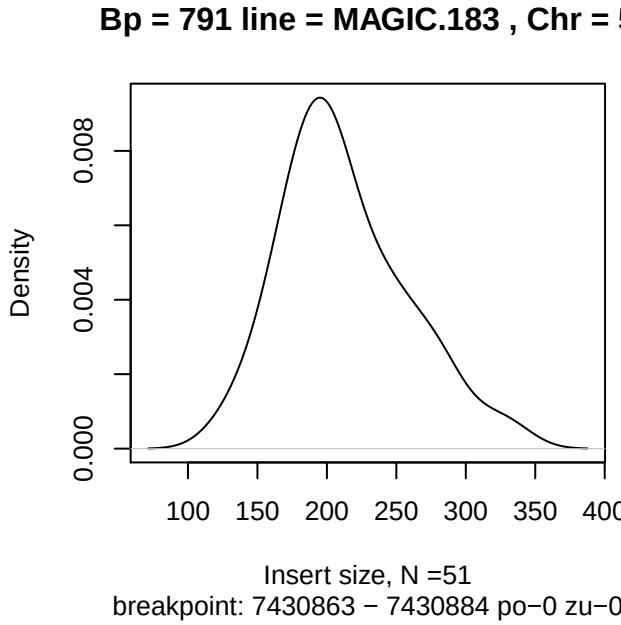

Bp = 786 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =44
breakpoint: 7048551 − 7048583 hi−0 bur−0


Bp = 787 line = MAGIC.183 , Chr = 5
Density
0.000
0.005
0.010
0.015
150
200
250
Insert size, N =17
breakpoint: 7075439 − 7075454 bur−0 po−0


Bp = 788 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =55
breakpoint: 7120926 − 7121427 po−0 zu−0


Bp = 789 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =51
breakpoint: 7229509 − 7229510 zu−0 bur−0


Bp = 790 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =63
breakpoint: 7340842 − 7340852 bur−0 po−0


Bp = 791 line = MAGIC.183 , Chr = 5
Density
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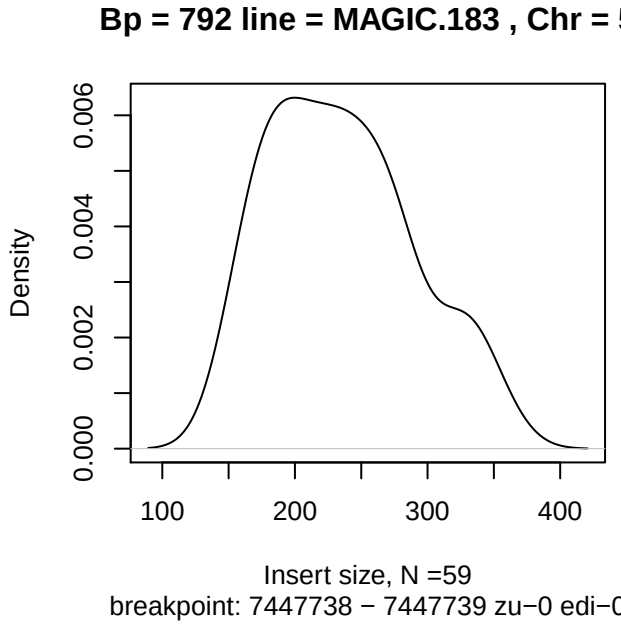
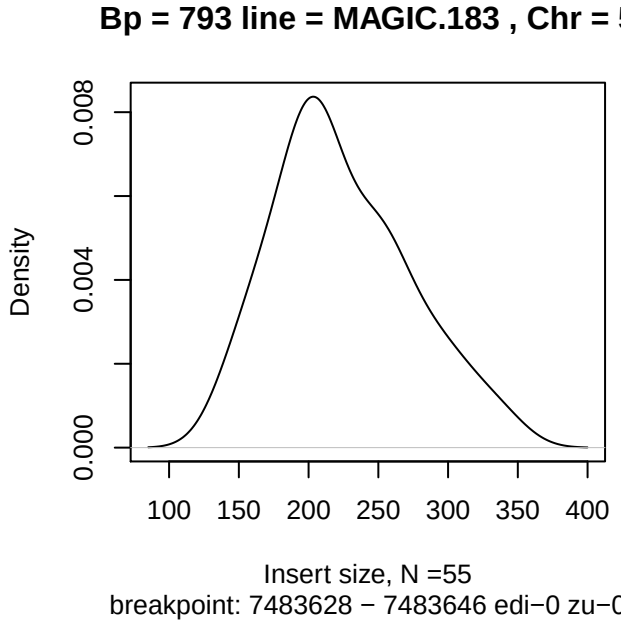
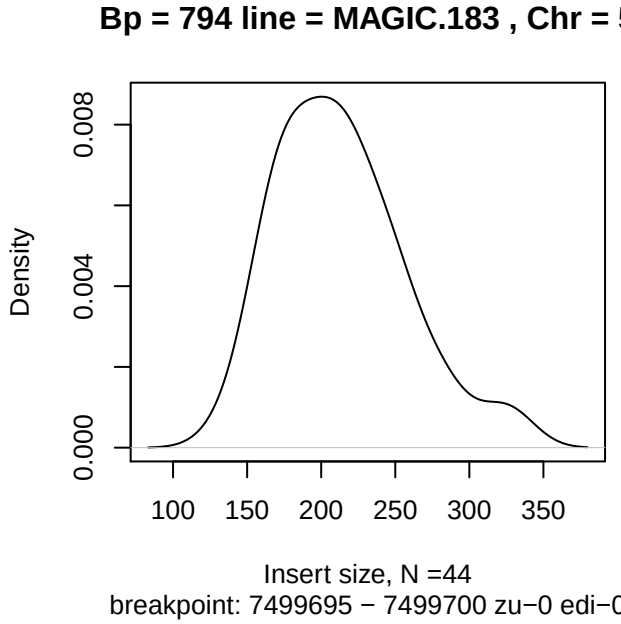
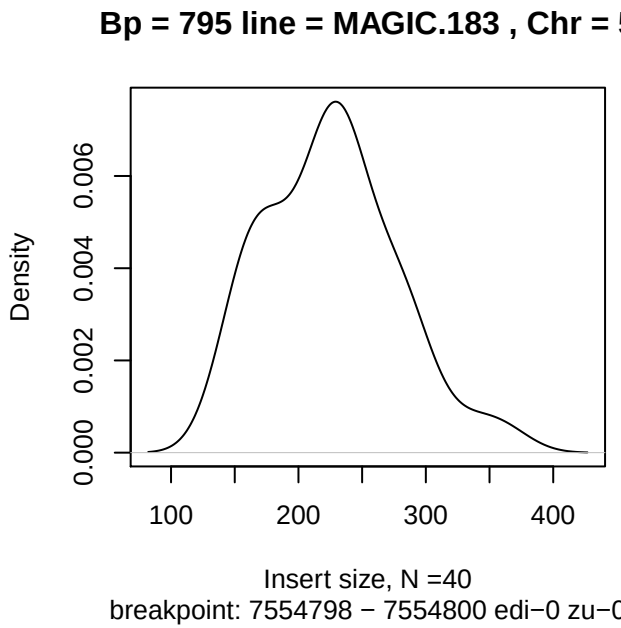
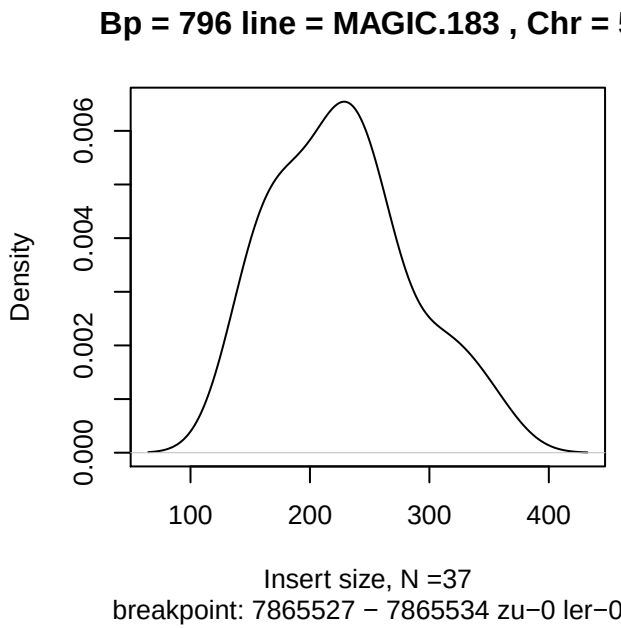
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =51
breakpoint: 7430863 − 7430884 po−0 zu−0


Bp = 792 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =59
breakpoint: 7447738 − 7447739 zu−0 edi−0


Bp = 793 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =55
breakpoint: 7483628 − 7483646 edi−0 zu−0


Bp = 794 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =44
breakpoint: 7499695 − 7499700 zu−0 edi−0


Bp = 795 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =40
breakpoint: 7554798 − 7554800 edi−0 zu−0


Bp = 796 line = MAGIC.183 , Chr = 5
Density
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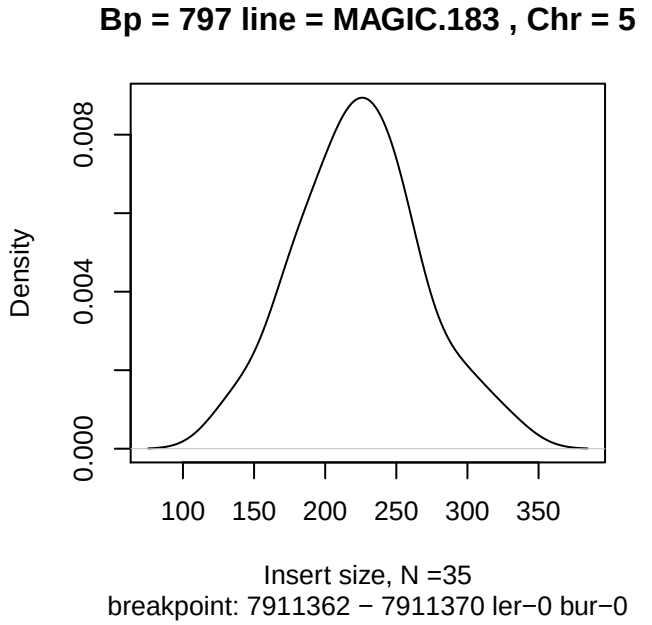
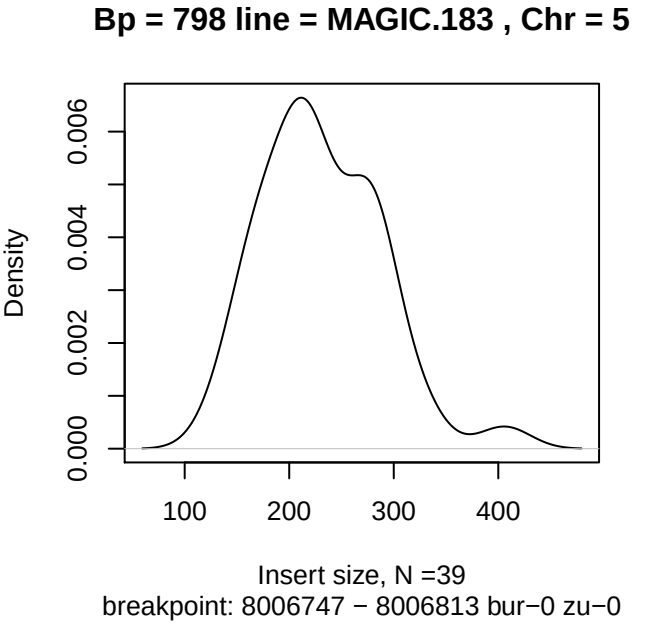
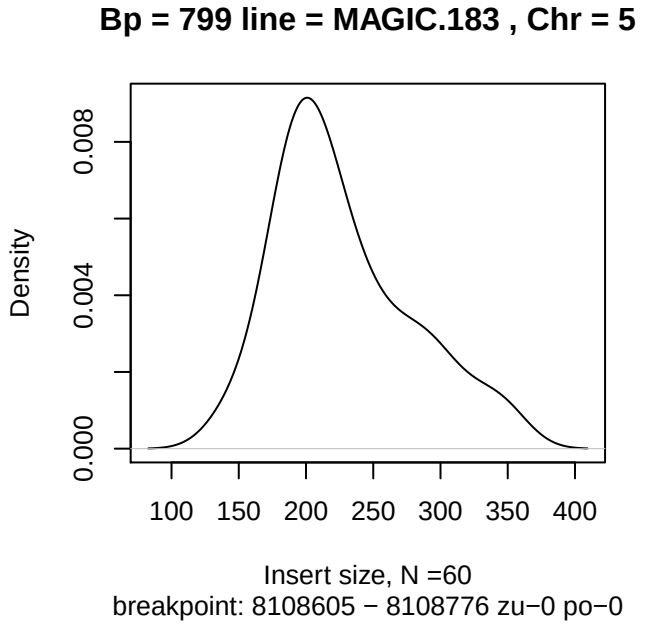
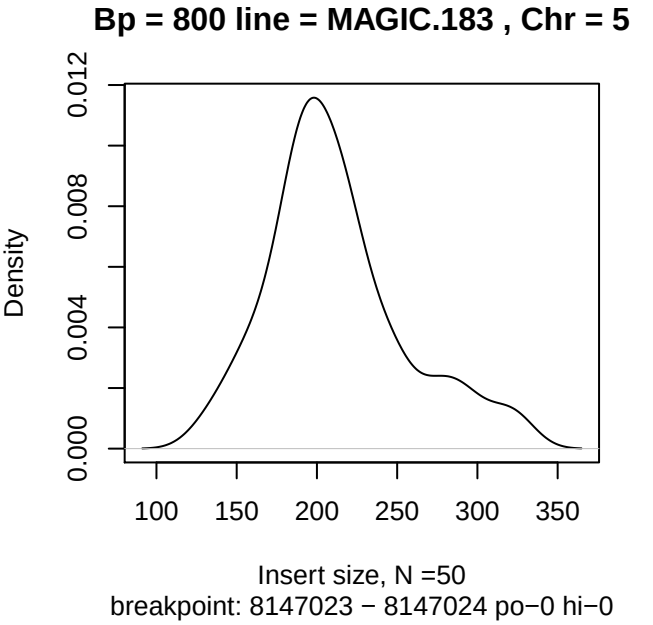
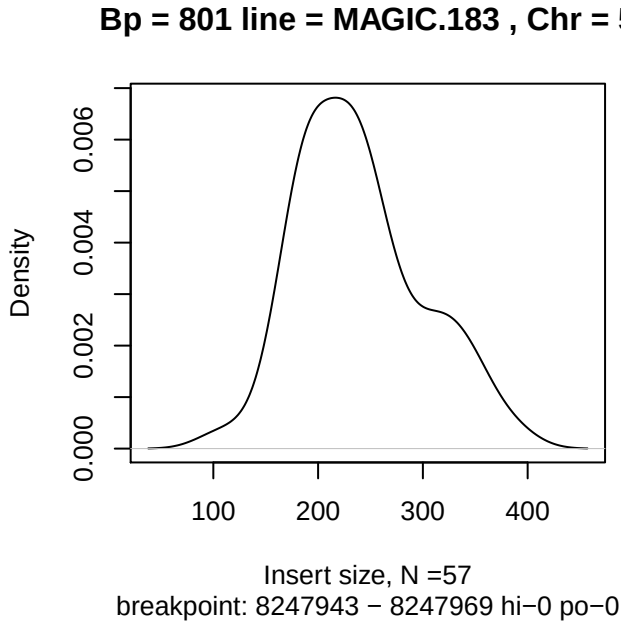
0.002
0.004
0.006
100
200
300
400
Insert size, N =37
breakpoint: 7865527 − 7865534 zu−0 ler−0

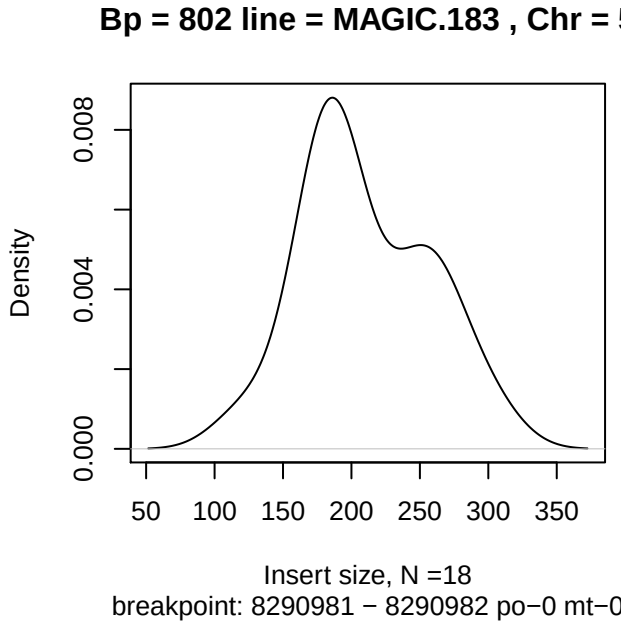

Bp = 797 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =35
breakpoint: 7911362 − 7911370 ler−0 bur−0

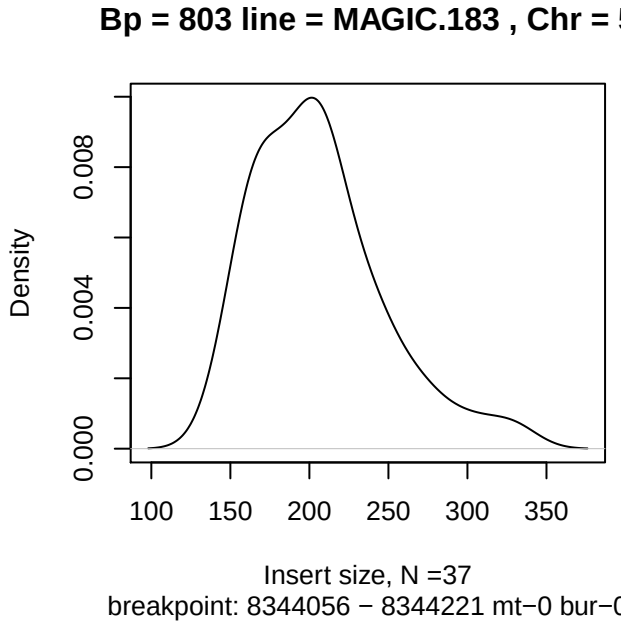

Bp = 798 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =39
breakpoint: 8006747 − 8006813 bur−0 zu−0


Bp = 799 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =60
breakpoint: 8108605 − 8108776 zu−0 po−0


Bp = 800 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =50
breakpoint: 8147023 − 8147024 po−0 hi−0


Bp = 801 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =57
breakpoint: 8247943 − 8247969 hi−0 po−0


Bp = 802 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =18
breakpoint: 8290981 − 8290982 po−0 mt−0


Bp = 803 line = MAGIC.183 , Chr = 5
Density
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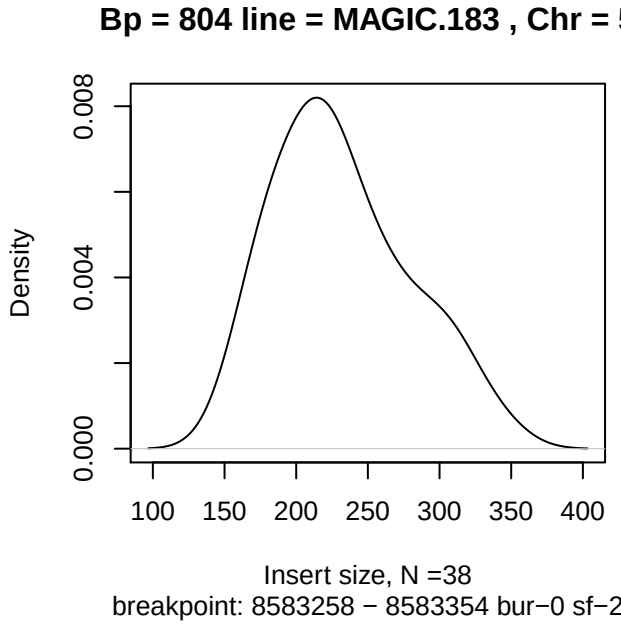
0.004
0.008
100
150
200
250
300
350
Insert size, N =37
breakpoint: 8344056 − 8344221 mt−0 bur−0


Bp = 804 line = MAGIC.183 , Chr = 5
Density
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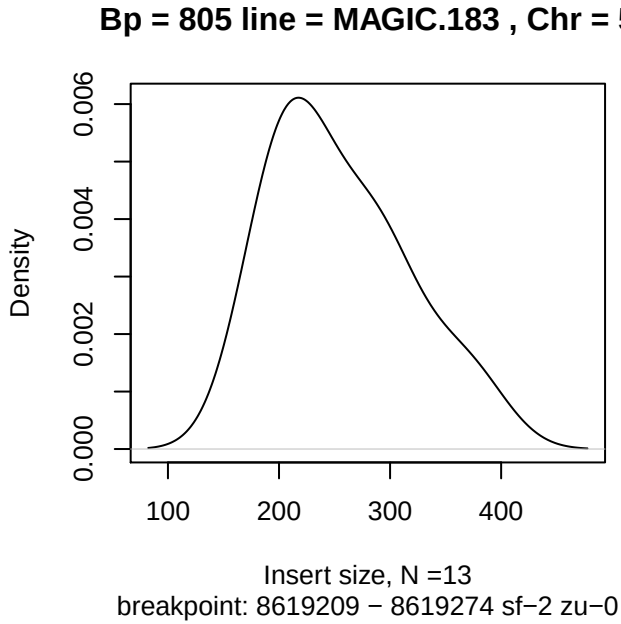
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =38
breakpoint: 8583258 − 8583354 bur−0 sf−2


Bp = 805 line = MAGIC.183 , Chr = 5
Density
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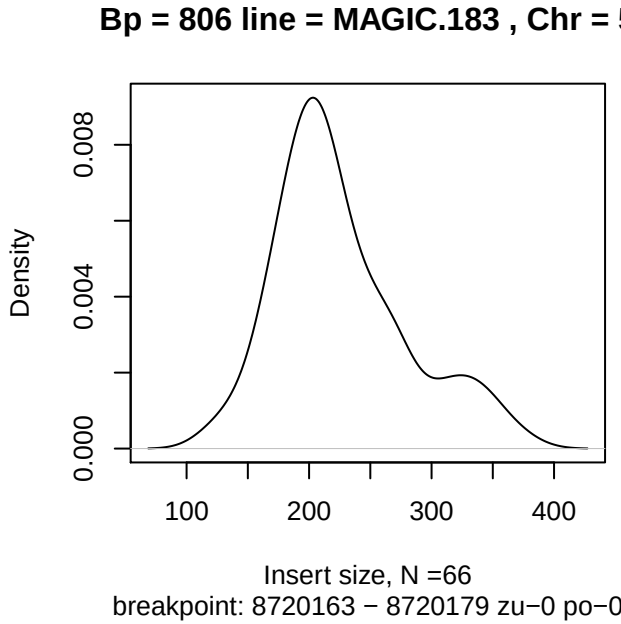
0.004
0.006
100
200
300
400
Insert size, N =13
breakpoint: 8619209 − 8619274 sf−2 zu−0


Bp = 806 line = MAGIC.183 , Chr = 5
Density
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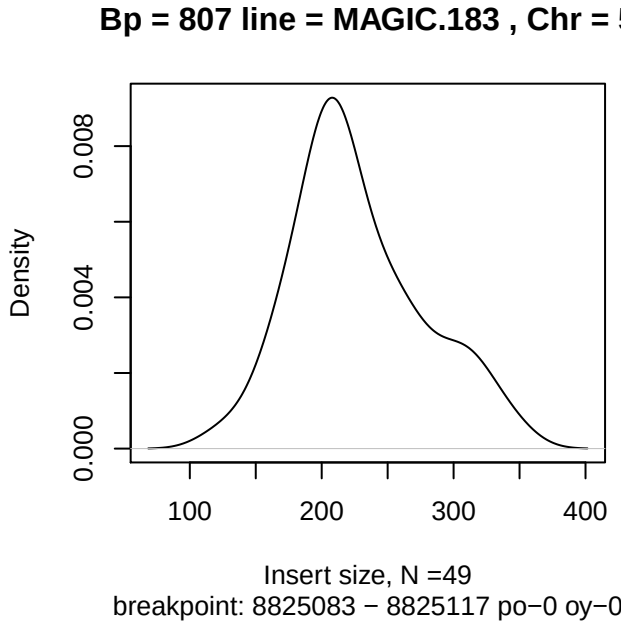
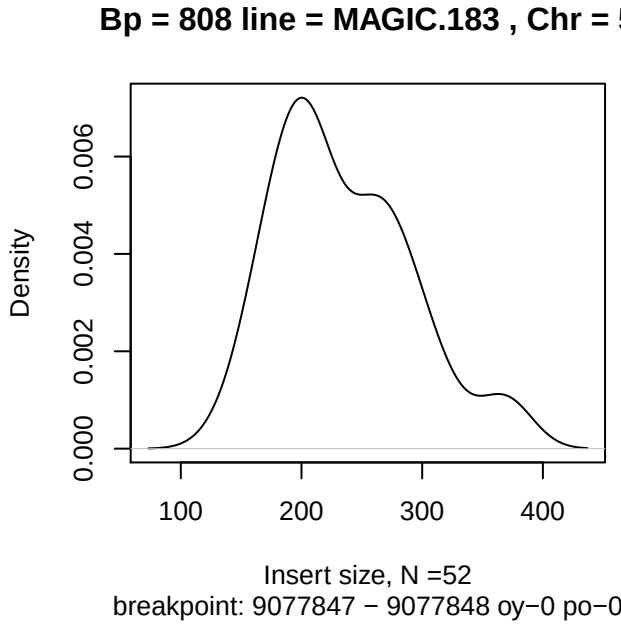
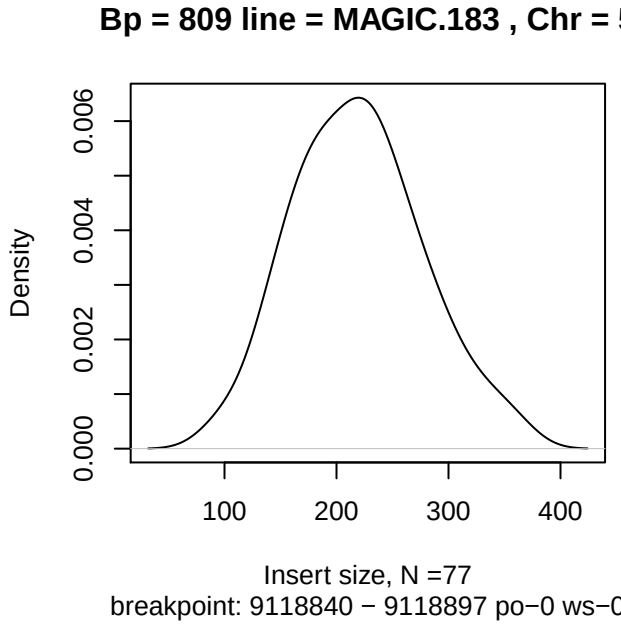
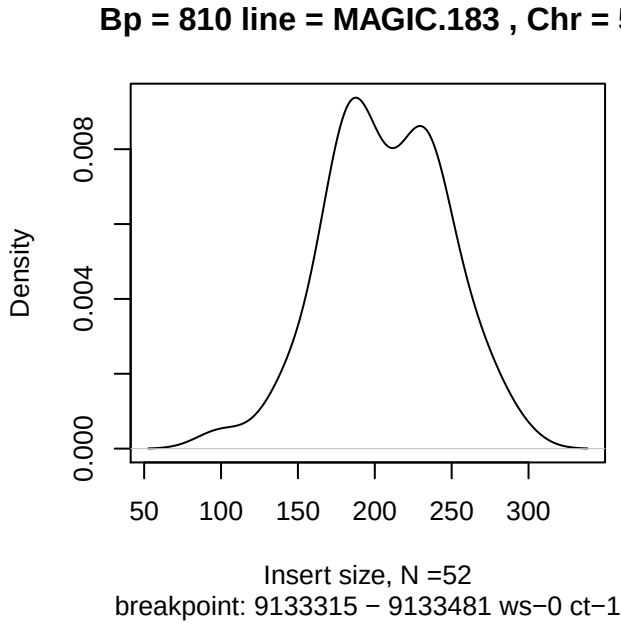
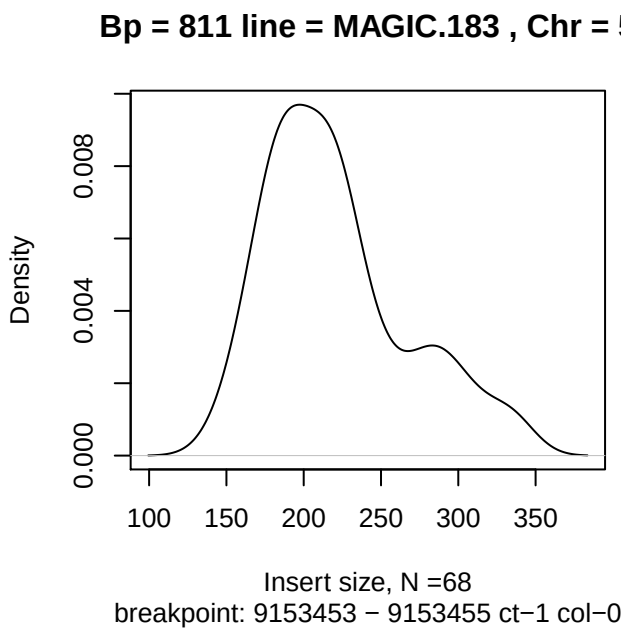
0.004
0.008
100
200
300
400
Insert size, N =66
breakpoint: 8720163 − 8720179 zu−0 po−0

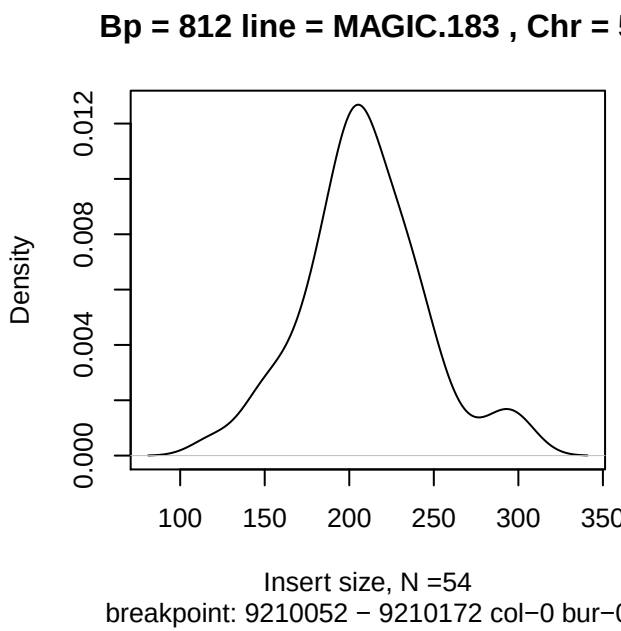

Bp = 807 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =49
breakpoint: 8825083 − 8825117 po−0 oy−0

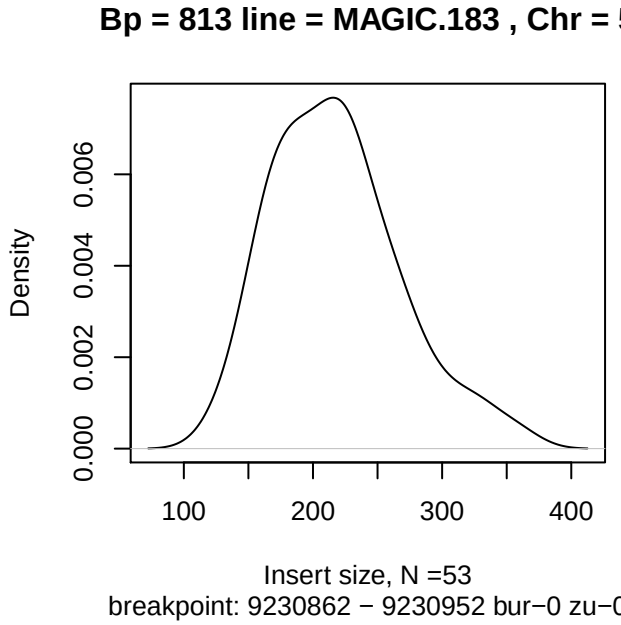

Bp = 808 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =52
breakpoint: 9077847 − 9077848 oy−0 po−0

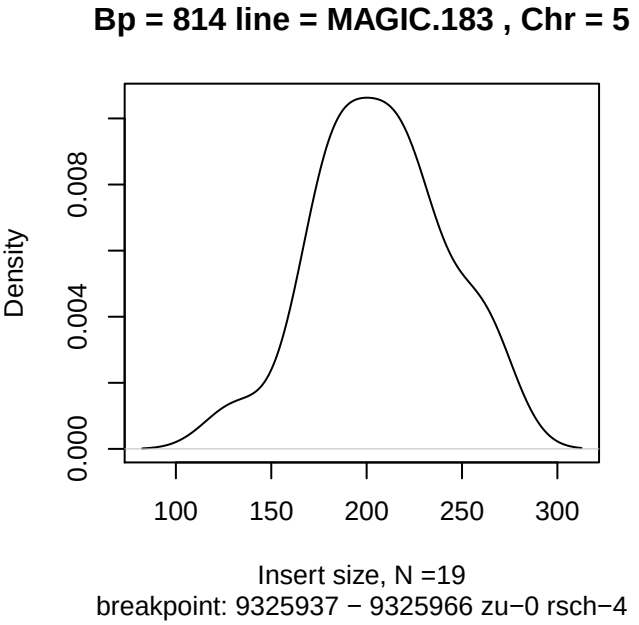

Bp = 809 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =77
breakpoint: 9118840 − 9118897 po−0 ws−0

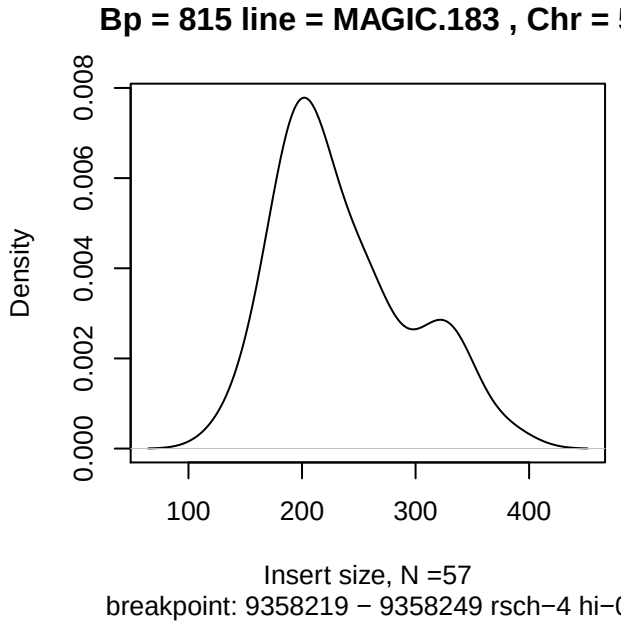

Bp = 810 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
50
100
150
200
250
300
Insert size, N =52
breakpoint: 9133315 − 9133481 ws−0 ct−1

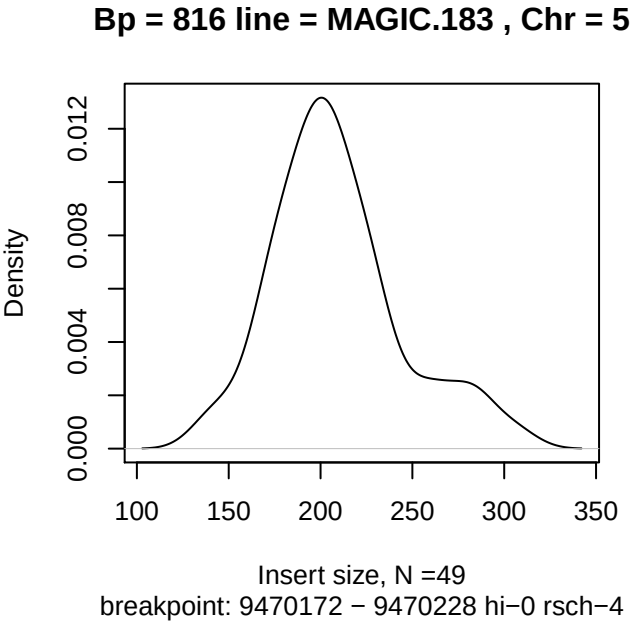

Bp = 811 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =68
breakpoint: 9153453 − 9153455 ct−1 col−0

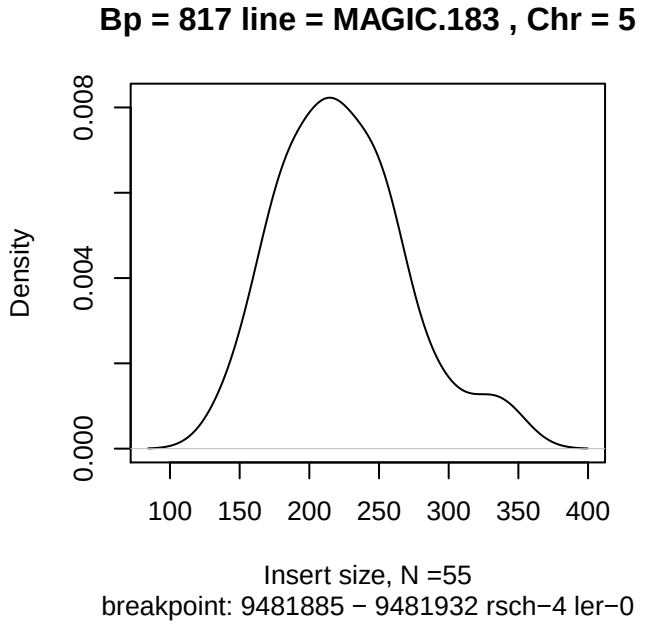

Bp = 812 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =54
breakpoint: 9210052 − 9210172 col−0 bur−0

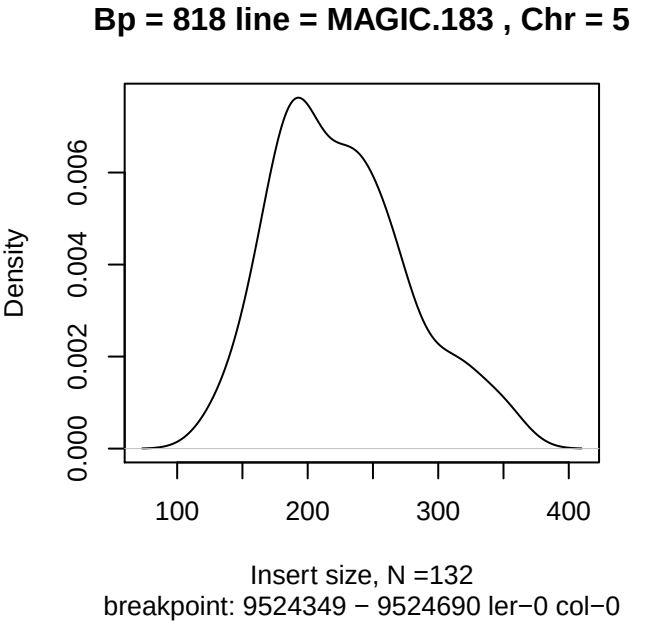

Bp = 813 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =53
breakpoint: 9230862 − 9230952 bur−0 zu−0

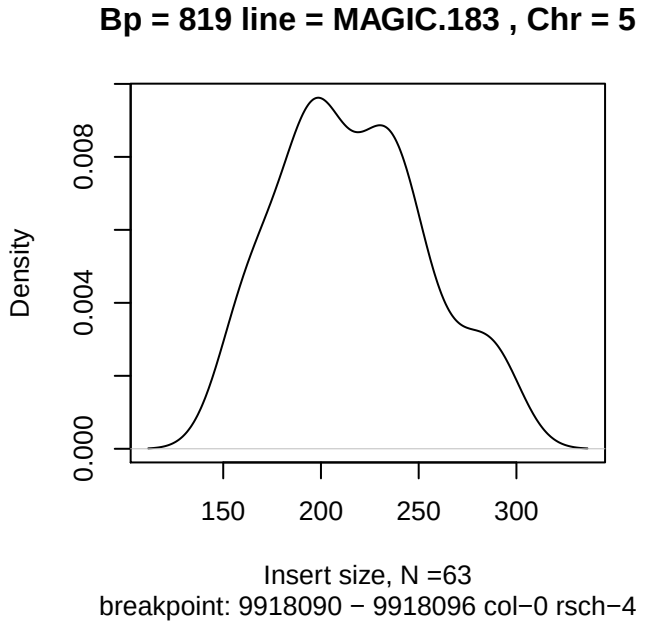

Bp = 814 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =19
breakpoint: 9325937 − 9325966 zu−0 rsch−4

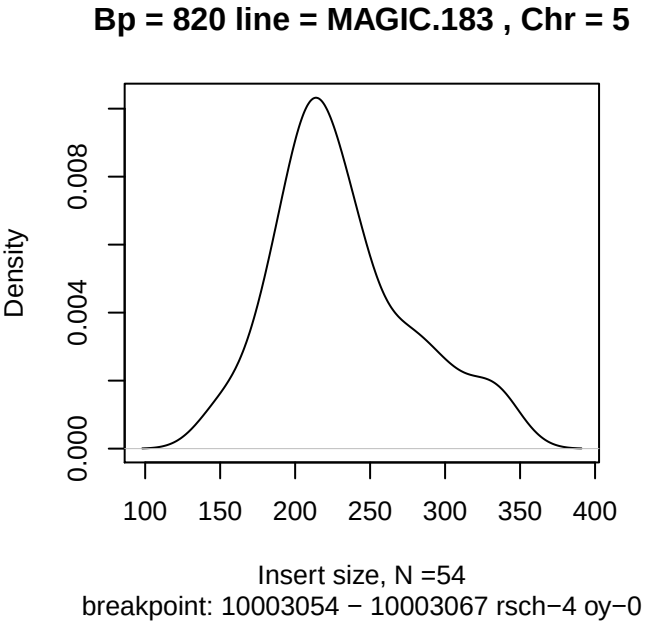

Bp = 815 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =57
breakpoint: 9358219 − 9358249 rsch−4 hi−0

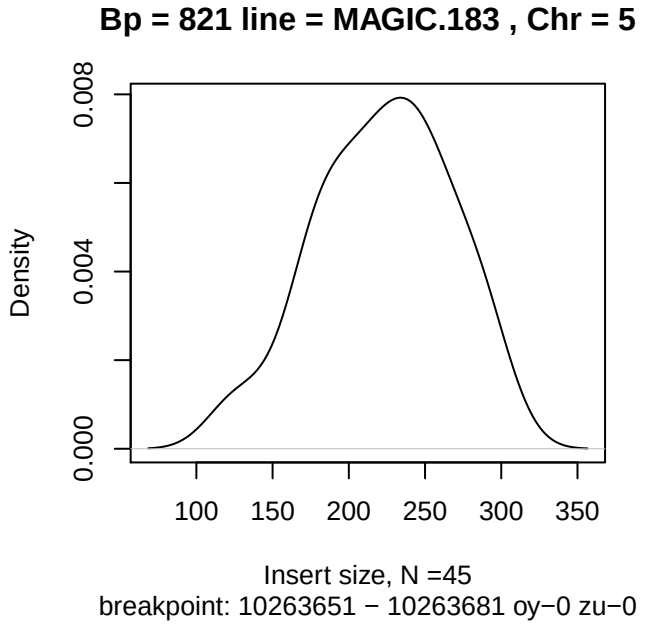

Bp = 816 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =49
breakpoint: 9470172 − 9470228 hi−0 rsch−4

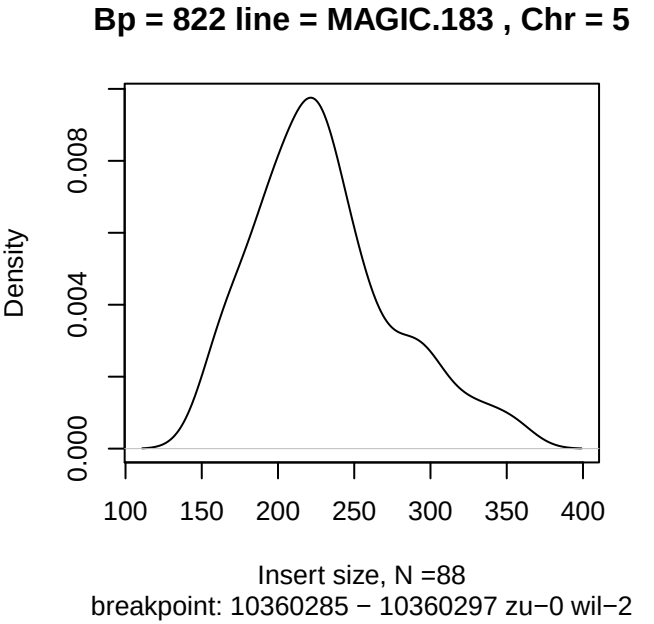

Bp = 817 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =55
breakpoint: 9481885 − 9481932 rsch−4 ler−0

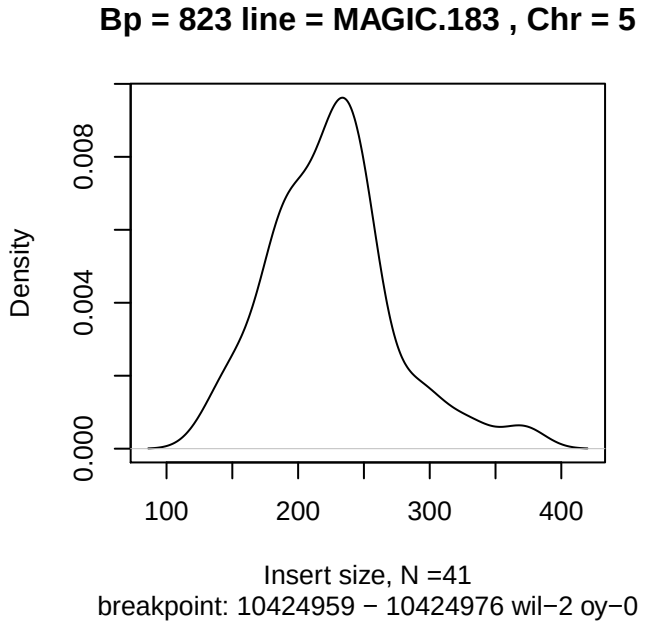

Bp = 818 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =132
breakpoint: 9524349 − 9524690 ler−0 col−0

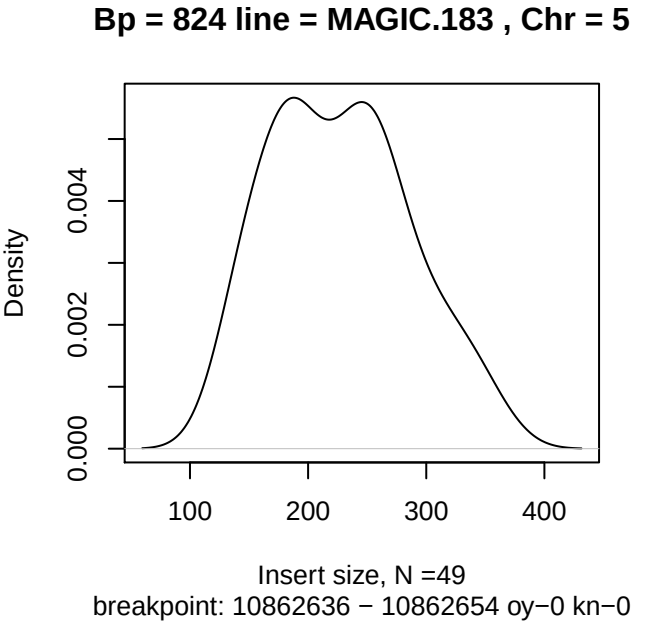

Bp = 819 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
150
200
250
300
Insert size, N =63
breakpoint: 9918090 − 9918096 col−0 rsch−4

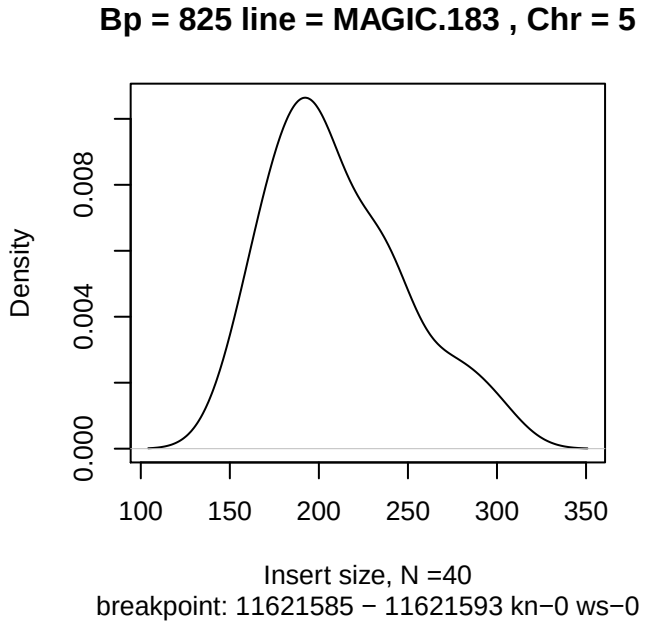

Bp = 820 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =54
breakpoint: 10003054 − 10003067 rsch−4 oy−0

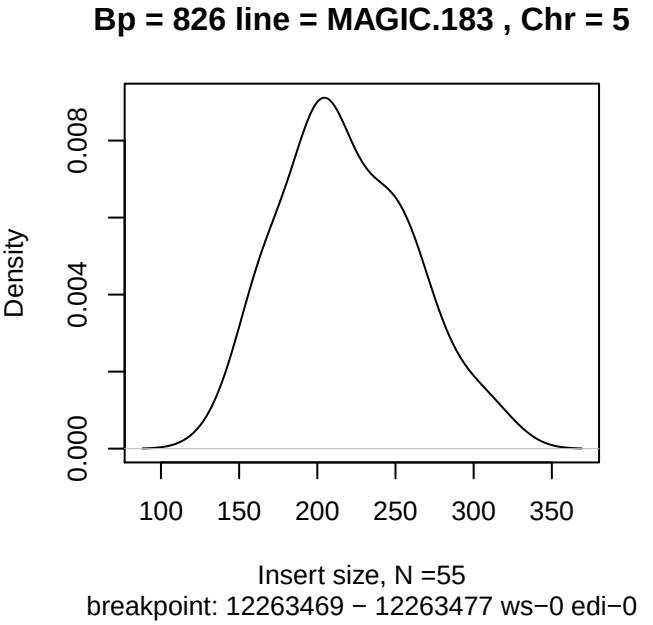

Bp = 821 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 10263651 − 10263681 oy−0 zu−0

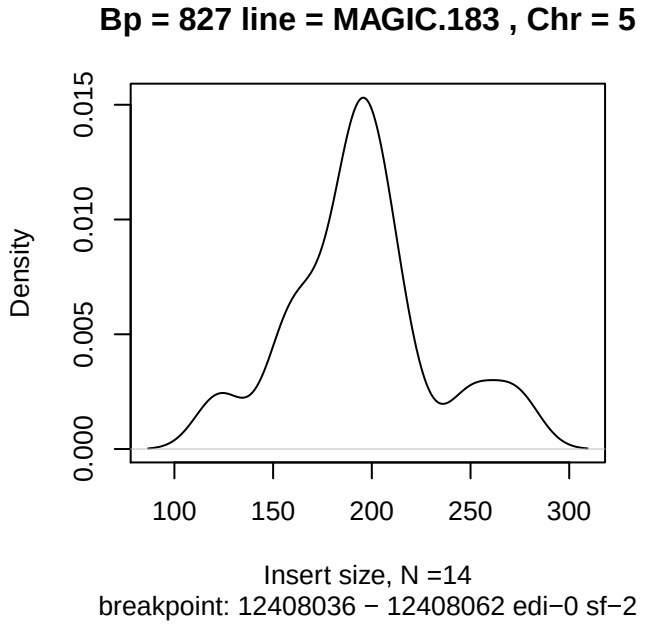

Bp = 822 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =88
breakpoint: 10360285 − 10360297 zu−0 wil−2

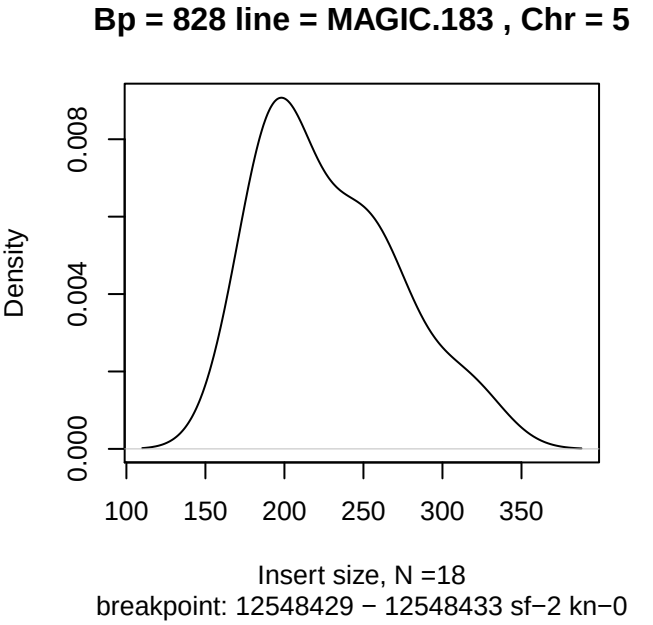

Bp = 823 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =41
breakpoint: 10424959 − 10424976 wil−2 oy−0

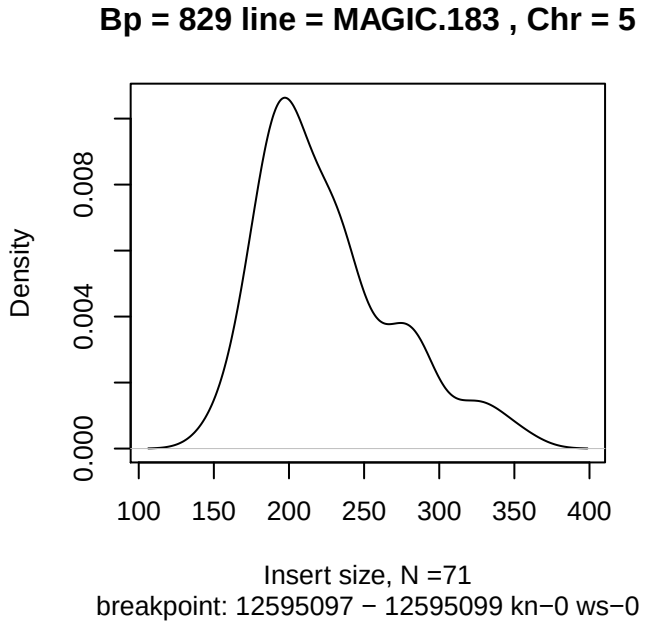

Bp = 824 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
100
200
300
400
Insert size, N =49
breakpoint: 10862636 − 10862654 oy−0 kn−0

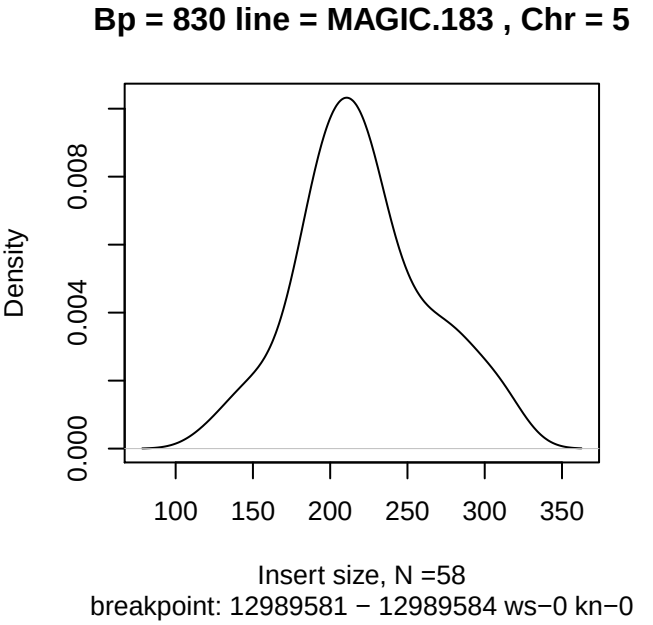

Bp = 825 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =40
breakpoint: 11621585 − 11621593 kn−0 ws−0

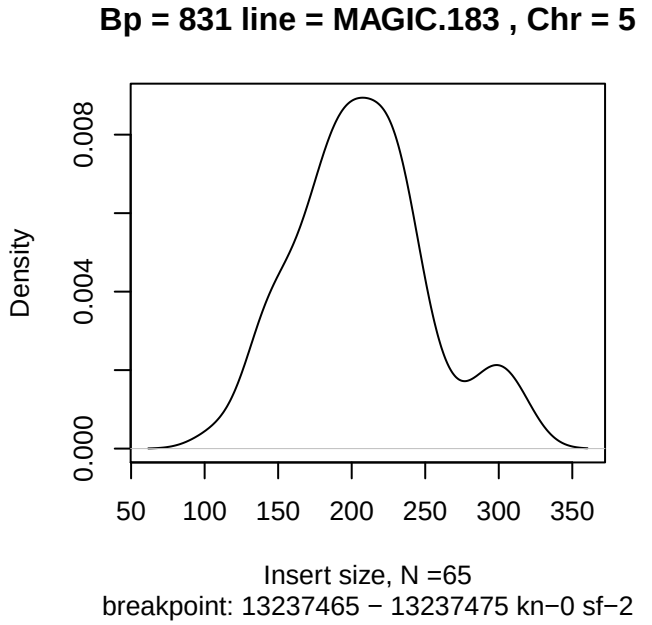

Bp = 826 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 12263469 − 12263477 ws−0 edi−0

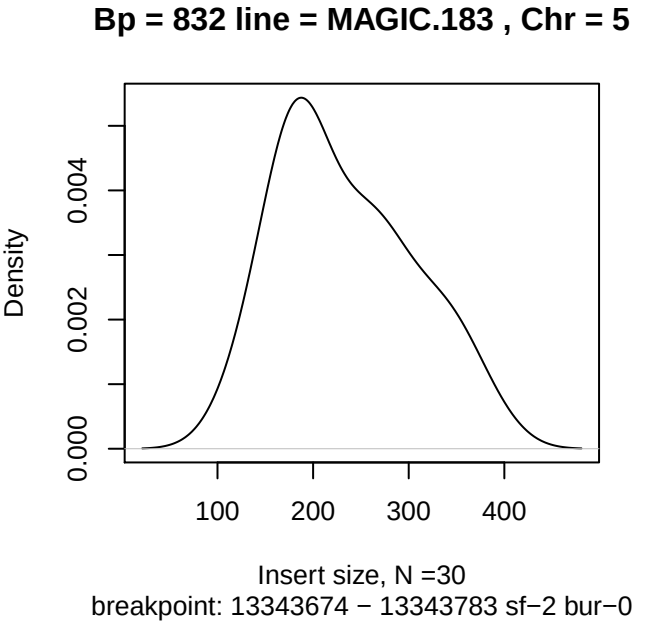

Bp = 827 line = MAGIC.183 , Chr = 5
Density
0.000
0.005
0.010
0.015
100
150
200
250
300
Insert size, N =14
breakpoint: 12408036 − 12408062 edi−0 sf−2

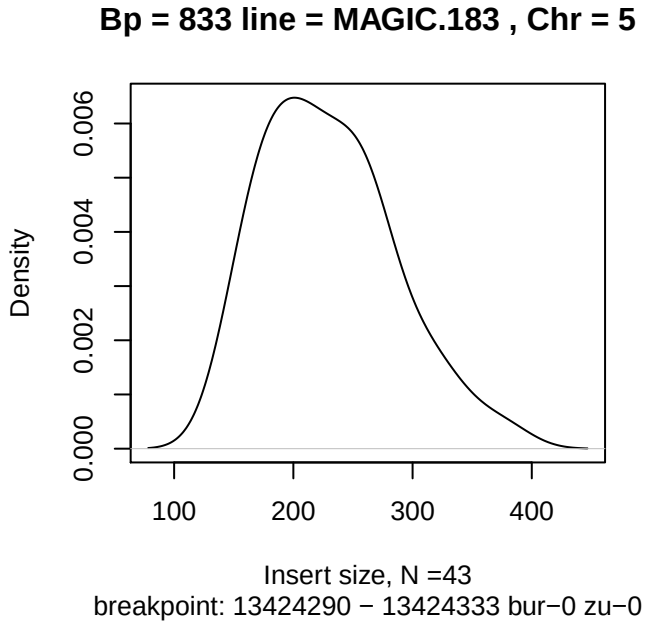

Bp = 828 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =18
breakpoint: 12548429 − 12548433 sf−2 kn−0

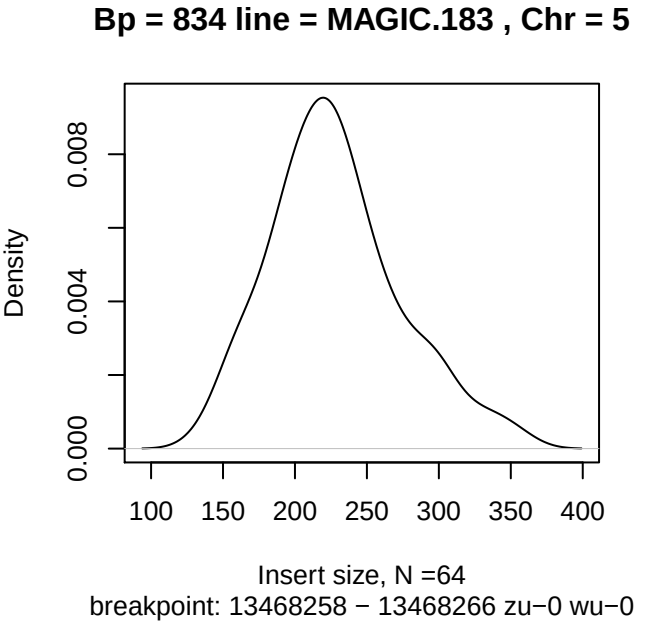

Bp = 829 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =71
breakpoint: 12595097 − 12595099 kn−0 ws−0

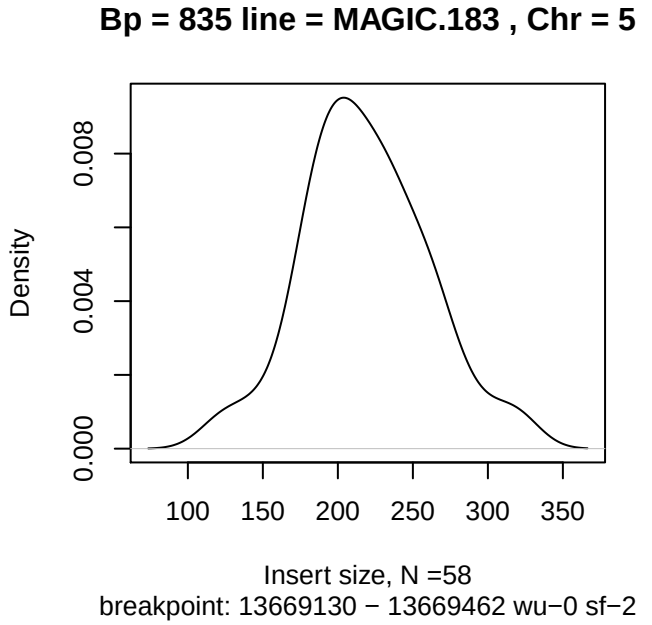

Bp = 830 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =58
breakpoint: 12989581 − 12989584 ws−0 kn−0

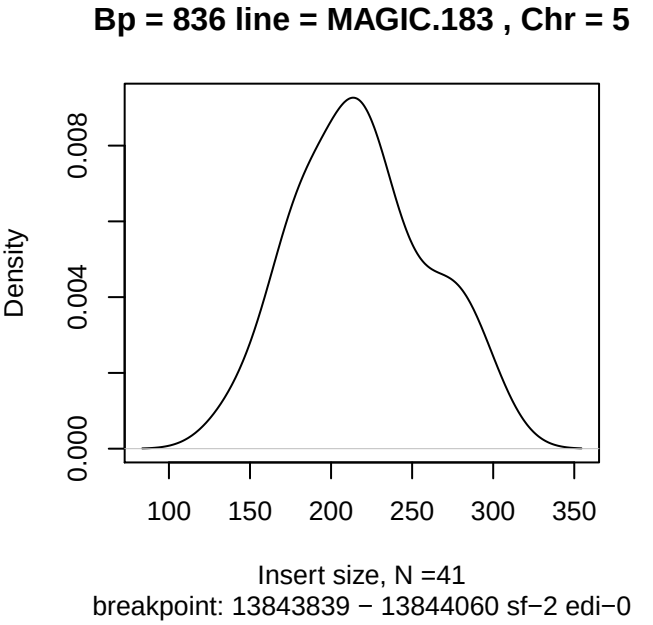

Bp = 831 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =65
breakpoint: 13237465 − 13237475 kn−0 sf−2

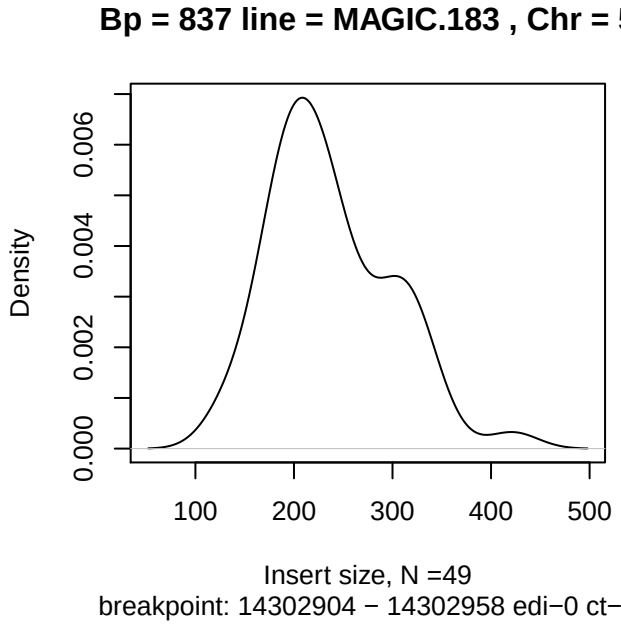

Bp = 832 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
100
200
300
400
Insert size, N =30
breakpoint: 13343674 − 13343783 sf−2 bur−0

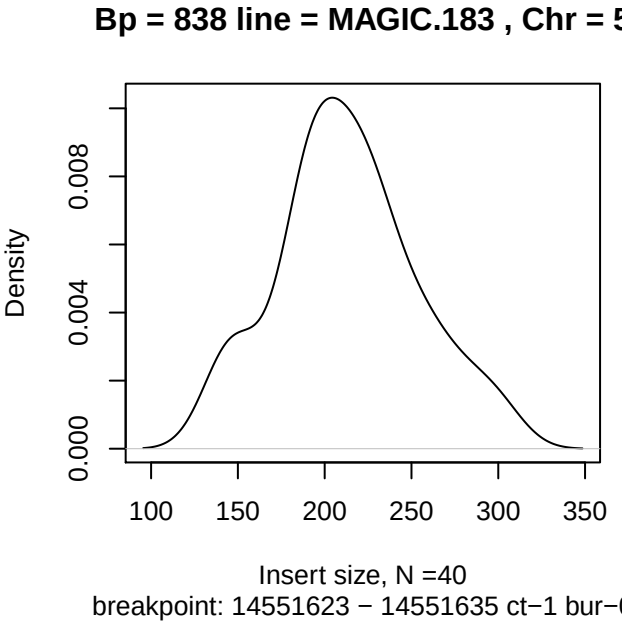

Bp = 833 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =43
breakpoint: 13424290 − 13424333 bur−0 zu−0

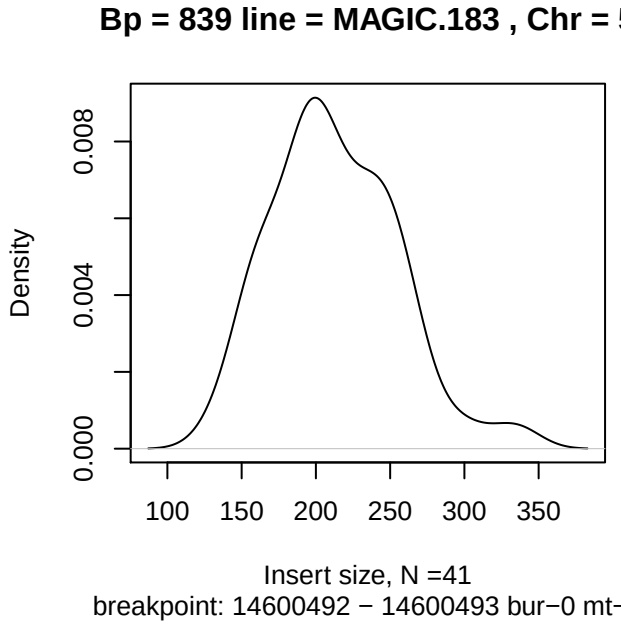

Bp = 834 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =64
breakpoint: 13468258 − 13468266 zu−0 wu−0

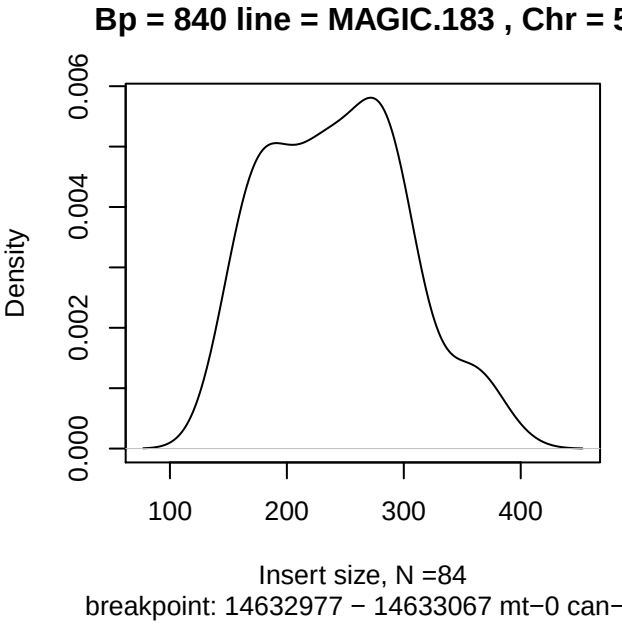

Bp = 835 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =58
breakpoint: 13669130 − 13669462 wu−0 sf−2

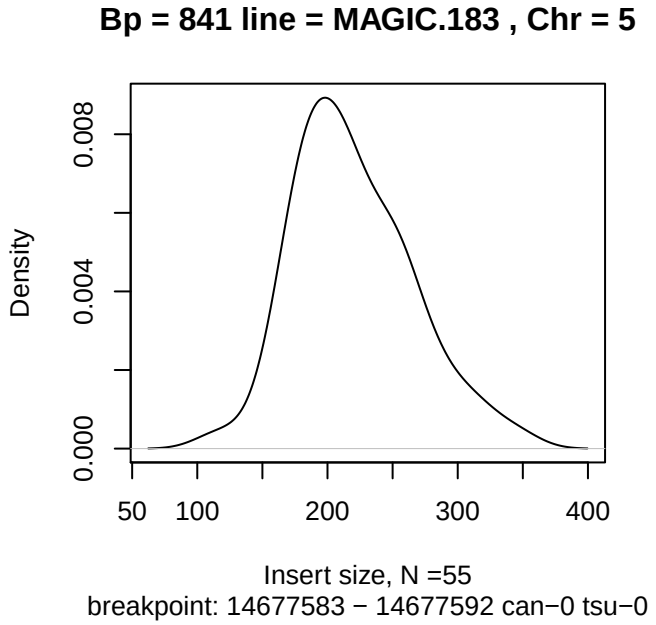

Bp = 836 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =41
breakpoint: 13843839 − 13844060 sf−2 edi−0

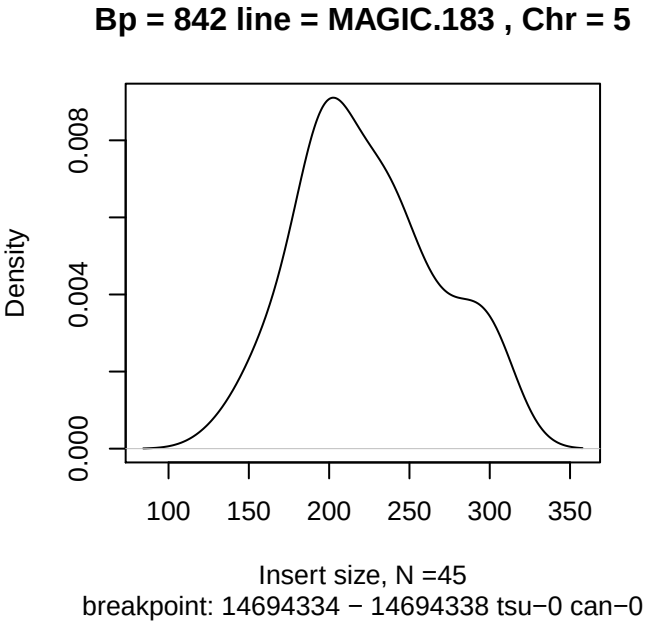

Bp = 837 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
500
Insert size, N =49
breakpoint: 14302904 − 14302958 edi−0 ct−1

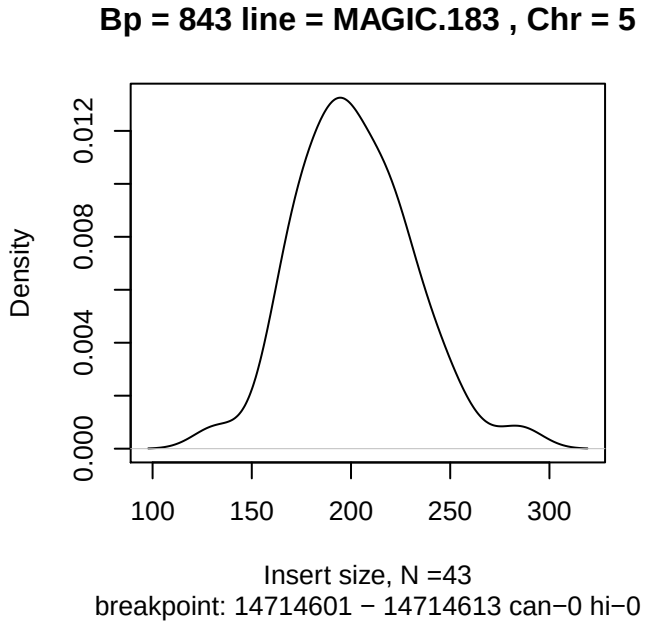

Bp = 838 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =40
breakpoint: 14551623 − 14551635 ct−1 bur−0

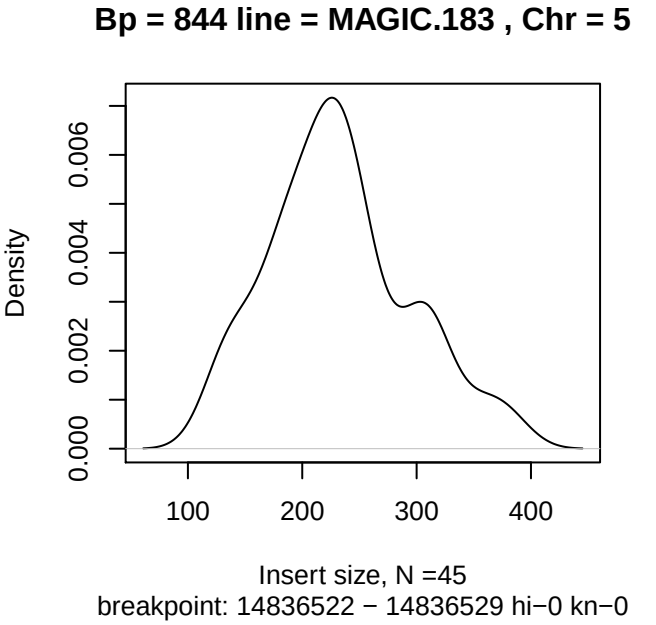

Bp = 839 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =41
breakpoint: 14600492 − 14600493 bur−0 mt−0

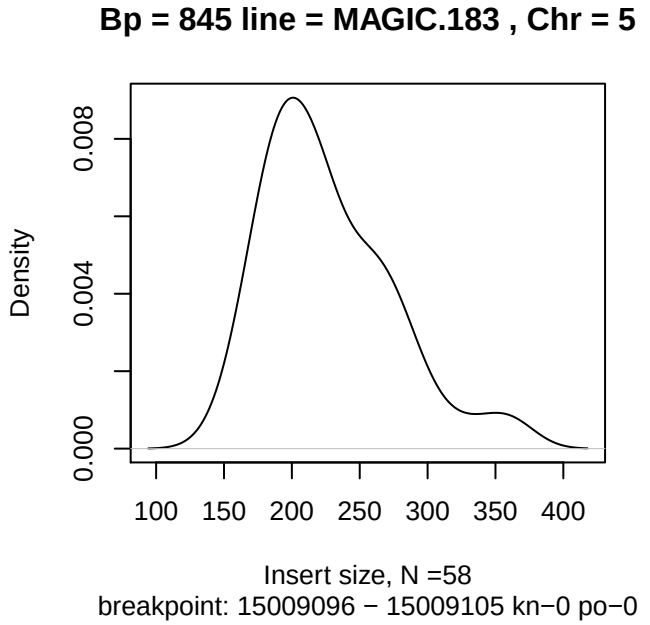

Bp = 840 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =84
breakpoint: 14632977 − 14633067 mt−0 can−0

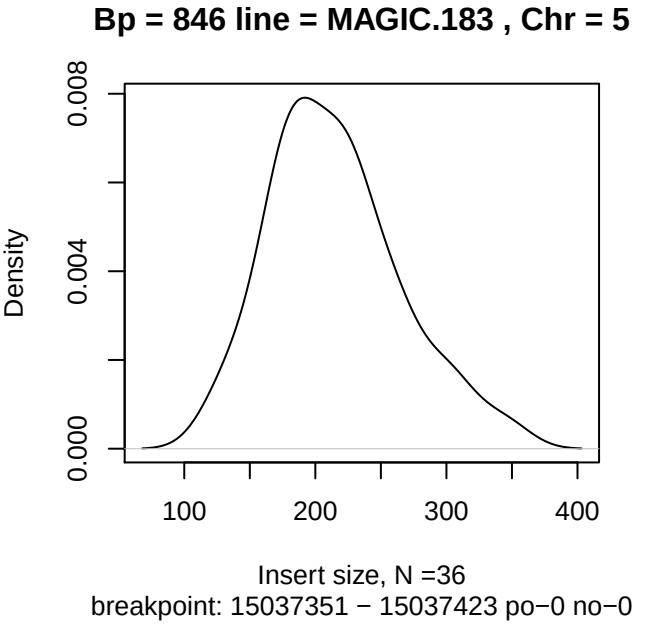

Bp = 841 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =55
breakpoint: 14677583 − 14677592 can−0 tsu−0

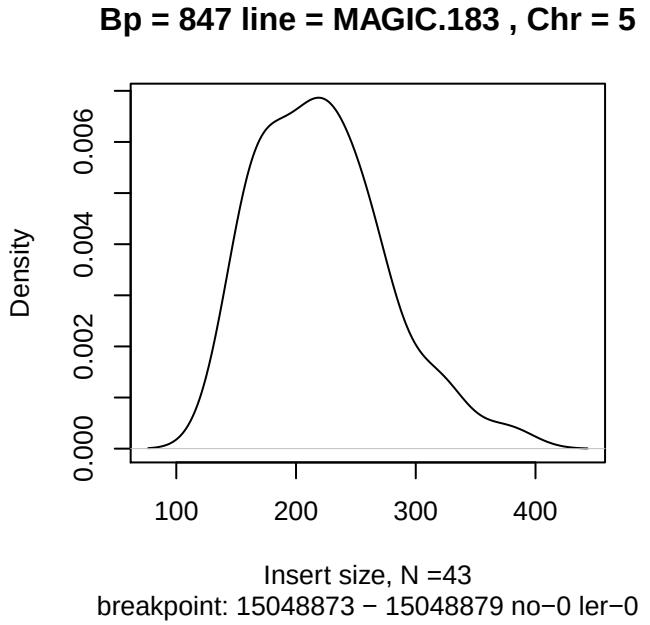

Bp = 842 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 14694334 − 14694338 tsu−0 can−0

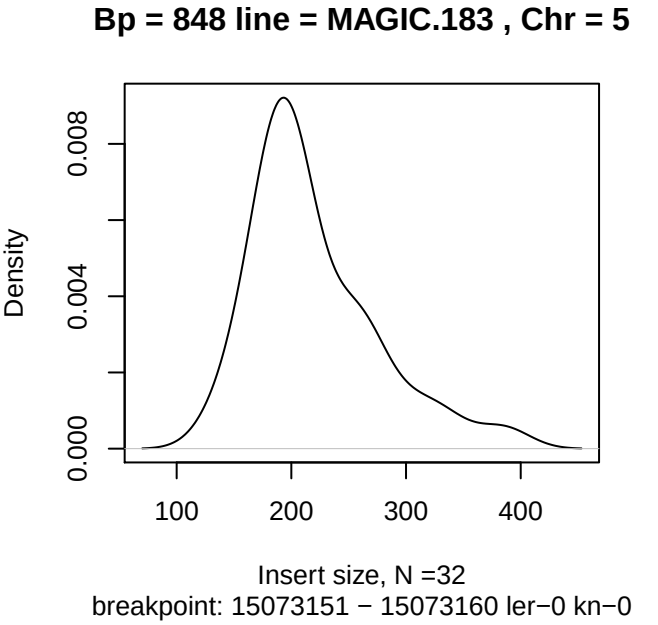

Bp = 843 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =43
breakpoint: 14714601 − 14714613 can−0 hi−0

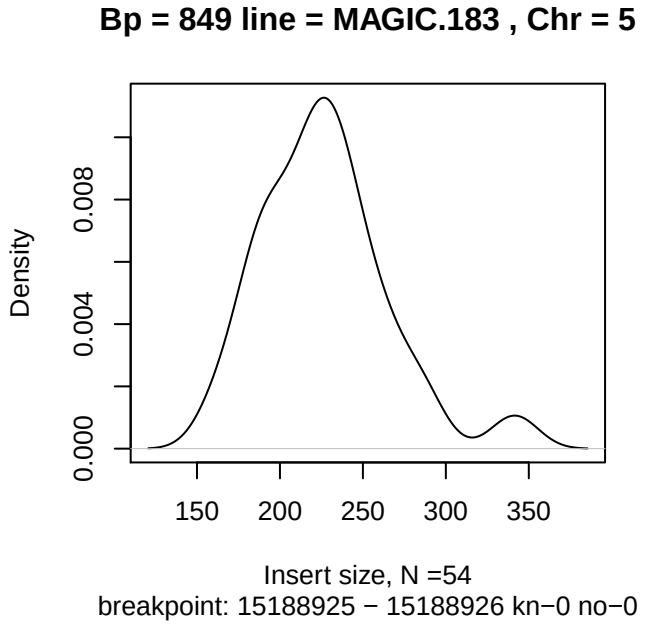

Bp = 844 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =45
breakpoint: 14836522 − 14836529 hi−0 kn−0

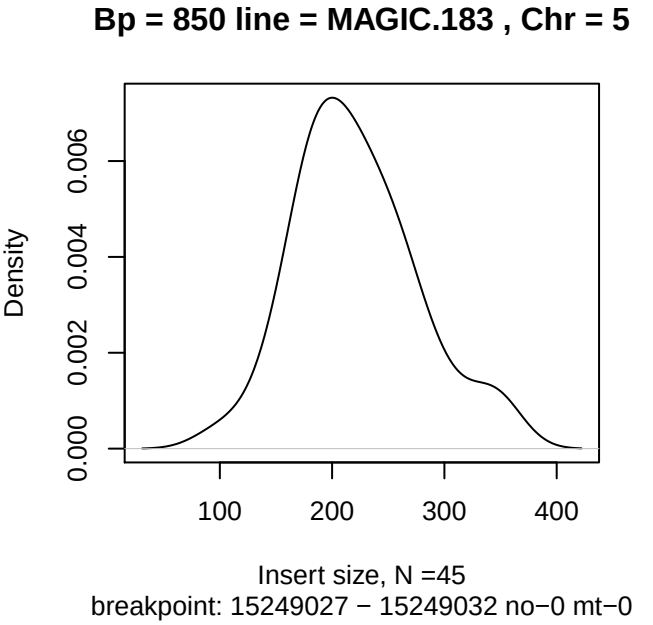

Bp = 845 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =58
breakpoint: 15009096 − 15009105 kn−0 po−0

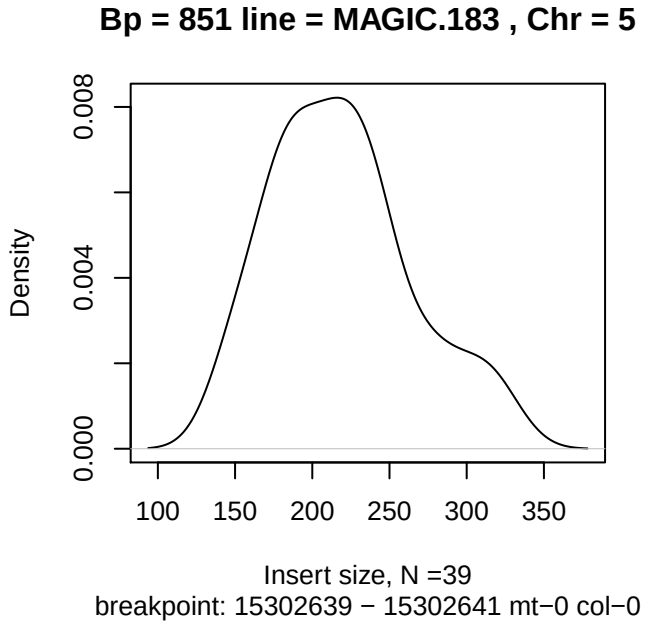

Bp = 846 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =36
breakpoint: 15037351 − 15037423 po−0 no−0

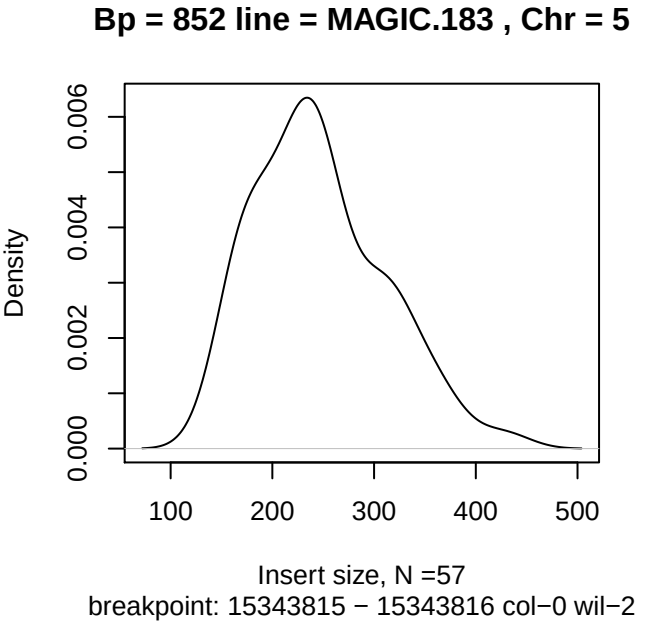

Bp = 847 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =43
breakpoint: 15048873 − 15048879 no−0 ler−0

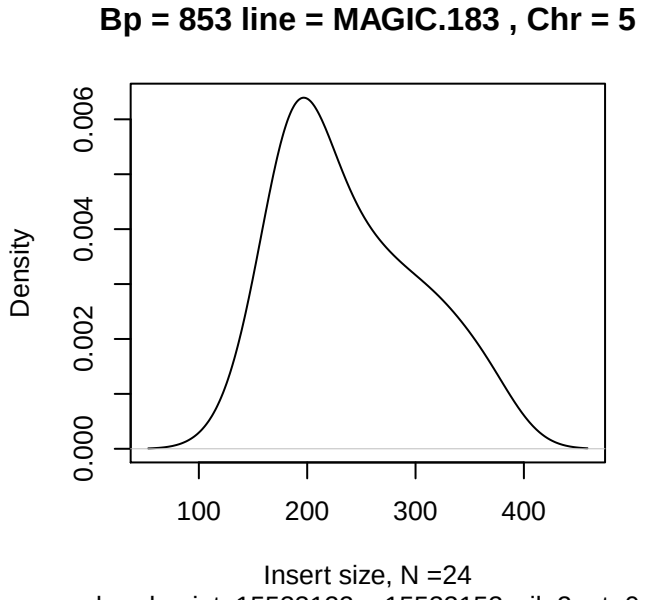

Bp = 848 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =32
breakpoint: 15073151 − 15073160 ler−0 kn−0

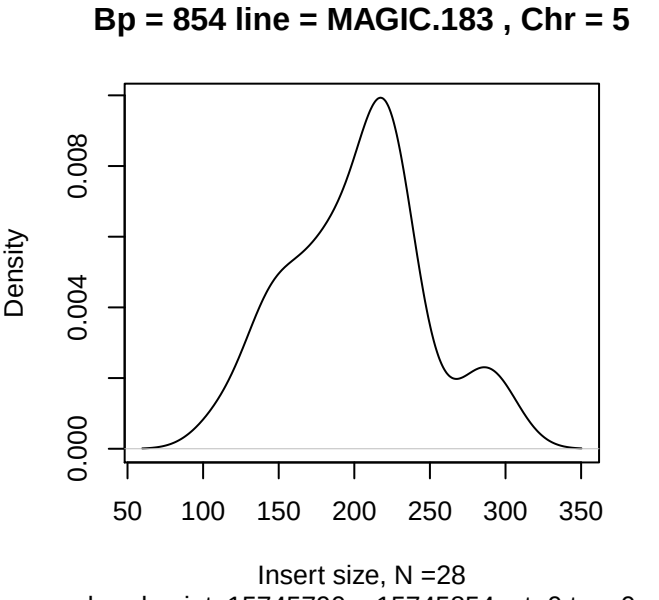

Bp = 849 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =54
breakpoint: 15188925 − 15188926 kn−0 no−0

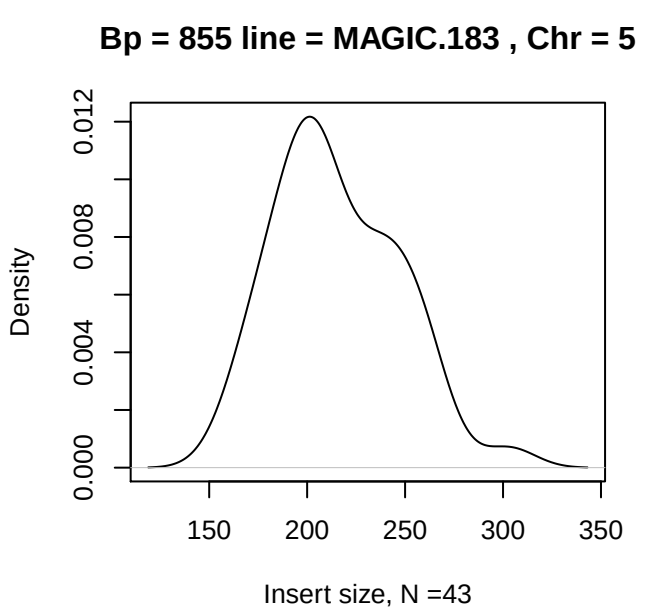

Bp = 850 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =45
breakpoint: 15249027 − 15249032 no−0 mt−0

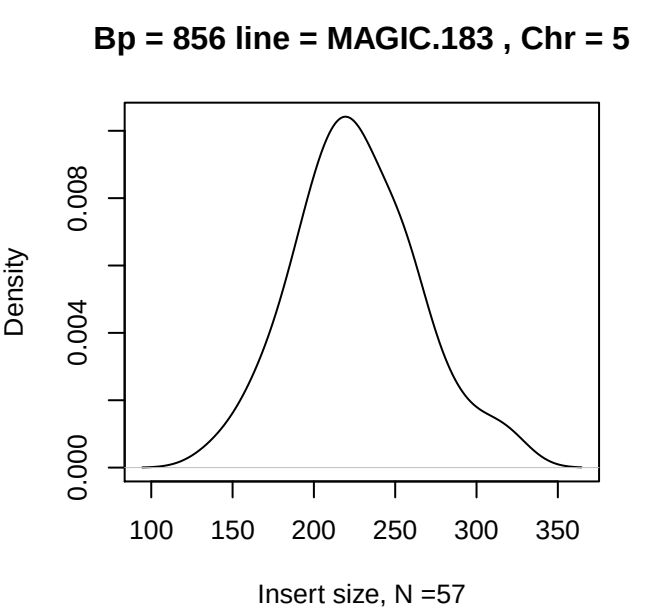

Bp = 851 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 15302639 − 15302641 mt−0 col−0

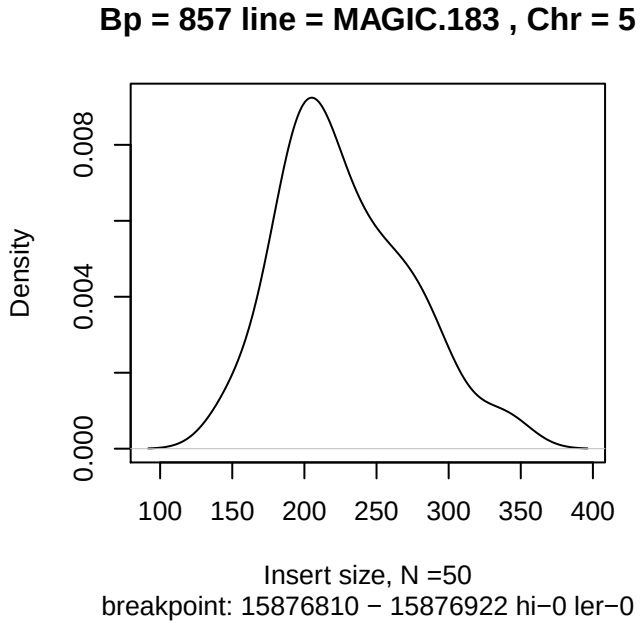

Bp = 852 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
500
Insert size, N =57
breakpoint: 15343815 − 15343816 col−0 wil−2

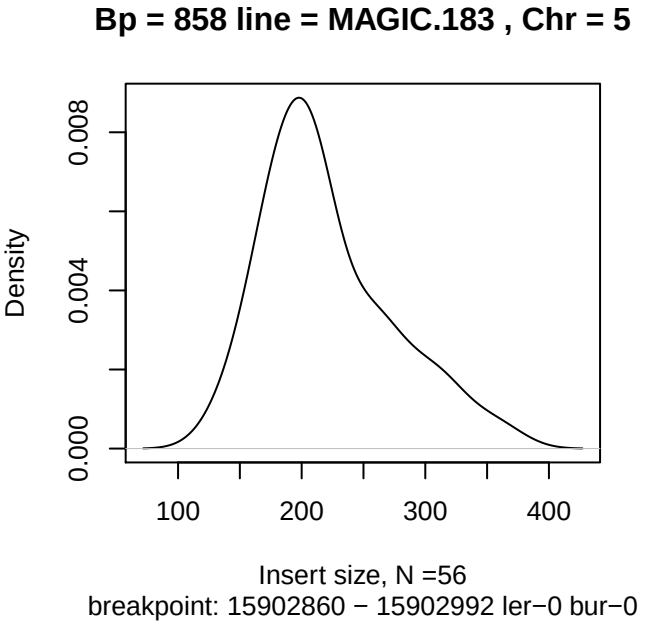

Bp = 853 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =24
breakpoint: 15533122 − 15533153 wil−2 mt−0

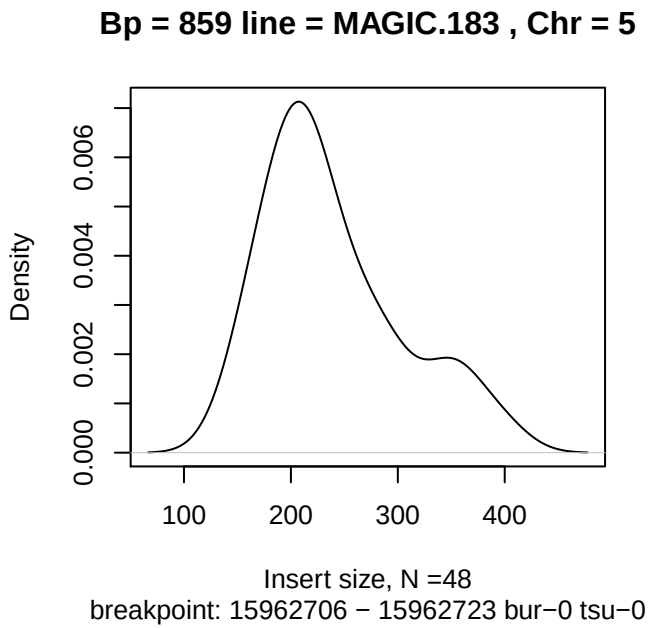

Bp = 854 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =28
breakpoint: 15745790 − 15745854 mt−0 tsu−0

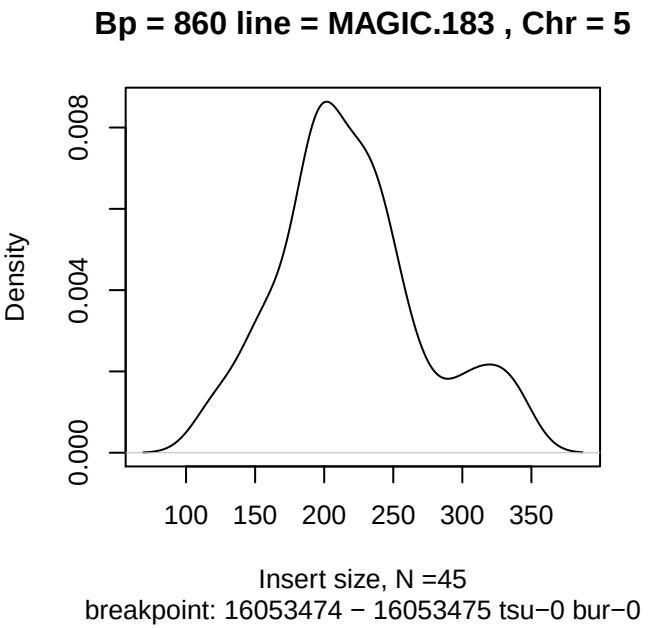

Bp = 855 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
150
200
250
300
350
Insert size, N =43
breakpoint: 15811427 − 15811438 tsu−0 sf−2

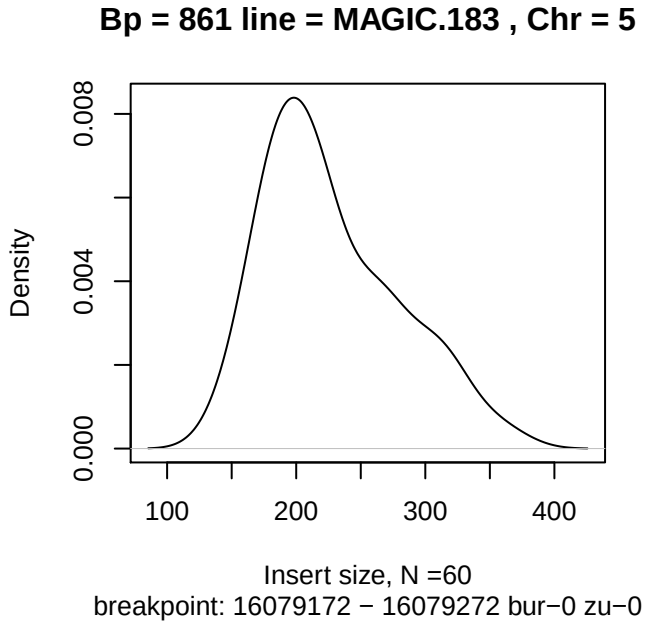

Bp = 856 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =57
breakpoint: 15825694 − 15825700 sf−2 hi−0

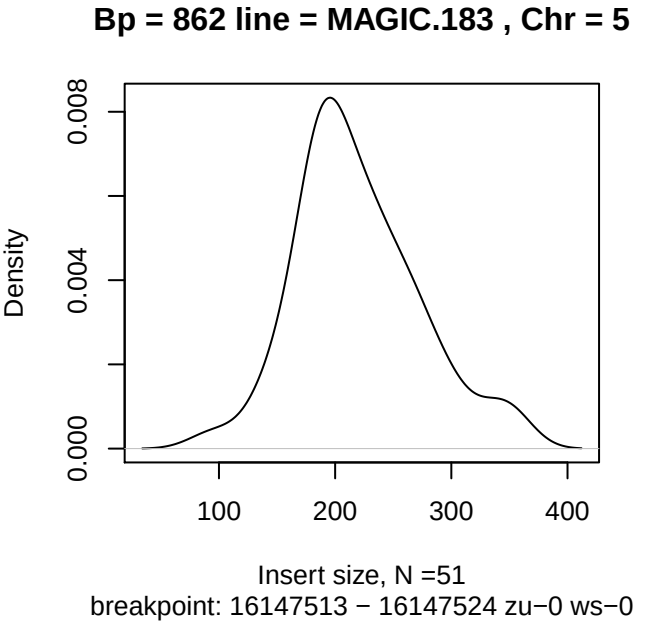

Bp = 857 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =50
breakpoint: 15876810 − 15876922 hi−0 ler−0

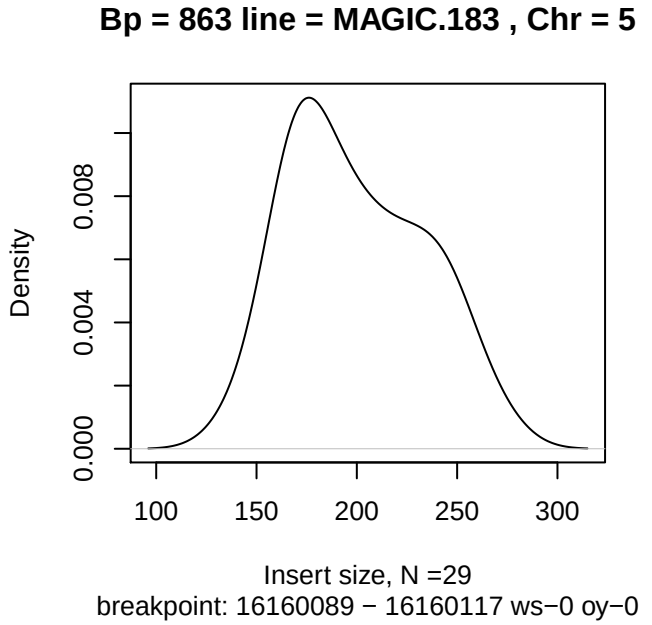

Bp = 858 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =56
breakpoint: 15902860 − 15902992 ler−0 bur−0

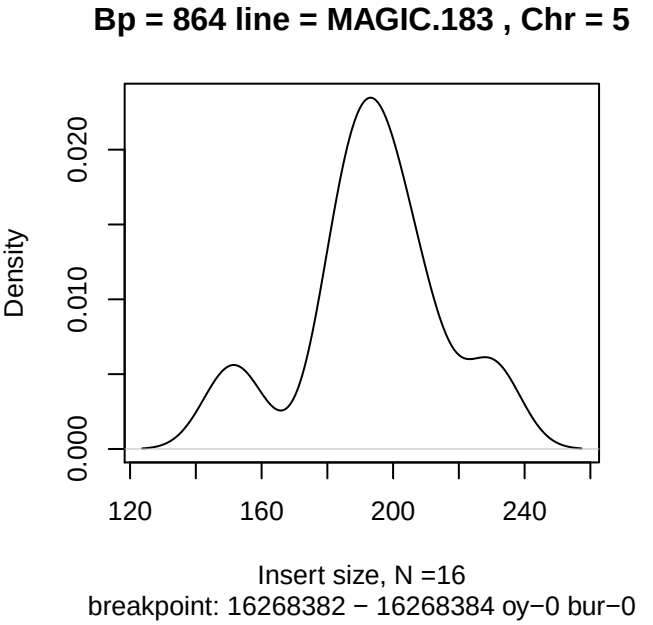

Bp = 859 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =48
breakpoint: 15962706 − 15962723 bur−0 tsu−0

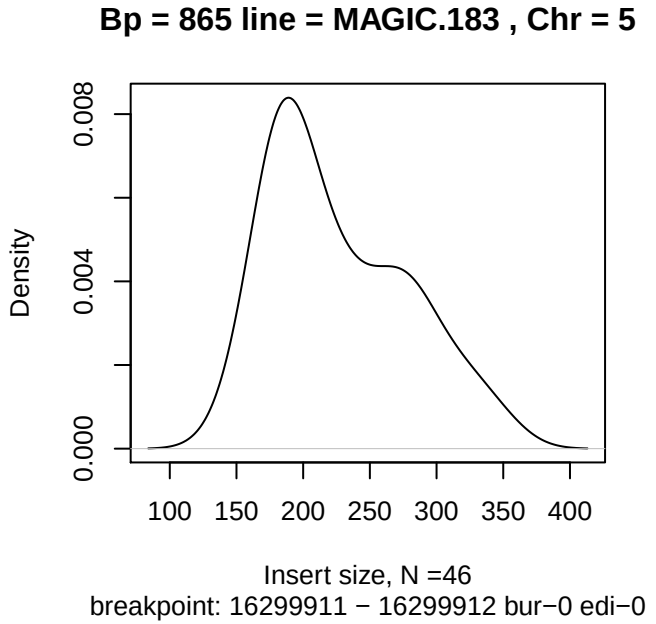

Bp = 860 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 16053474 − 16053475 tsu−0 bur−0

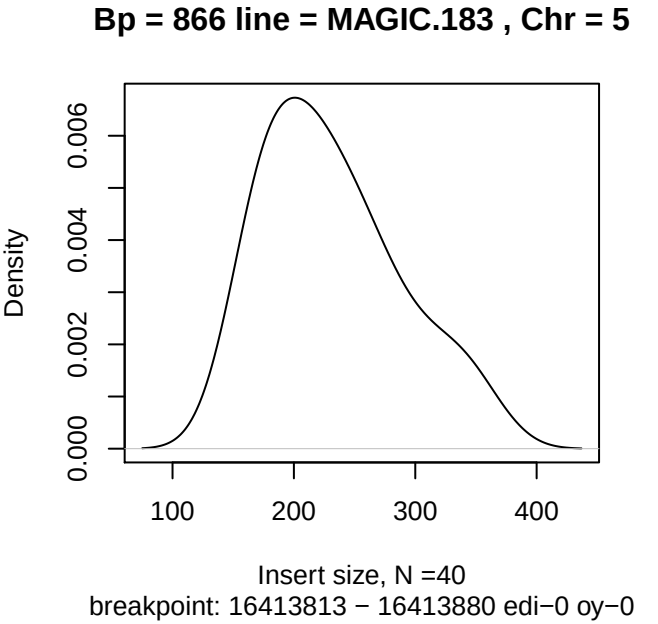

Bp = 861 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =60
breakpoint: 16079172 − 16079272 bur−0 zu−0

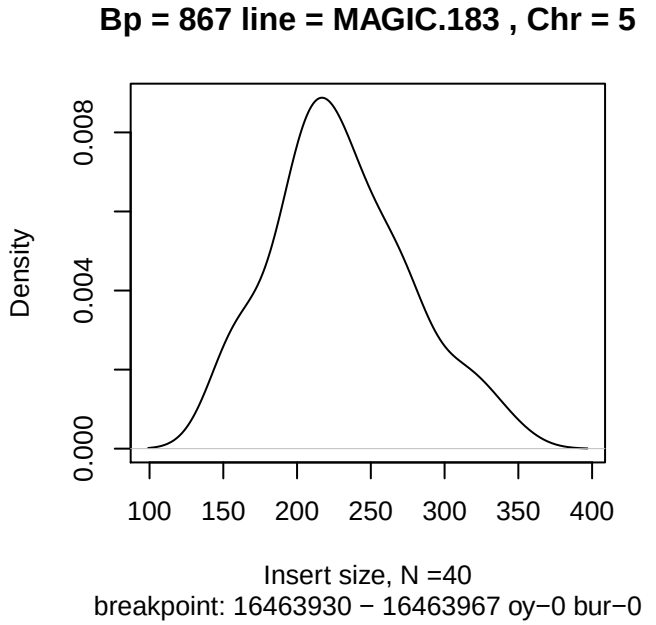

Bp = 862 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =51
breakpoint: 16147513 − 16147524 zu−0 ws−0

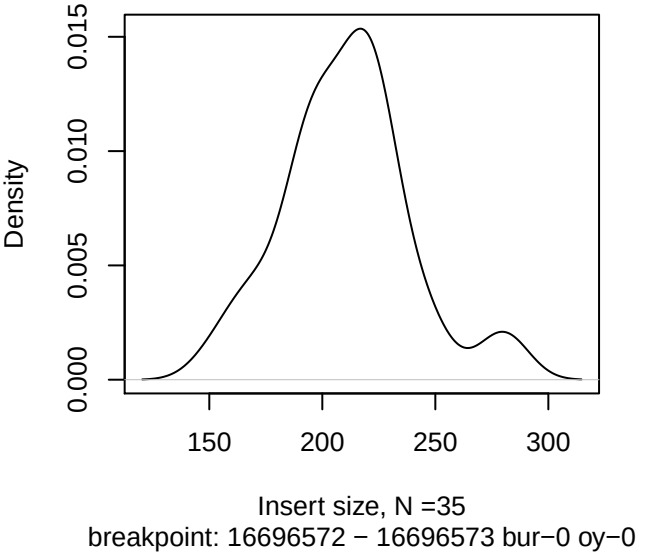

Bp = 863 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =29
breakpoint: 16160089 − 16160117 ws−0 oy−0

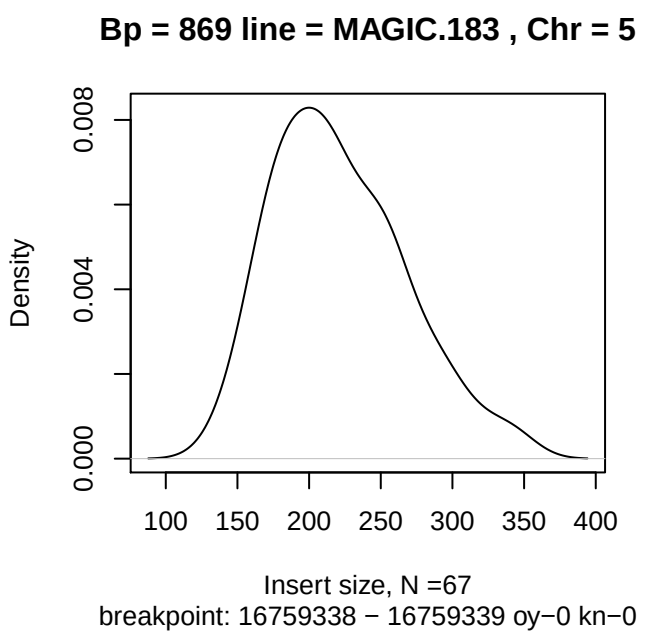

Bp = 864 line = MAGIC.183 , Chr = 5
Density
0.000
0.010
0.020
120
160
200
240
Insert size, N =16
breakpoint: 16268382 − 16268384 oy−0 bur−0

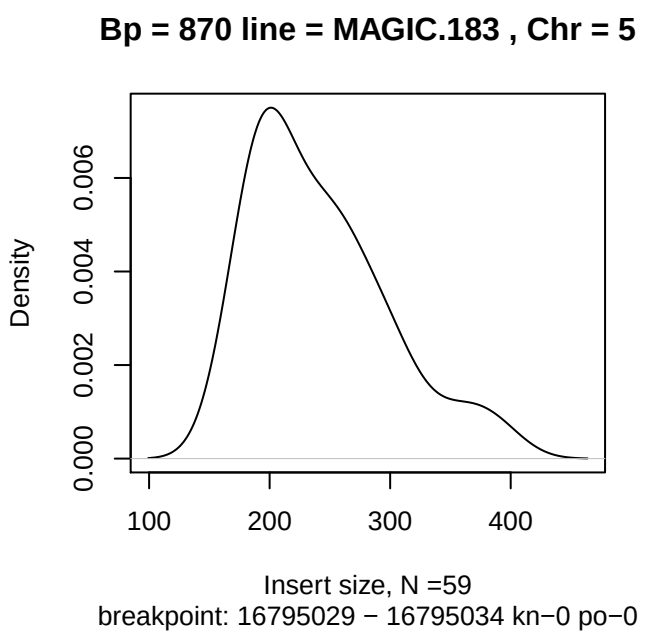

Bp = 865 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =46
breakpoint: 16299911 − 16299912 bur−0 edi−0

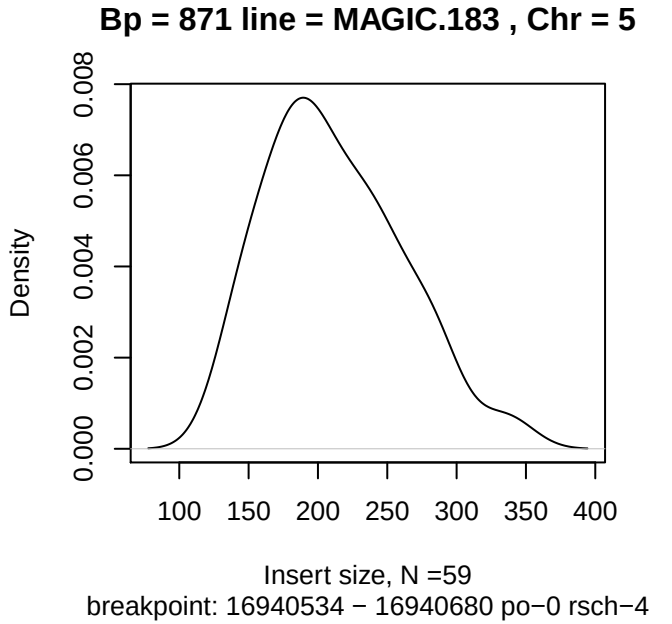

Bp = 866 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =40
breakpoint: 16413813 − 16413880 edi−0 oy−0

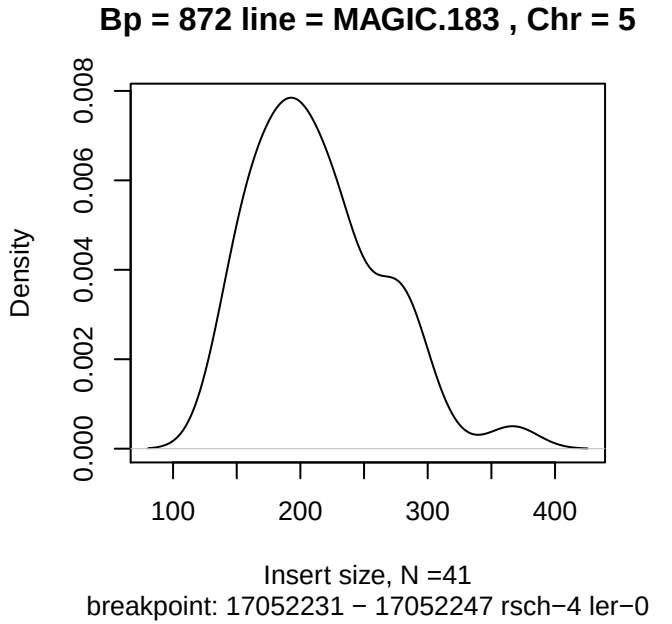

Bp = 867 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =40
breakpoint: 16463930 − 16463967 oy−0 bur−0

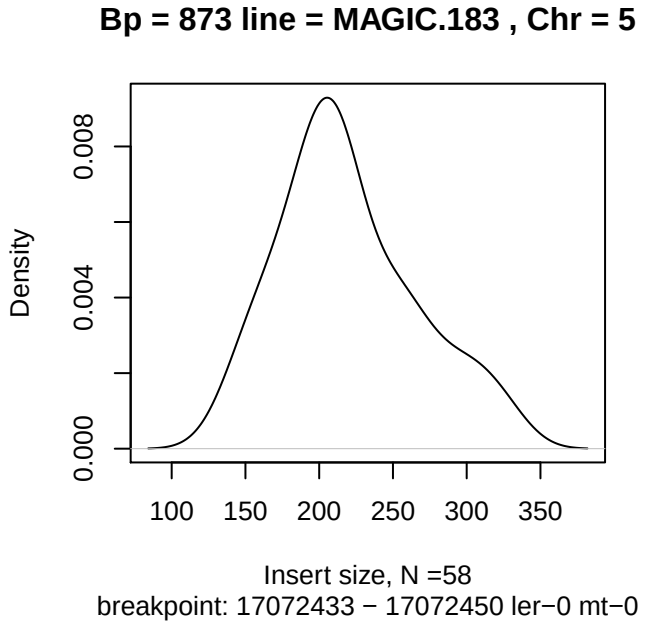

Bp = 868 line = MAGIC.183 , Chr = 5
Density
0.000
0.005
0.010
0.015
150
200
250
300
Insert size, N =35
breakpoint: 16696572 − 16696573 bur−0 oy−0

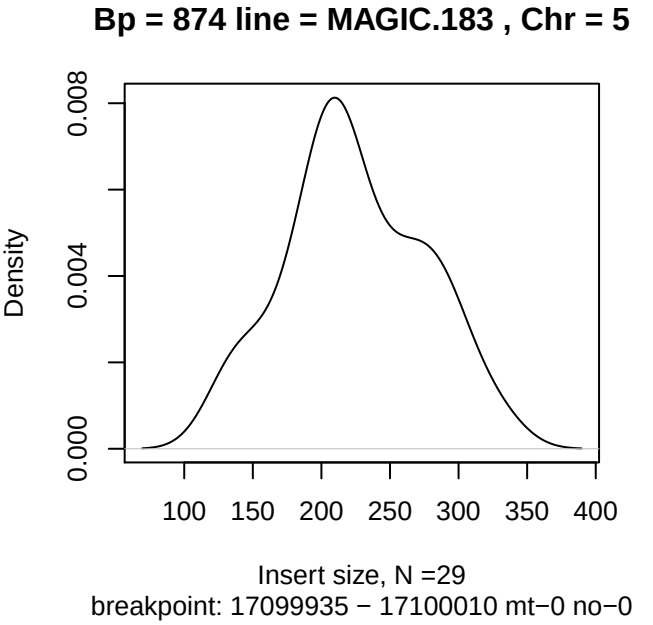

Bp = 869 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =67
breakpoint: 16759338 − 16759339 oy−0 kn−0

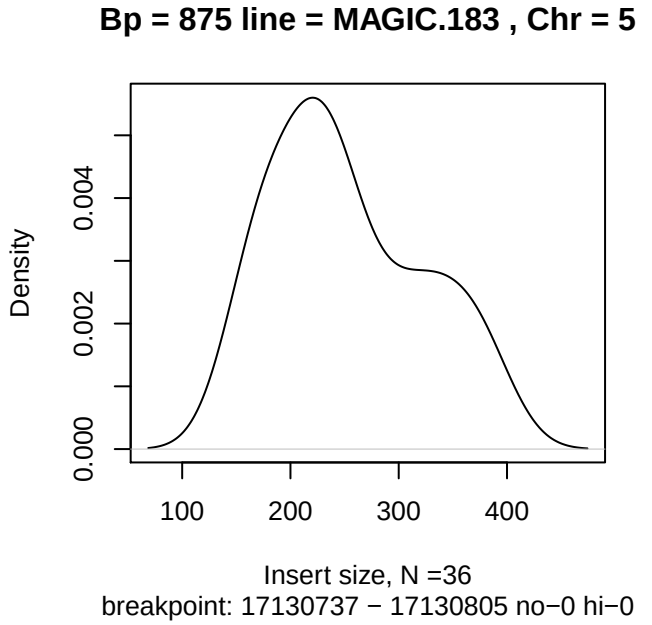

Bp = 870 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =59
breakpoint: 16795029 − 16795034 kn−0 po−0

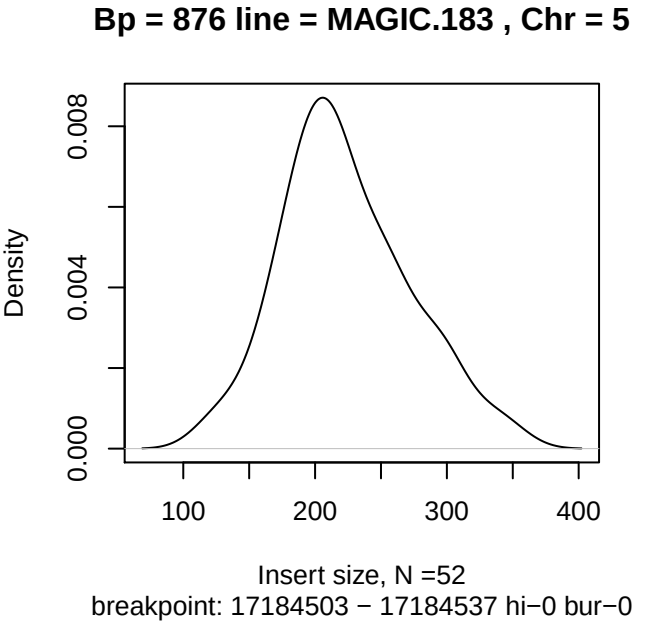

Bp = 871 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =59
breakpoint: 16940534 − 16940680 po−0 rsch−4

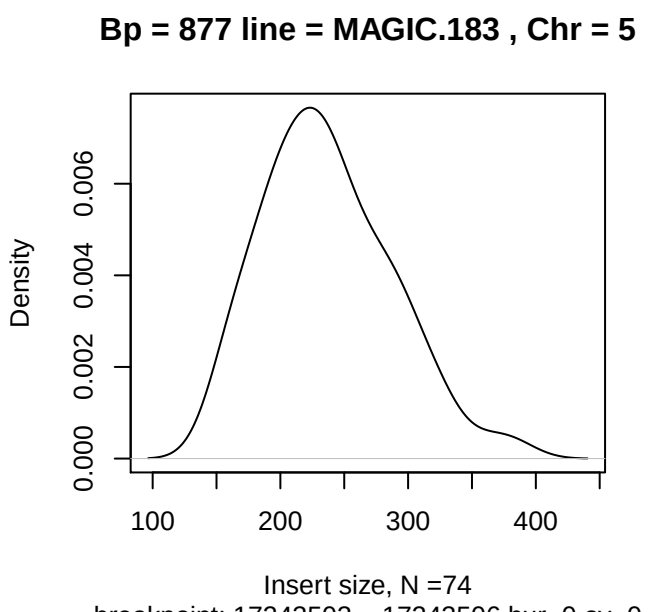

Bp = 872 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =41
breakpoint: 17052231 − 17052247 rsch−4 ler−0

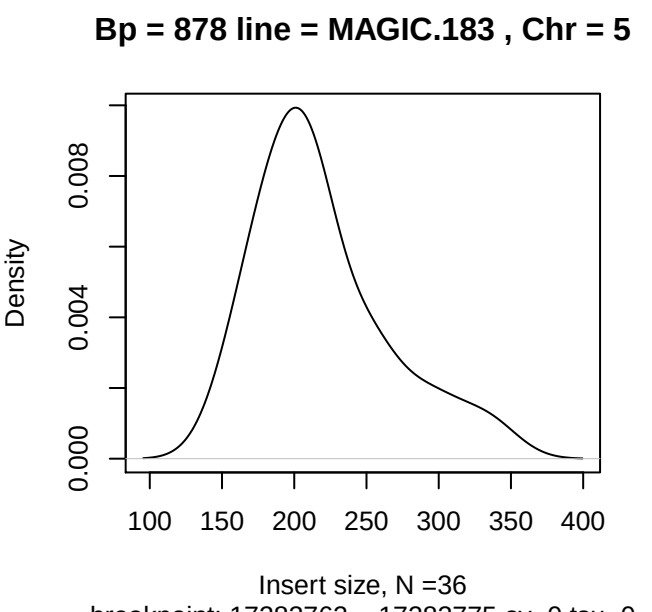

Bp = 873 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =58
breakpoint: 17072433 − 17072450 ler−0 mt−0

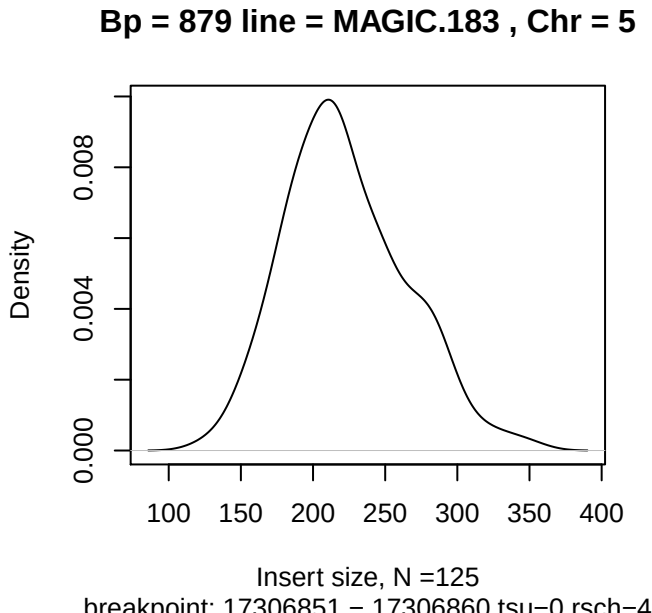

Bp = 874 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =29
breakpoint: 17099935 − 17100010 mt−0 no−0

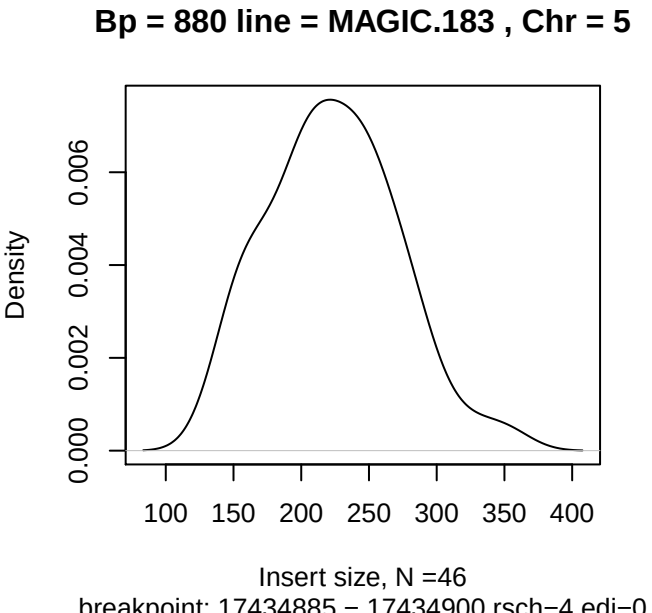

Bp = 875 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
100
200
300
400
Insert size, N =36
breakpoint: 17130737 − 17130805 no−0 hi−0

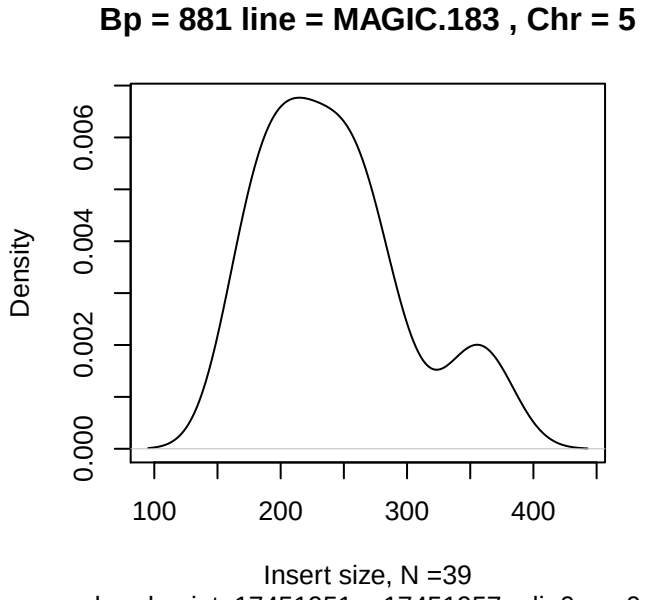

Bp = 876 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =52
breakpoint: 17184503 − 17184537 hi−0 bur−0

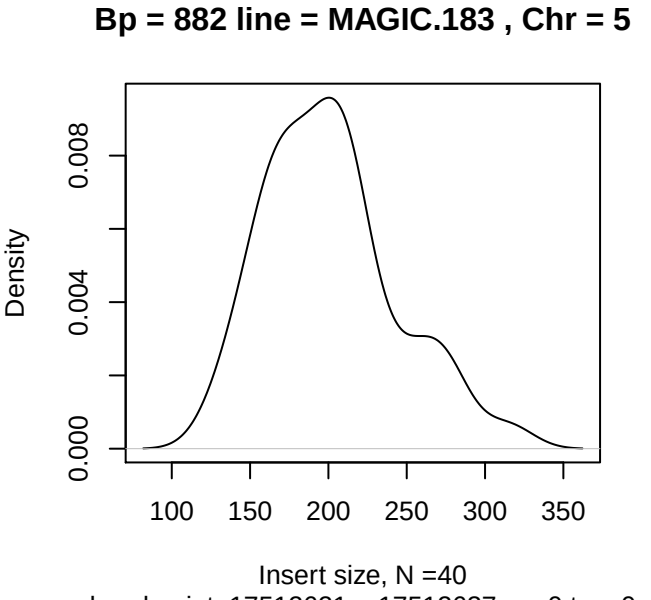

Bp = 877 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =74
breakpoint: 17243503 − 17243506 bur−0 oy−0

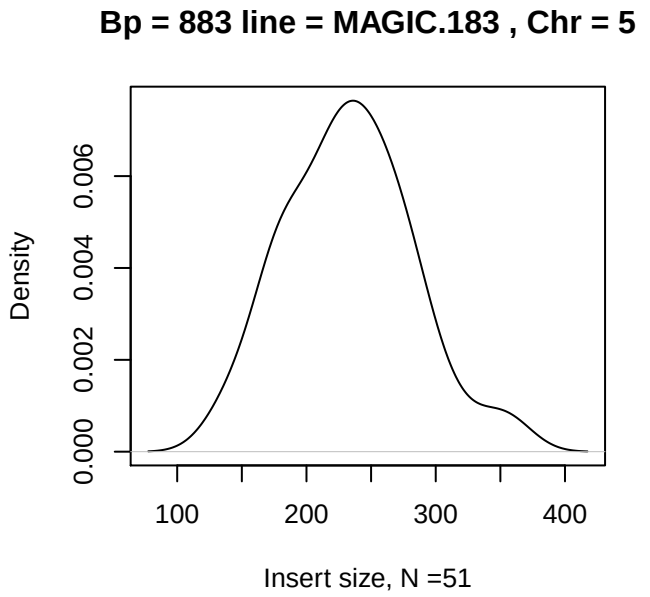

Bp = 878 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =36
breakpoint: 17283762 − 17283775 oy−0 tsu−0

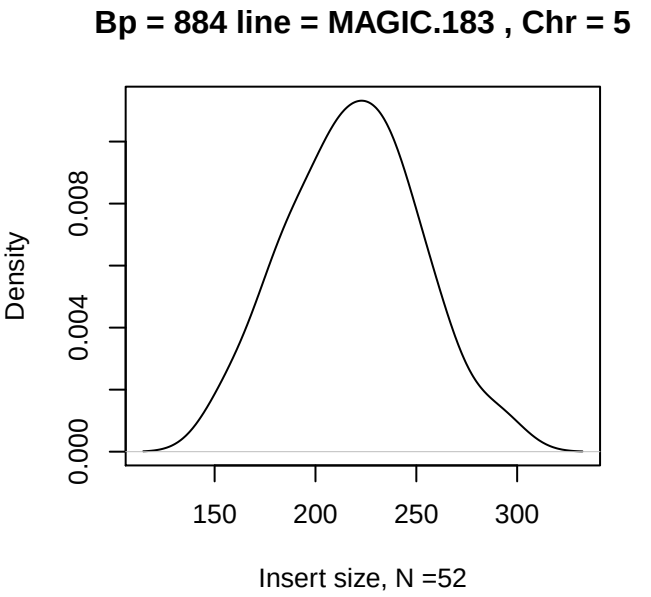

Bp = 879 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =125
breakpoint: 17306851 − 17306860 tsu−0 rsch−4

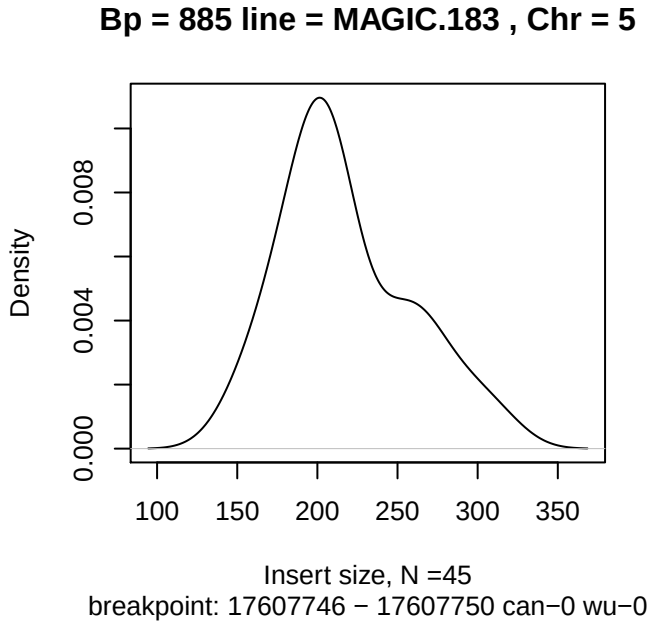

Bp = 880 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =46
breakpoint: 17434885 − 17434900 rsch−4 edi−0

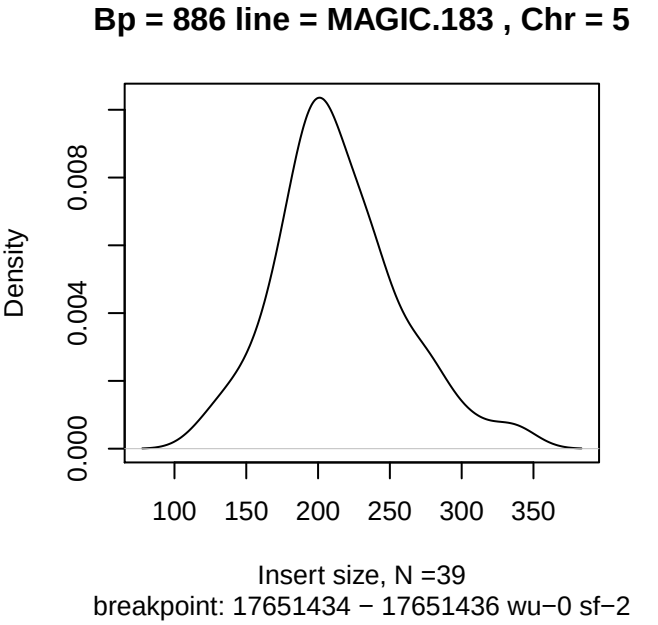

Bp = 881 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =39
breakpoint: 17451951 − 17451957 edi−0 zu−0

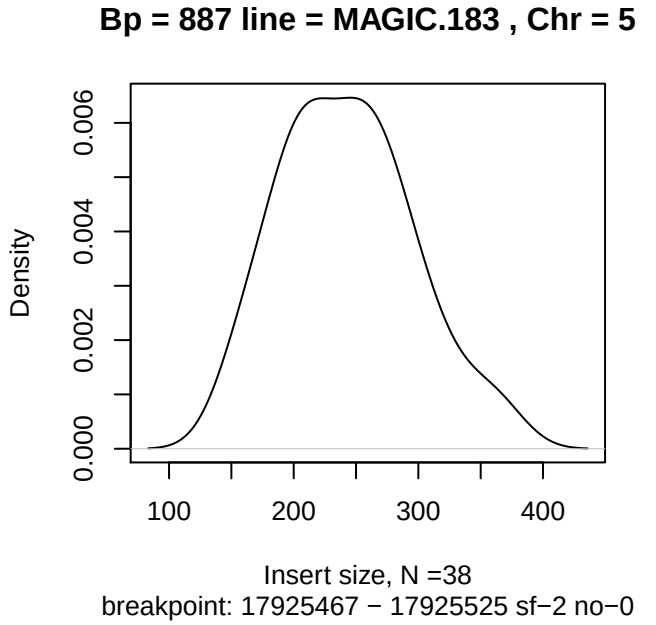

Bp = 882 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =40
breakpoint: 17512621 − 17512637 zu−0 tsu−0

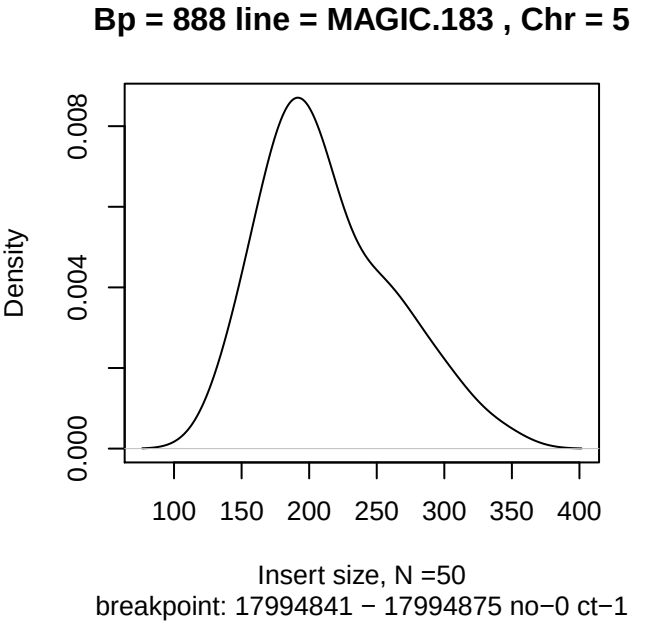

Bp = 883 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =51
breakpoint: 17530450 − 17530471 tsu−0 kn−0


Bp = 884 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
150
200
250
300
Insert size, N =52
breakpoint: 17583822 − 17583834 kn−0 can−0


Bp = 885 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =45
breakpoint: 17607746 − 17607750 can−0 wu−0


Bp = 886 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 17651434 − 17651436 wu−0 sf−2


Bp = 887 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =38
breakpoint: 17925467 − 17925525 sf−2 no−0


Bp = 888 line = MAGIC.183 , Chr = 5
Density
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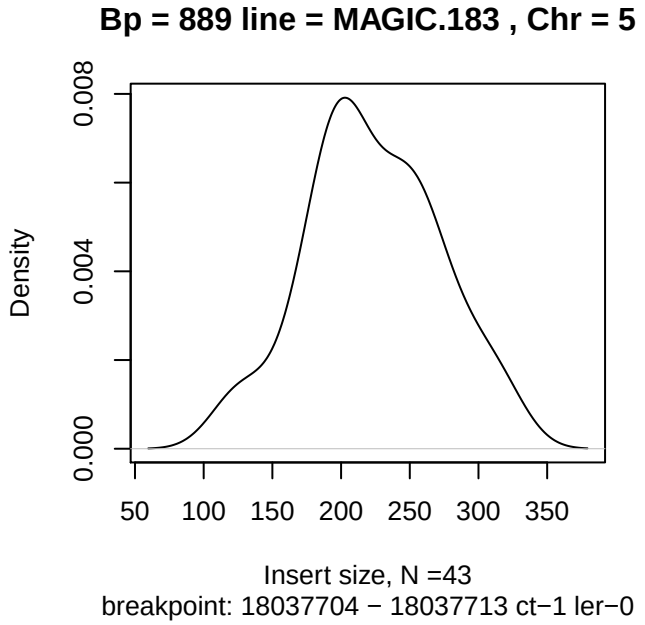
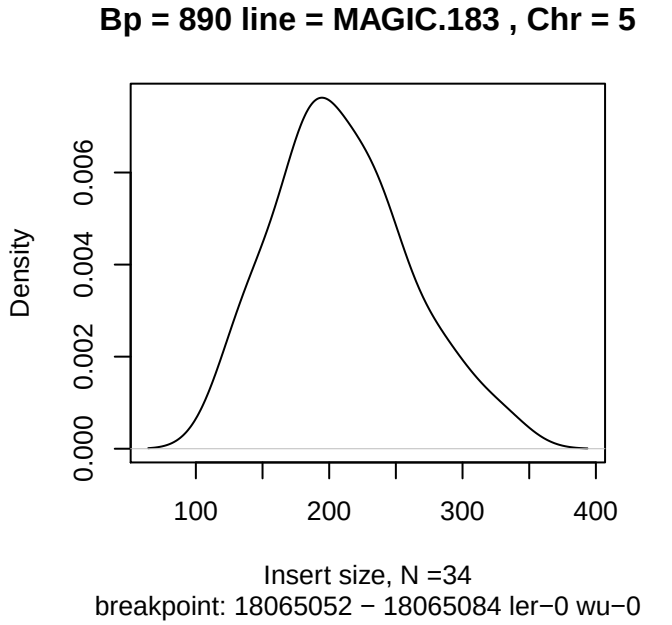
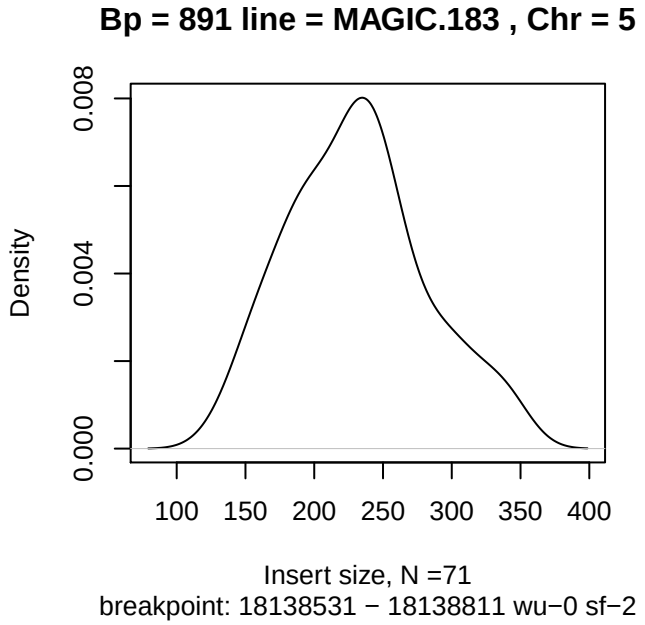
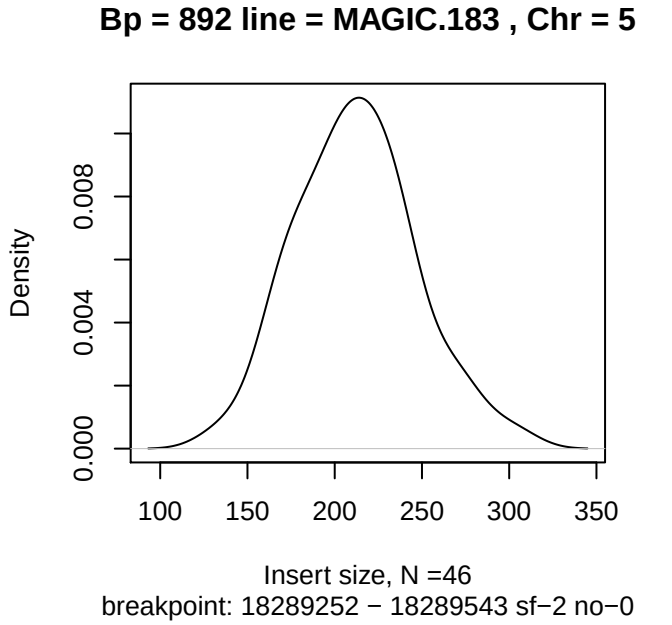
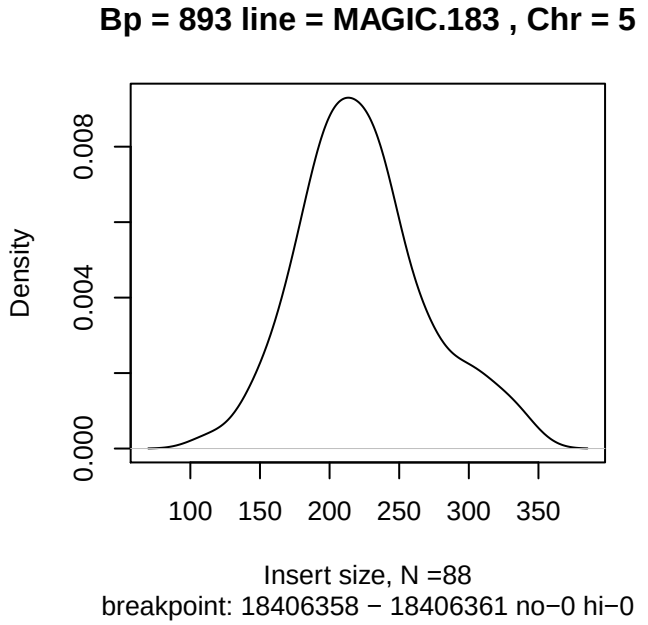
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =50
breakpoint: 17994841 − 17994875 no−0 ct−1

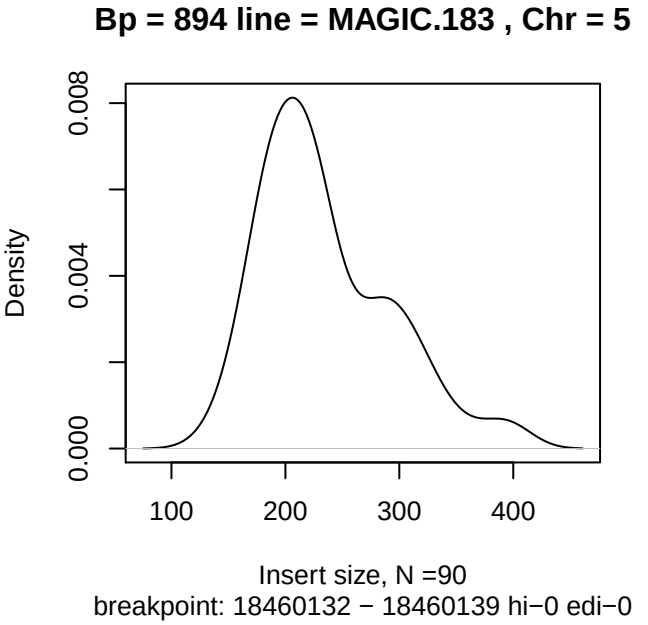

Bp = 889 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =43
breakpoint: 18037704 − 18037713 ct−1 ler−0

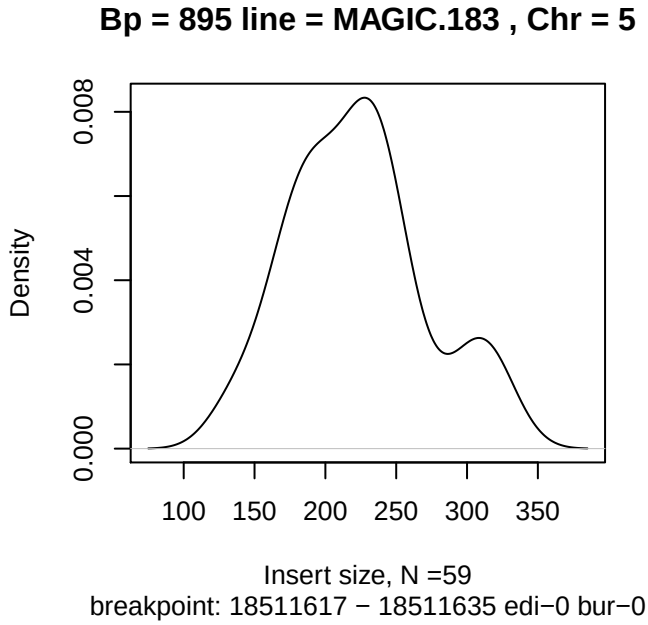

Bp = 890 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =34
breakpoint: 18065052 − 18065084 ler−0 wu−0

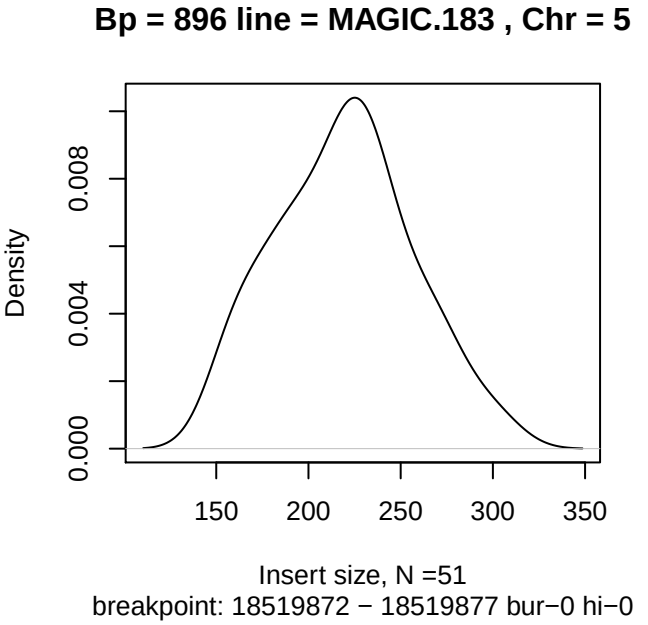

Bp = 891 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =71
breakpoint: 18138531 − 18138811 wu−0 sf−2

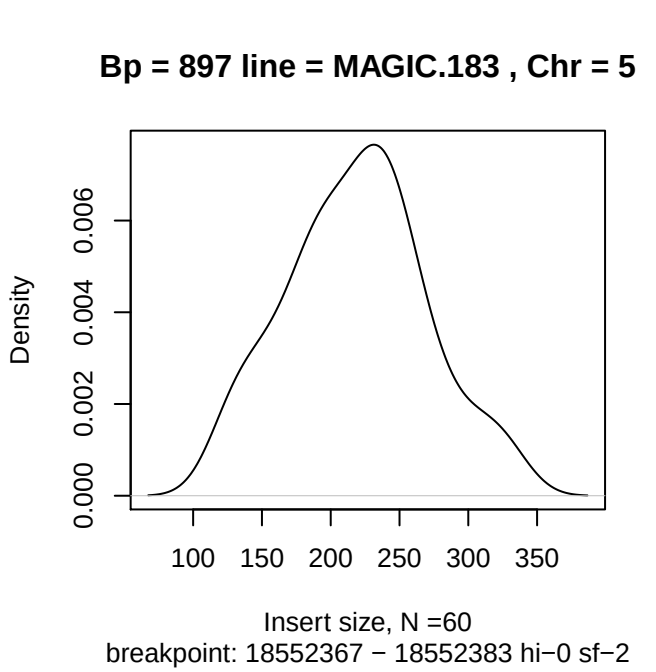

Bp = 892 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =46
breakpoint: 18289252 − 18289543 sf−2 no−0

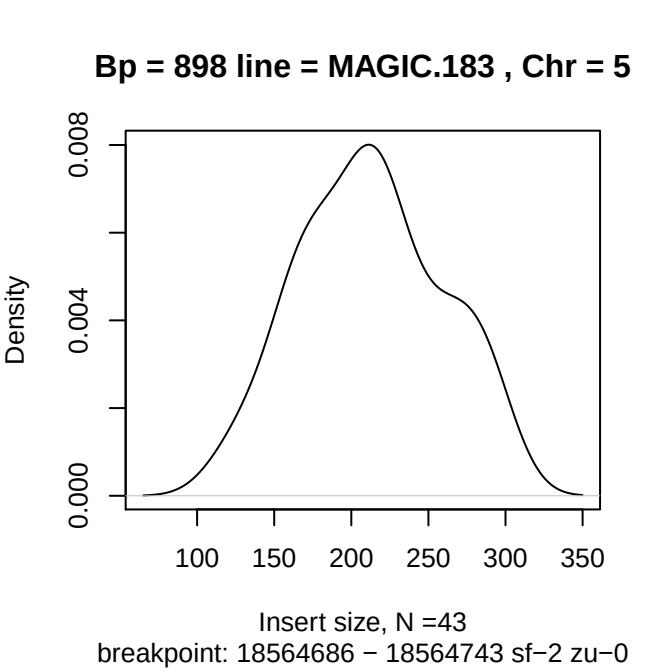

Bp = 893 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =88
breakpoint: 18406358 − 18406361 no−0 hi−0

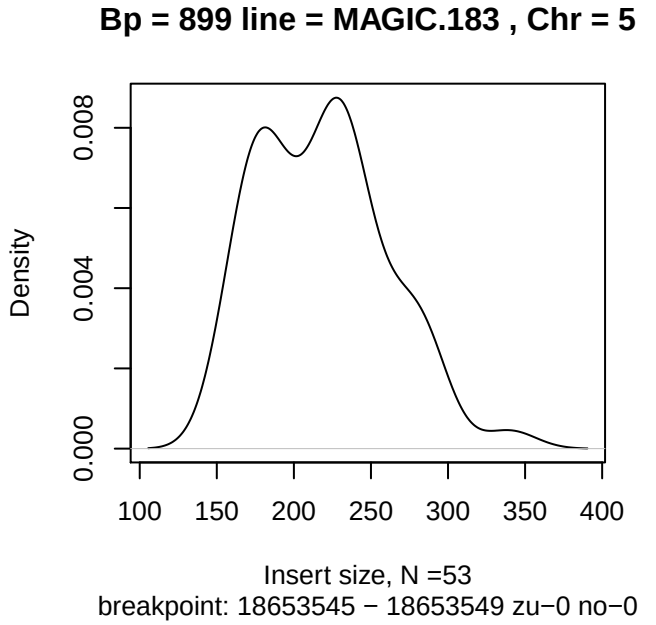

Bp = 894 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =90
breakpoint: 18460132 − 18460139 hi−0 edi−0

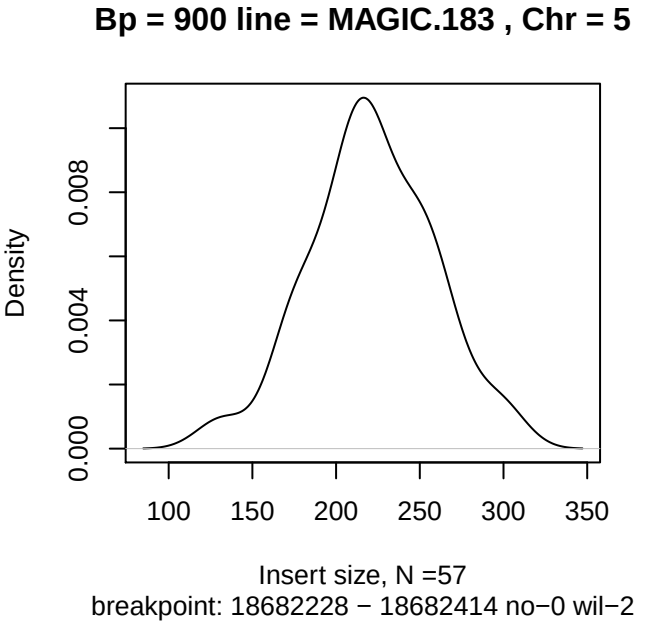

Bp = 895 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =59
breakpoint: 18511617 − 18511635 edi−0 bur−0

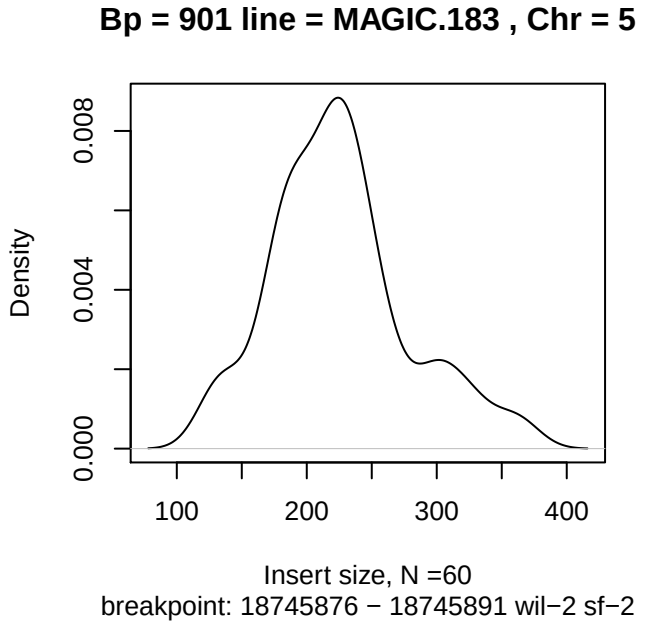

Bp = 896 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =51
breakpoint: 18519872 − 18519877 bur−0 hi−0

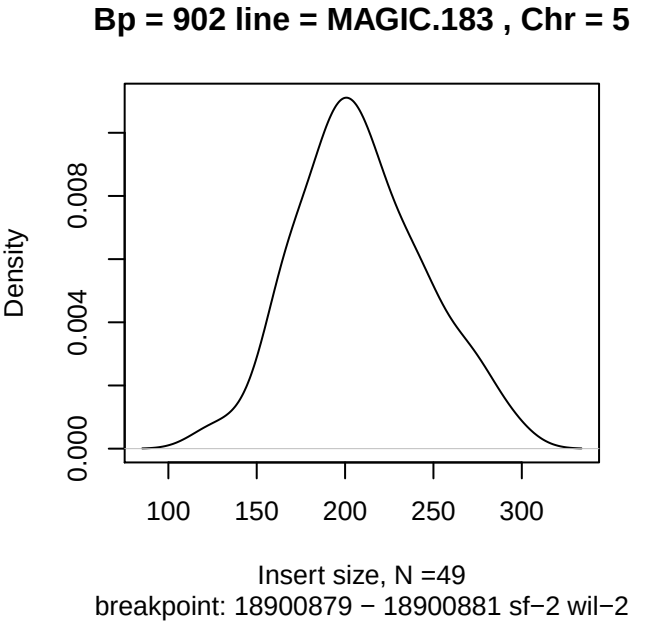

Bp = 897 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
Insert size, N =60
breakpoint: 18552367 − 18552383 hi−0 sf−2

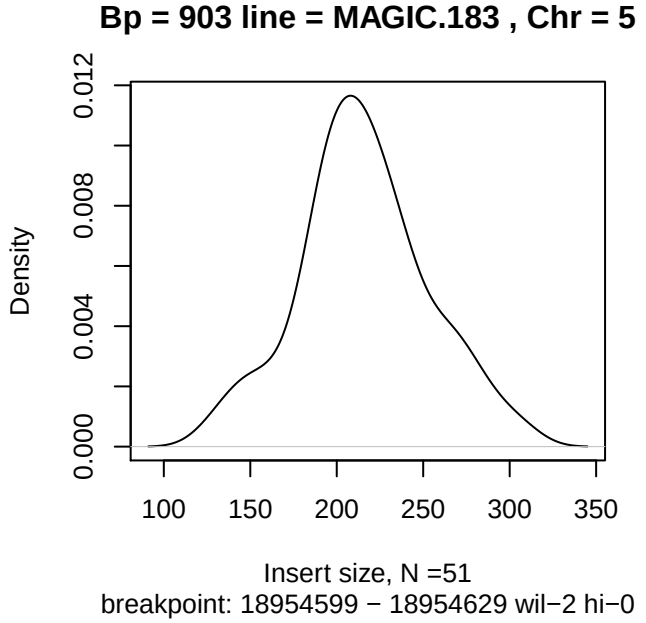

Bp = 898 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =43
breakpoint: 18564686 − 18564743 sf−2 zu−0

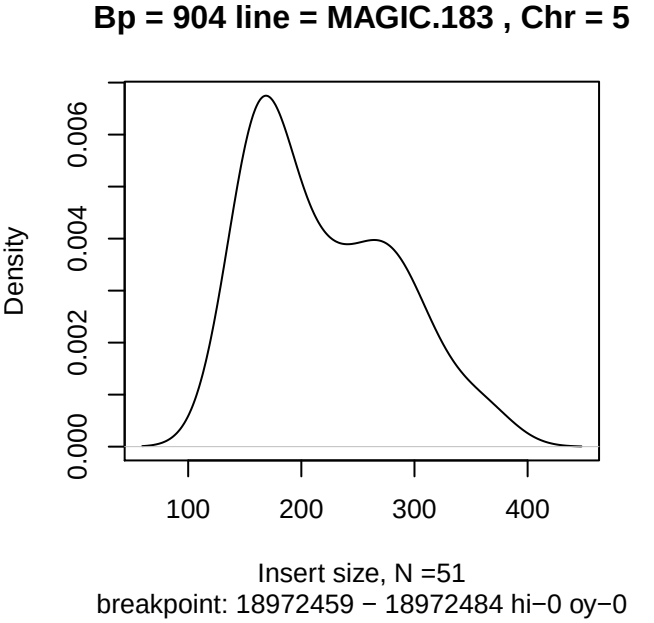

Bp = 899 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =53
breakpoint: 18653545 − 18653549 zu−0 no−0

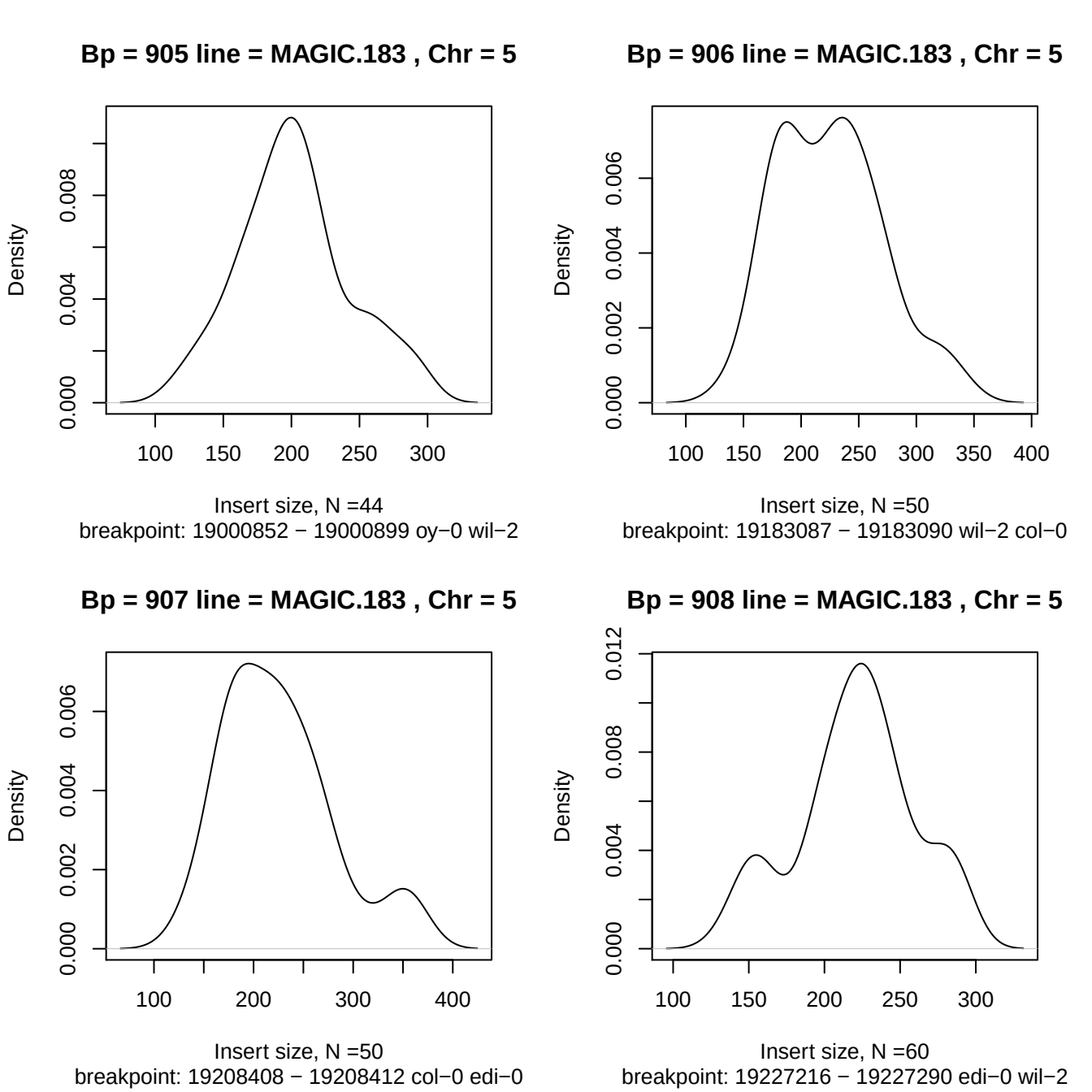

Bp = 900 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =57
breakpoint: 18682228 − 18682414 no−0 wil−2

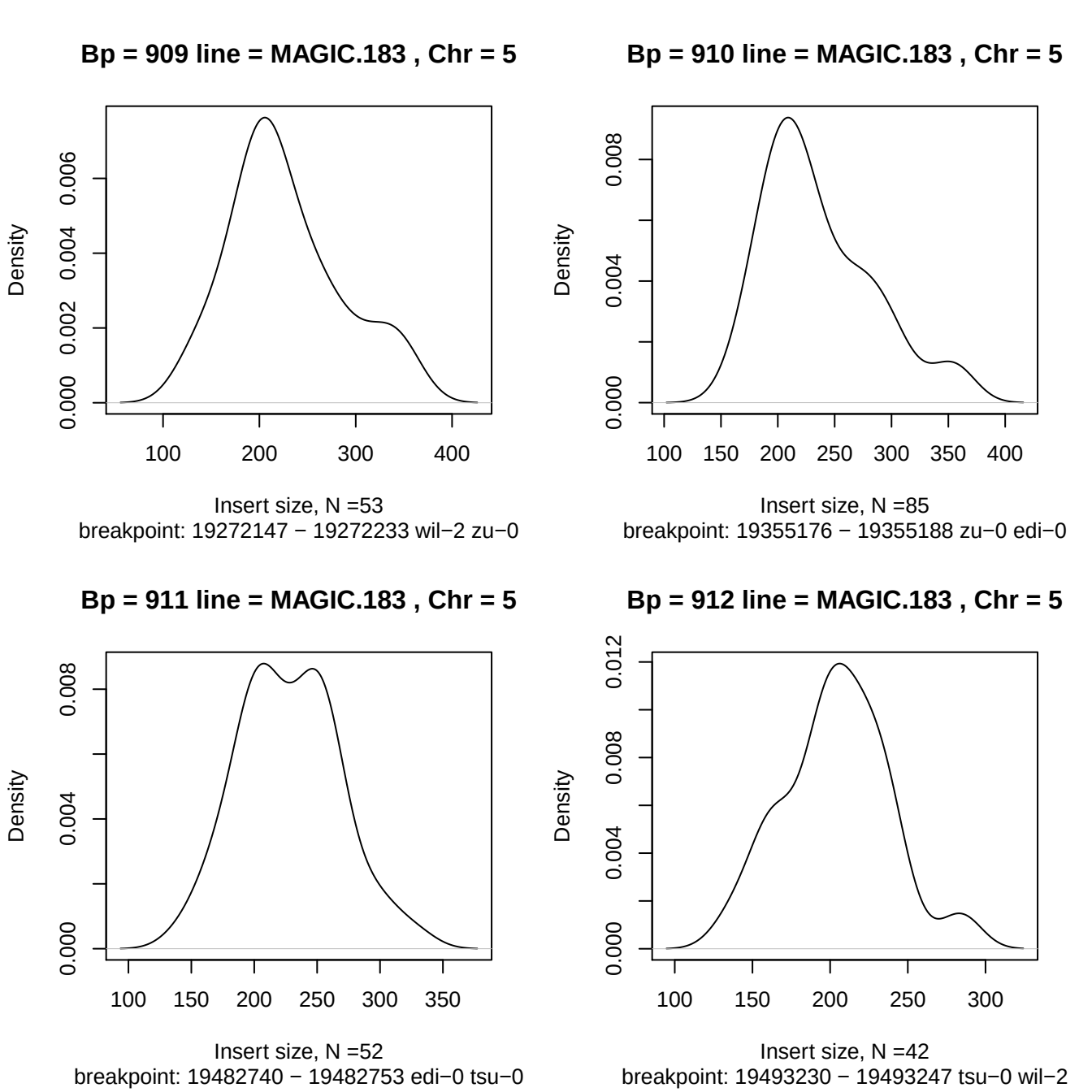

Bp = 901 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =60
breakpoint: 18745876 − 18745891 wil−2 sf−2

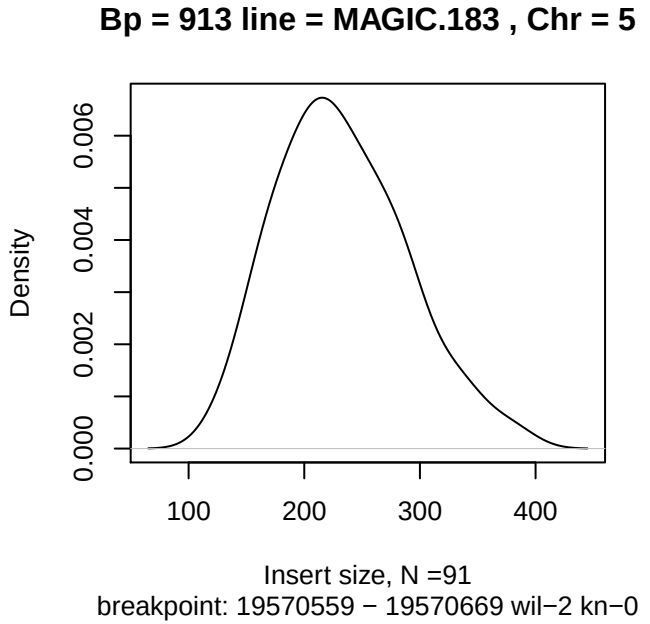

Bp = 902 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =49
breakpoint: 18900879 − 18900881 sf−2 wil−2

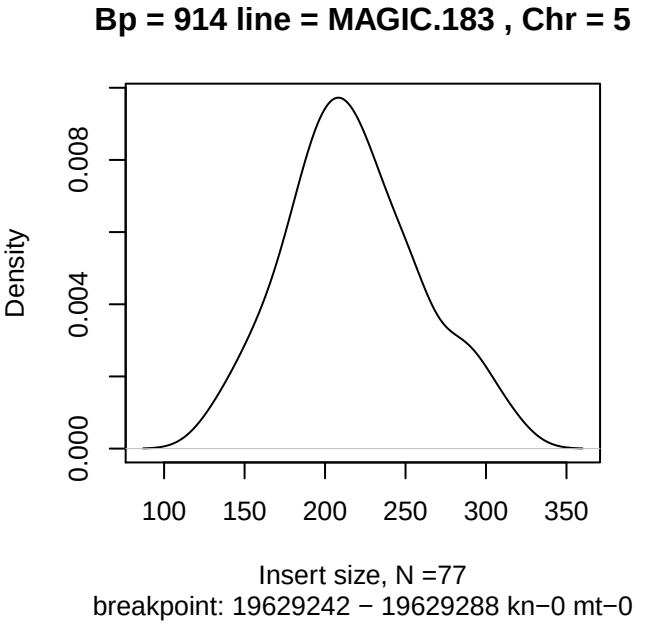

Bp = 903 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =51
breakpoint: 18954599 − 18954629 wil−2 hi−0

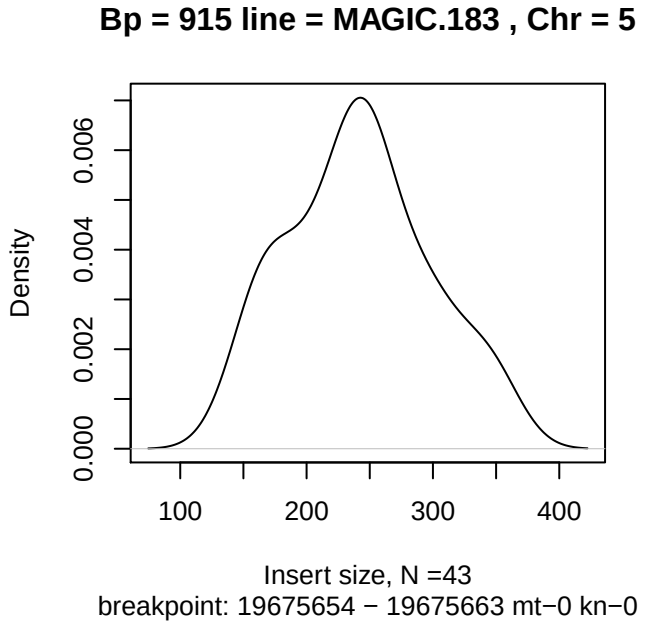

Bp = 904 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =51
breakpoint: 18972459 − 18972484 hi−0 oy−0

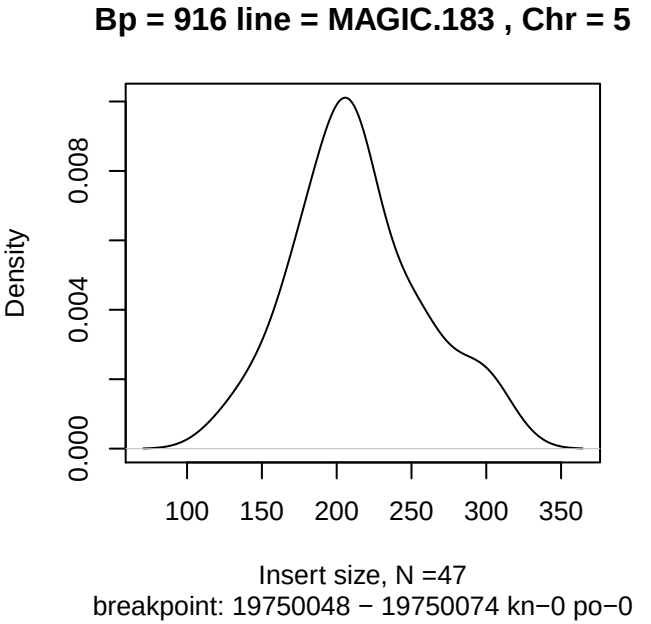

Bp = 905 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =44
breakpoint: 19000852 − 19000899 oy−0 wil−2
Bp = 906 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
150
200
250
300
350
400
Insert size, N =50
breakpoint: 19183087 − 19183090 wil−2 col−0
Bp = 907 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =50
breakpoint: 19208408 − 19208412 col−0 edi−0
Bp = 908 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =60
breakpoint: 19227216 − 19227290 edi−0 wil−2

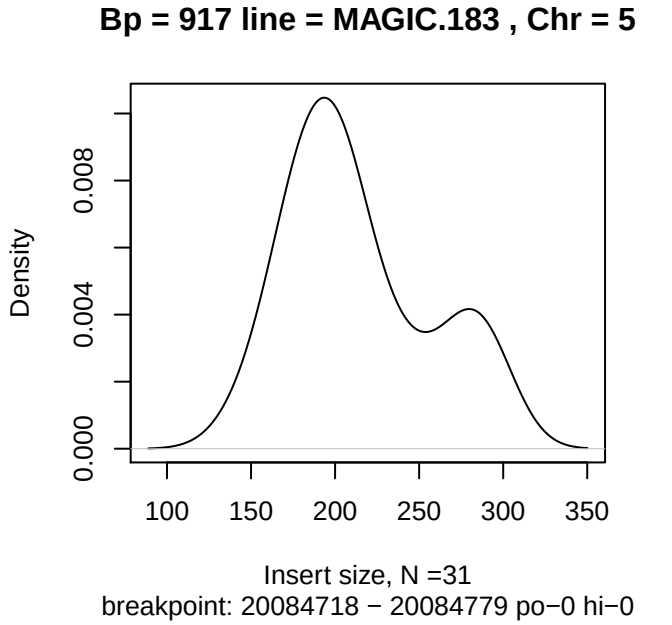

Bp = 909 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =53
breakpoint: 19272147 − 19272233 wil−2 zu−0
Bp = 910 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =85
breakpoint: 19355176 − 19355188 zu−0 edi−0
Bp = 911 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =52
breakpoint: 19482740 − 19482753 edi−0 tsu−0
Bp = 912 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =42
breakpoint: 19493230 − 19493247 tsu−0 wil−2

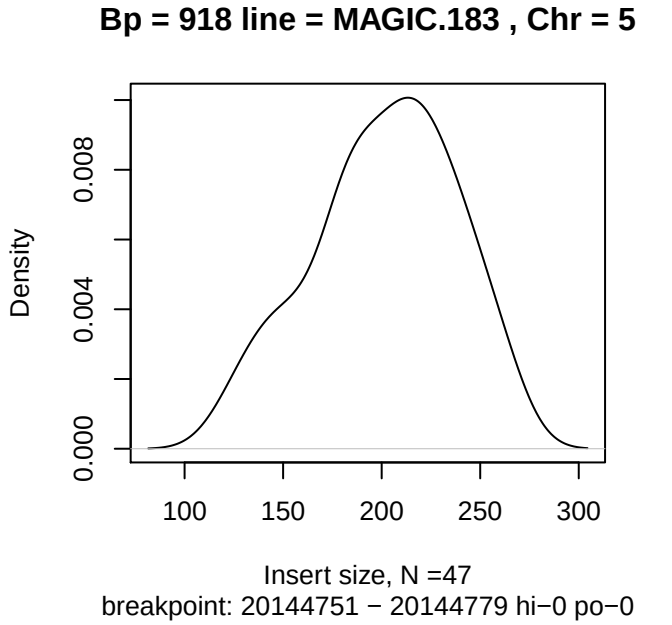

Bp = 913 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =91
breakpoint: 19570559 − 19570669 wil−2 kn−0

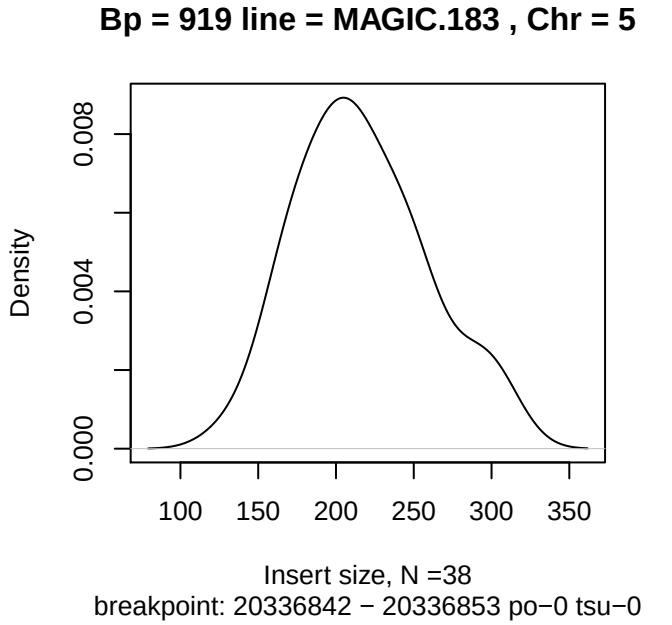

Bp = 914 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =77
breakpoint: 19629242 − 19629288 kn−0 mt−0

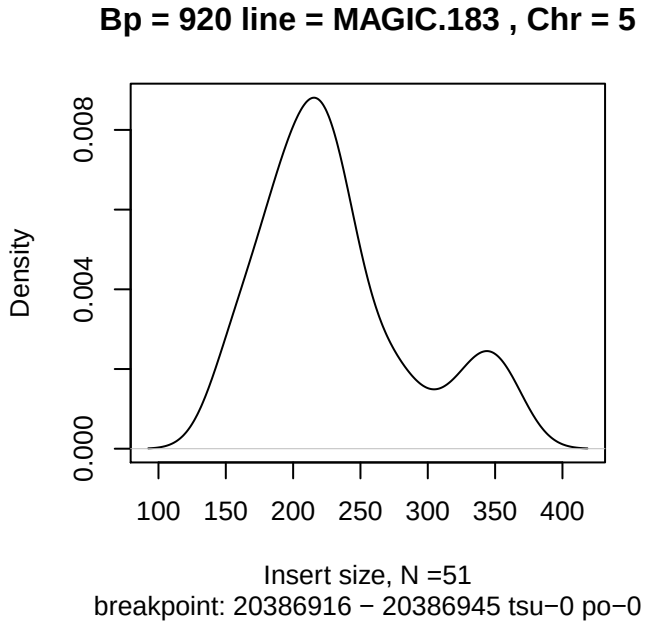

Bp = 915 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =43
breakpoint: 19675654 − 19675663 mt−0 kn−0

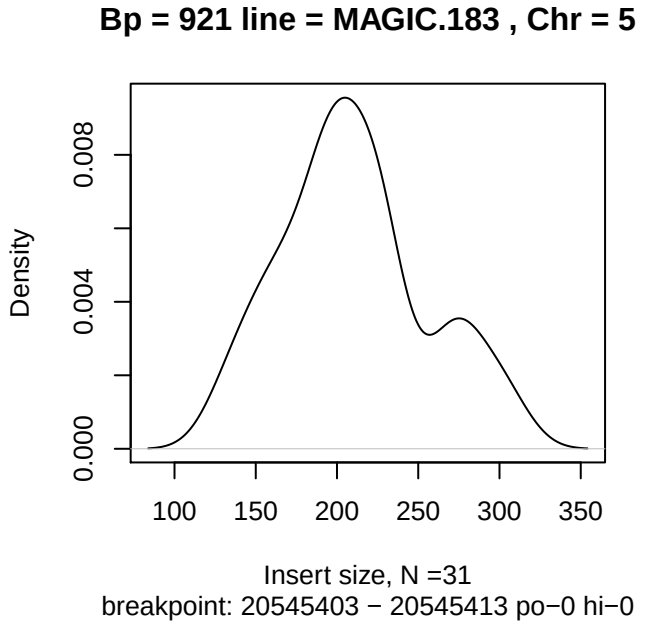

Bp = 916 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =47
breakpoint: 19750048 − 19750074 kn−0 po−0

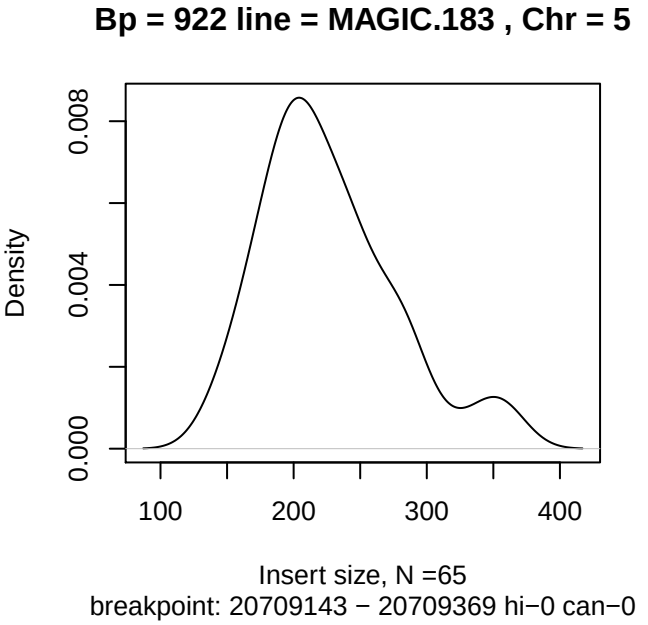

Bp = 917 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =31
breakpoint: 20084718 − 20084779 po−0 hi−0

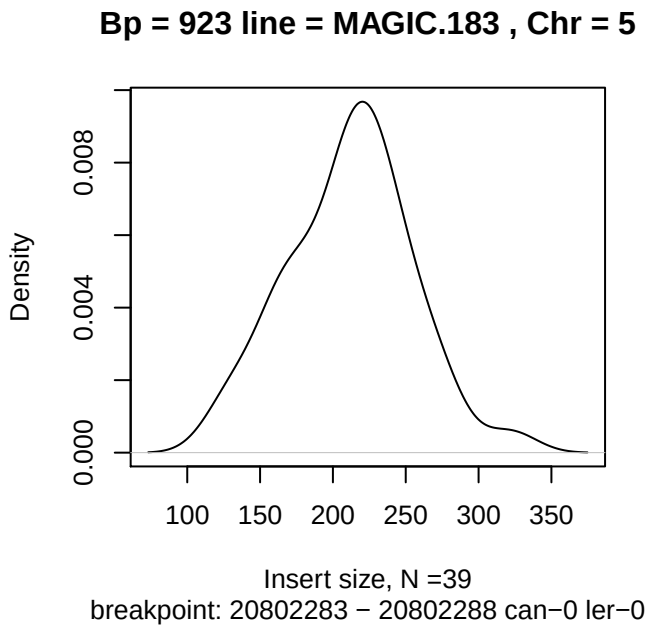

Bp = 918 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =47
breakpoint: 20144751 − 20144779 hi−0 po−0

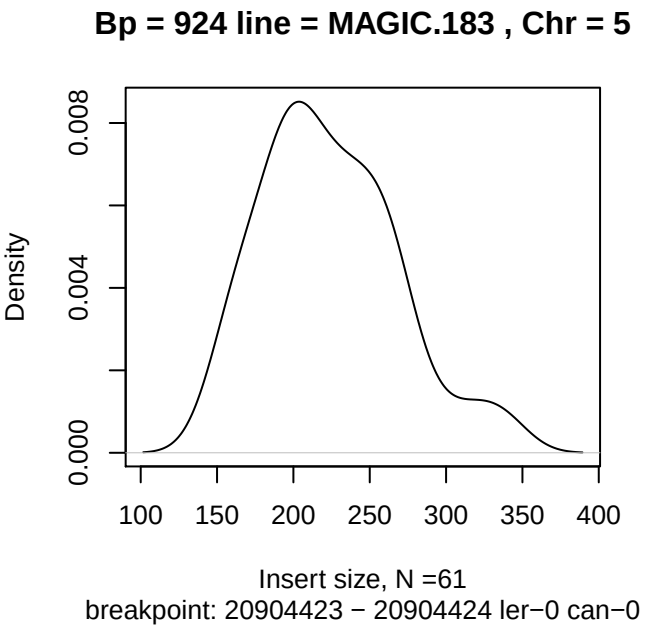

Bp = 919 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =38
breakpoint: 20336842 − 20336853 po−0 tsu−0

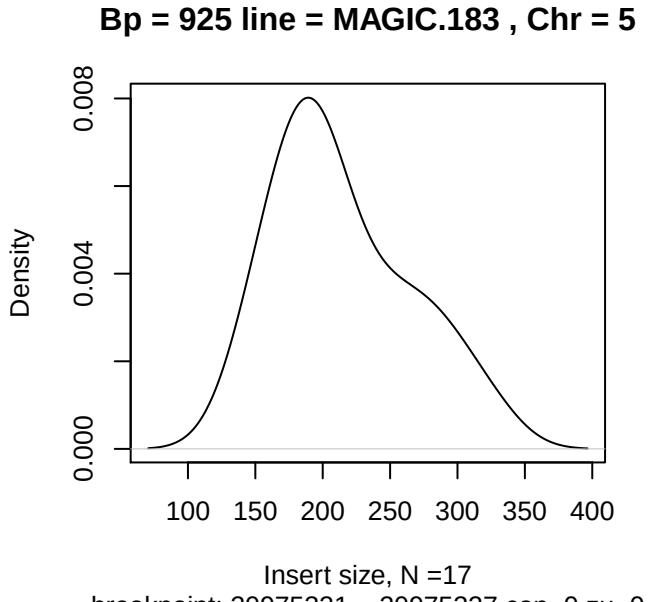

Bp = 920 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =51
breakpoint: 20386916 − 20386945 tsu−0 po−0

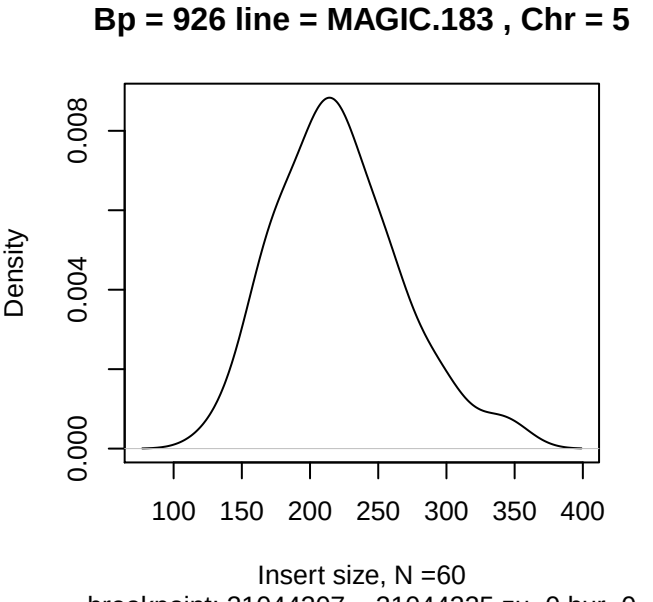

Bp = 921 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =31
breakpoint: 20545403 − 20545413 po−0 hi−0

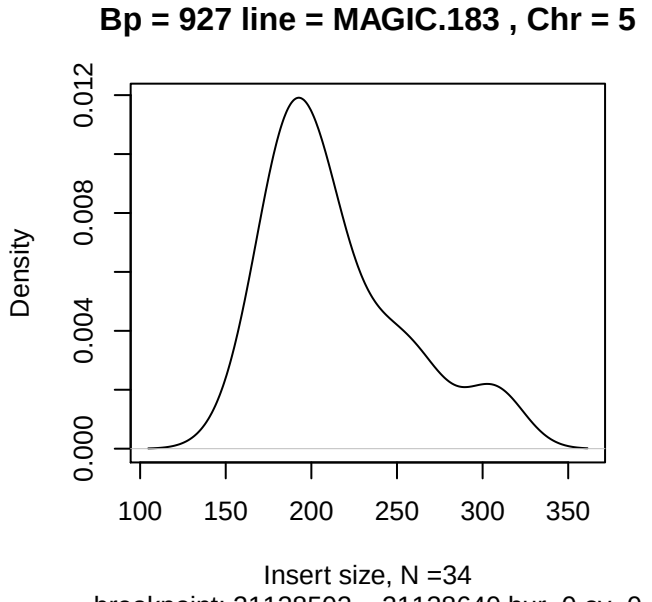

Bp = 922 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =65
breakpoint: 20709143 − 20709369 hi−0 can−0

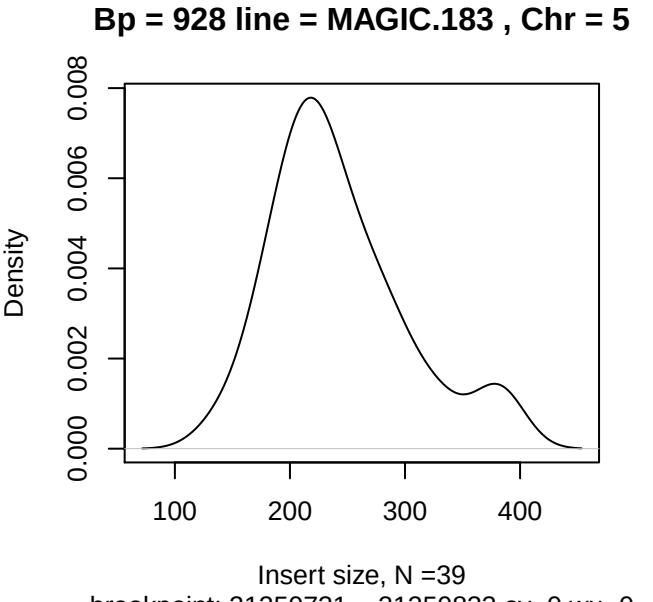

Bp = 923 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =39
breakpoint: 20802283 − 20802288 can−0 ler−0

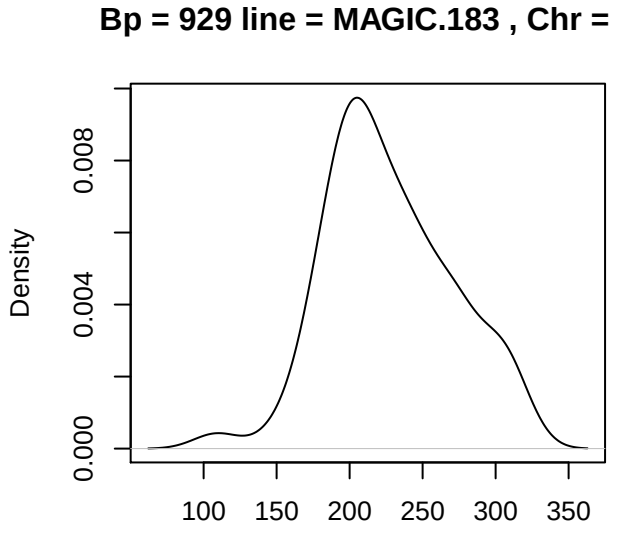

Bp = 924 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =61
breakpoint: 20904423 − 20904424 ler−0 can−0


Bp = 925 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =17
breakpoint: 20975321 − 20975327 can−0 zu−0


Bp = 926 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =60
breakpoint: 21044207 − 21044225 zu−0 bur−0


Bp = 927 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =34
breakpoint: 21138502 − 21138640 bur−0 oy−0


Bp = 928 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =39
breakpoint: 21250731 − 21250833 oy−0 wu−0


Bp = 929 line = MAGIC.183 , Chr = 5
Density
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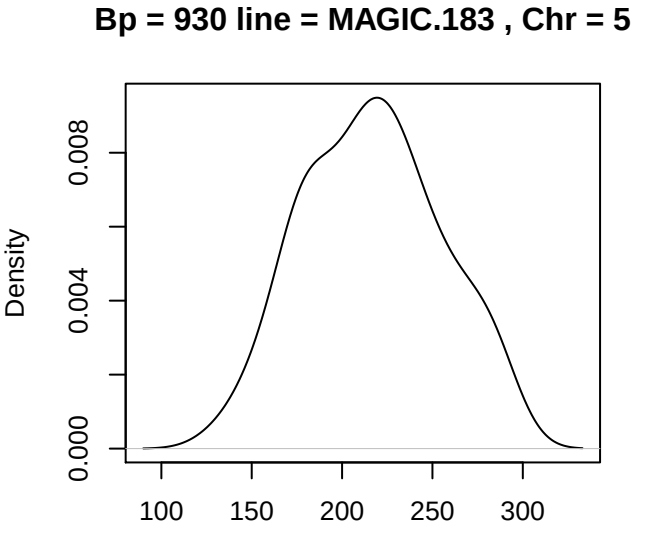
0.004
0.008
100
150
200
250
300
350
Insert size, N =61
breakpoint: 21296390 − 21296410 wu−0 sf−2


Bp = 930 line = MAGIC.183 , Chr = 5
Density
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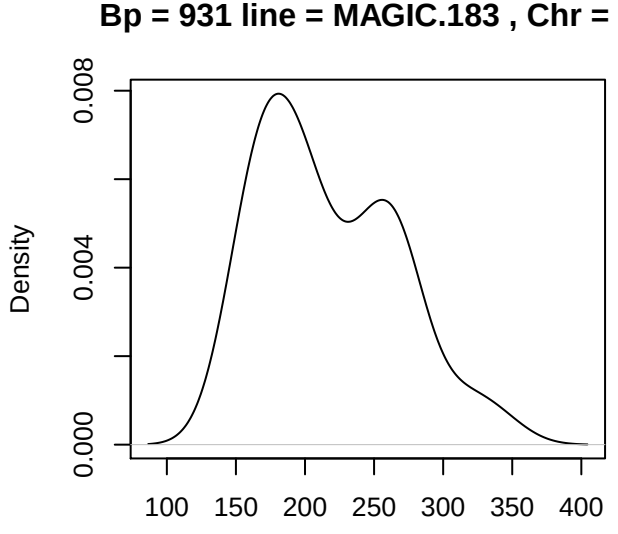
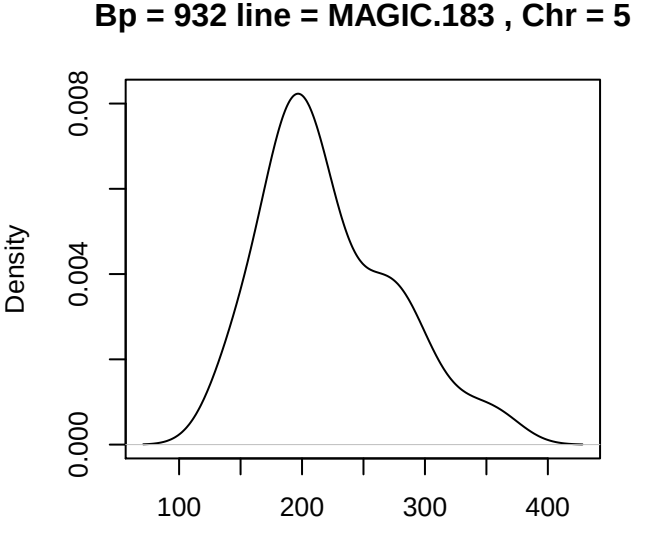
0.004
0.008
100
150
200
250
300
Insert size, N =73
breakpoint: 21339863 − 21339959 sf−2 can−0


Bp = 931 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =45
breakpoint: 21504351 − 21504411 can−0 zu−0


Bp = 932 line = MAGIC.183 , Chr = 5
Density
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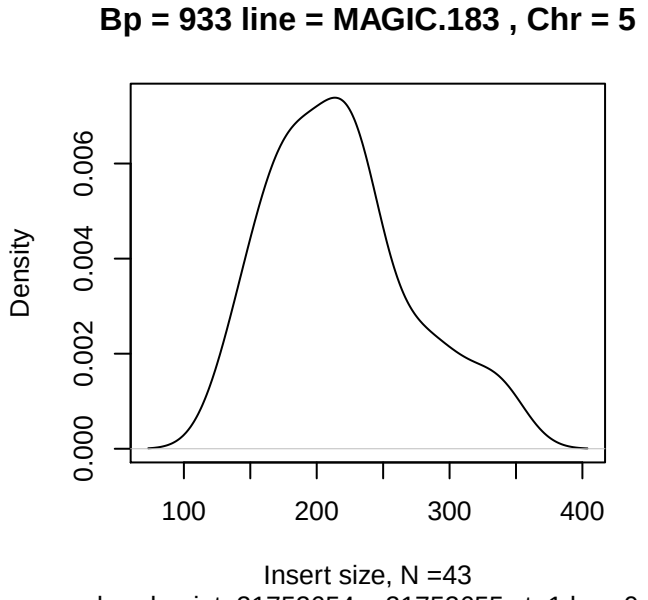
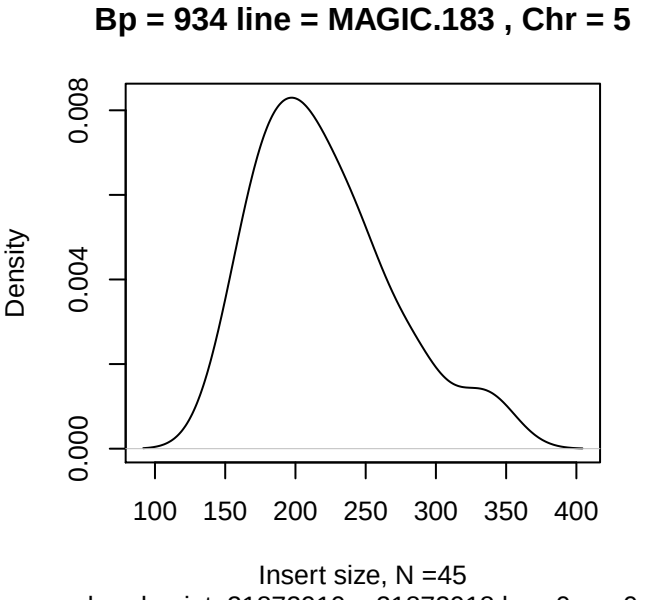
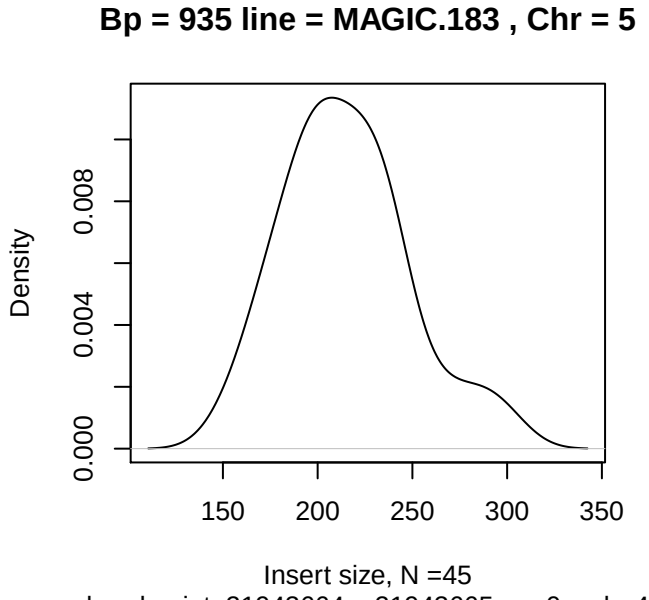
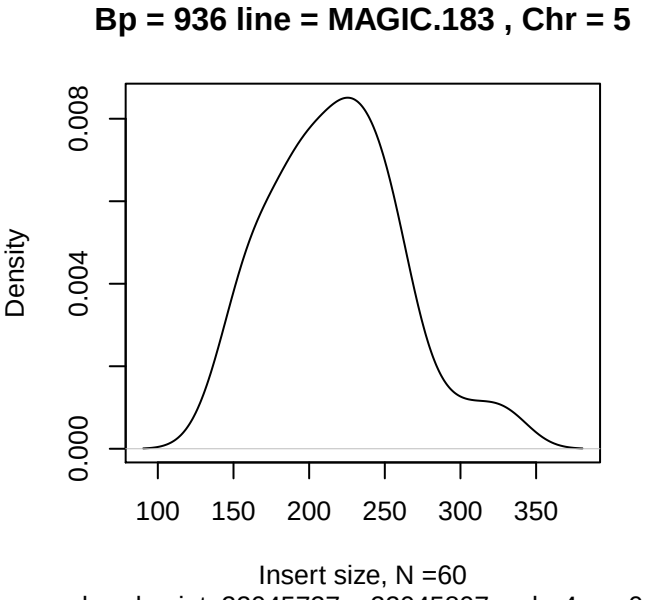
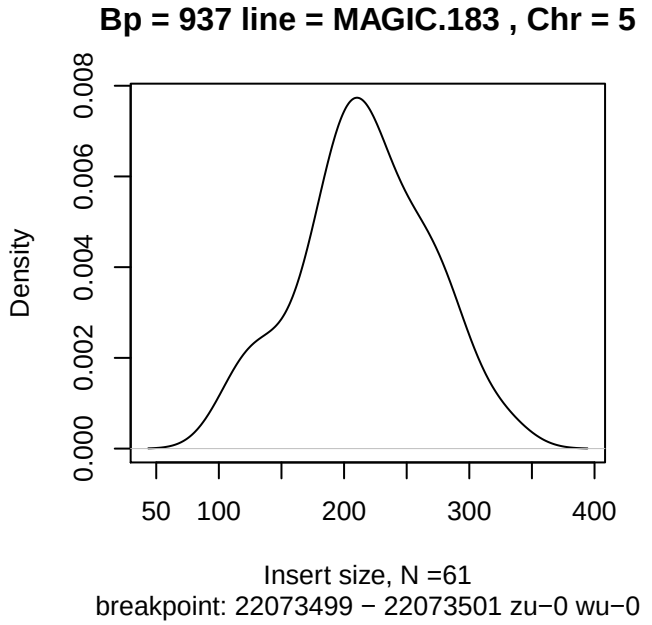
0.004
0.008
100
200
300
400
Insert size, N =65
breakpoint: 21697959 − 21698093 zu−0 ct−1

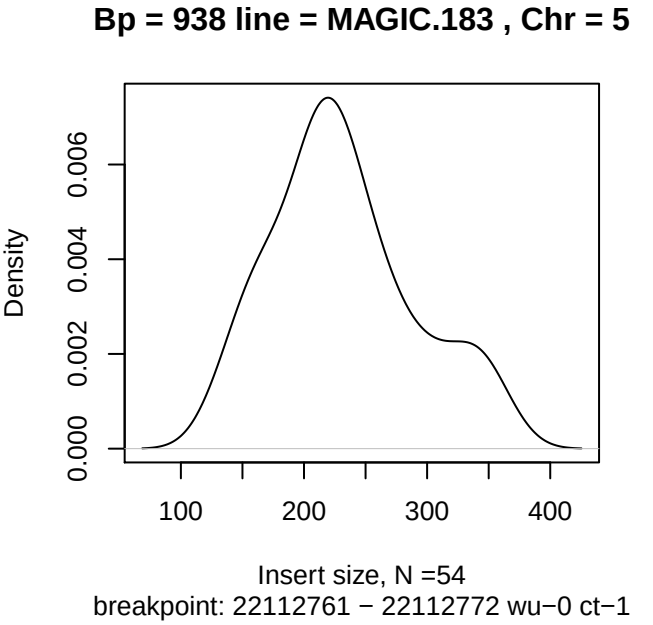

Bp = 933 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =43
breakpoint: 21752654 − 21752655 ct−1 bur−0

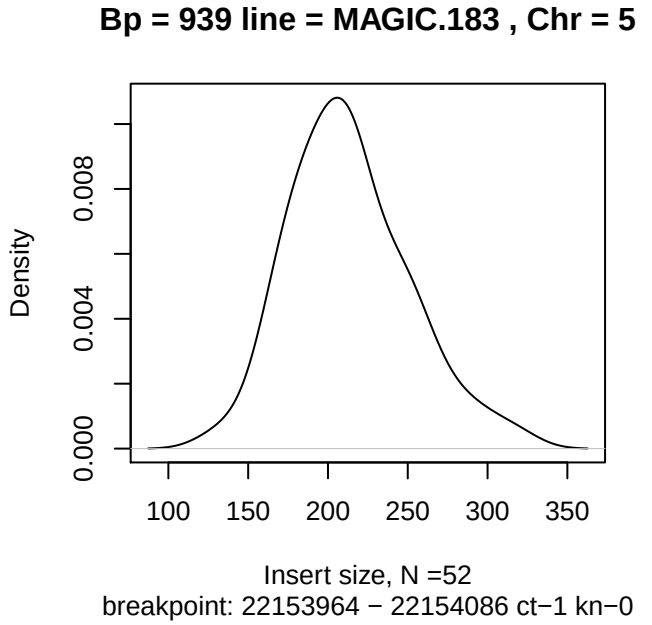

Bp = 934 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Insert size, N =45
breakpoint: 21872910 − 21872918 bur−0 po−0

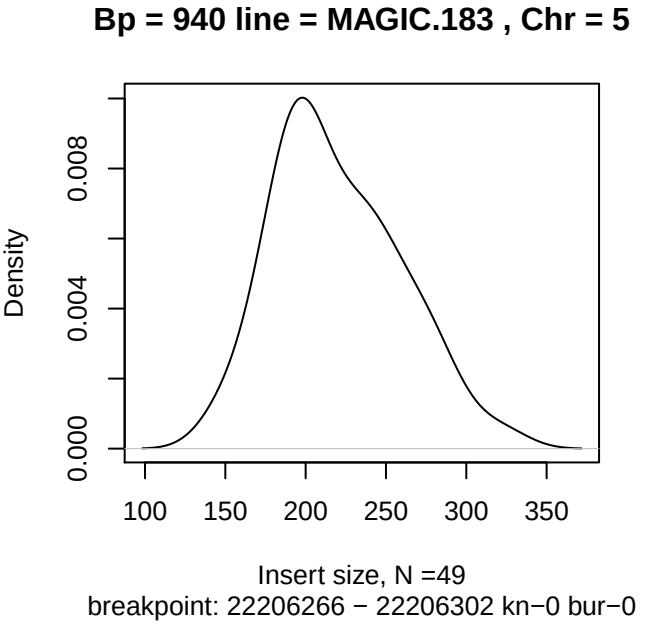

Bp = 935 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
150
200
250
300
350
Insert size, N =45
breakpoint: 21943664 − 21943665 po−0 rsch−4

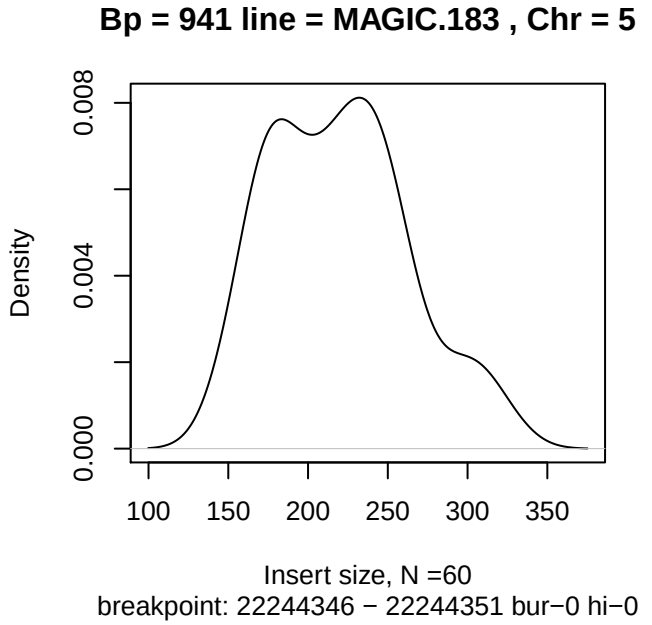

Bp = 936 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =60
breakpoint: 22045727 − 22045807 rsch−4 zu−0

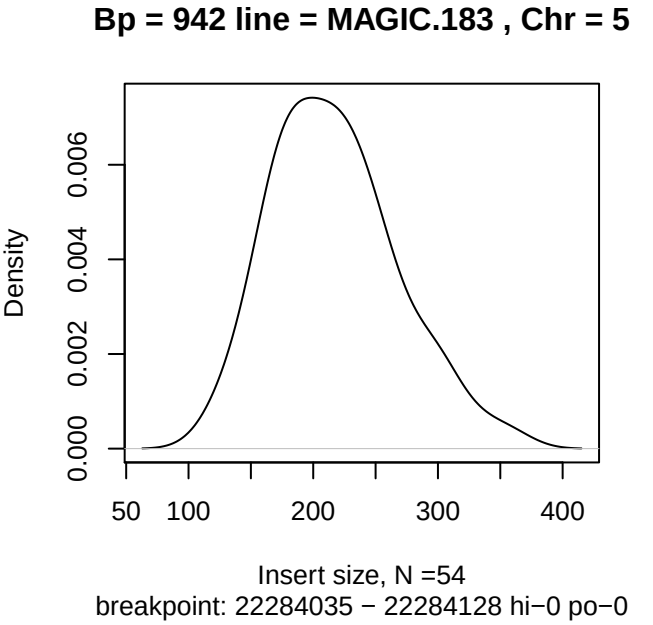

Bp = 937 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
50
100
200
300
400
Insert size, N =61
breakpoint: 22073499 − 22073501 zu−0 wu−0

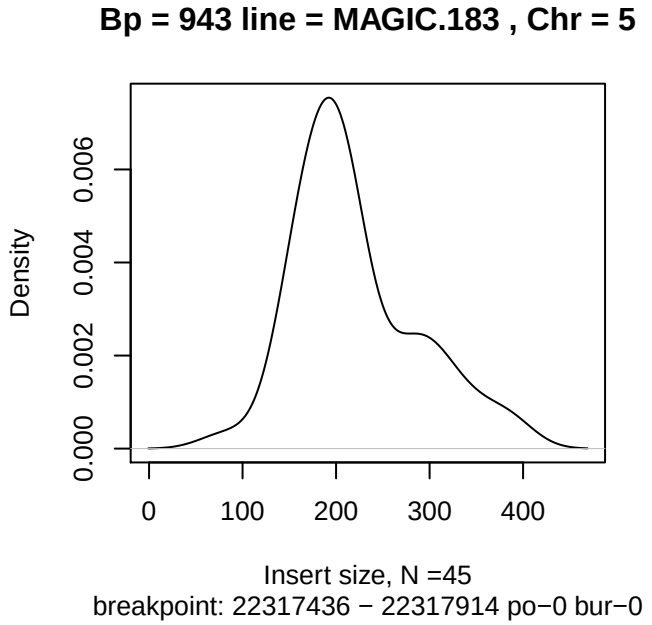

Bp = 938 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =54
breakpoint: 22112761 − 22112772 wu−0 ct−1

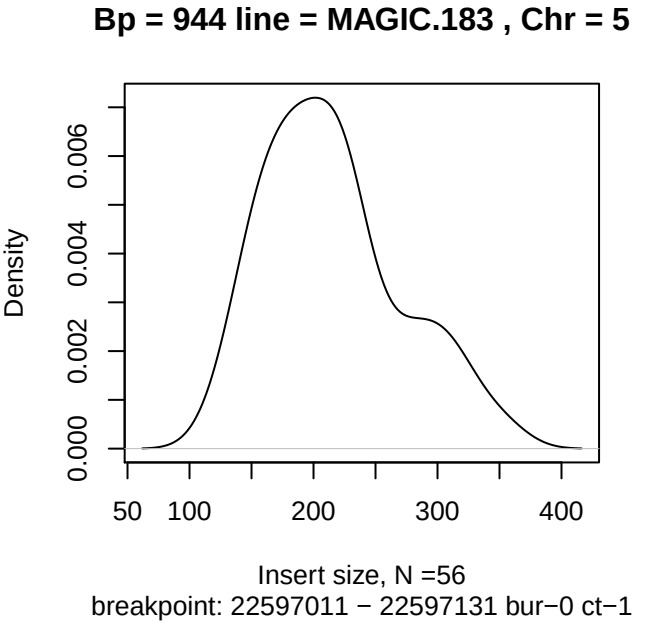

Bp = 939 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =52
breakpoint: 22153964 − 22154086 ct−1 kn−0

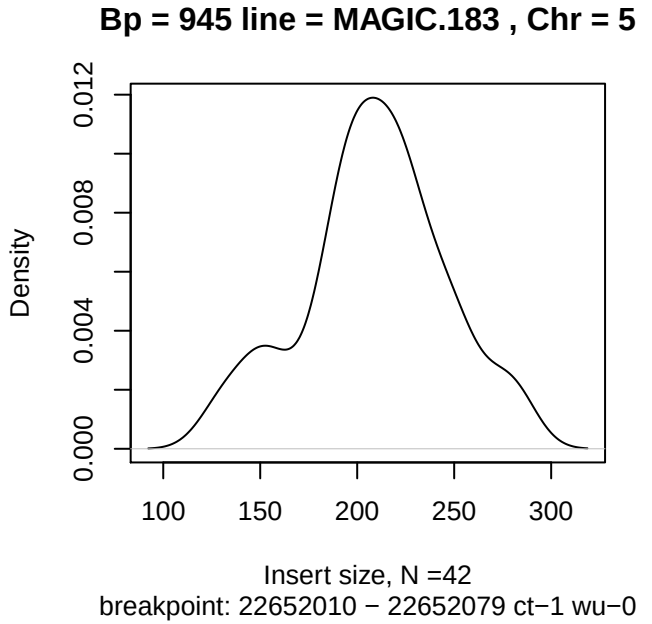

Bp = 940 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =49
breakpoint: 22206266 − 22206302 kn−0 bur−0

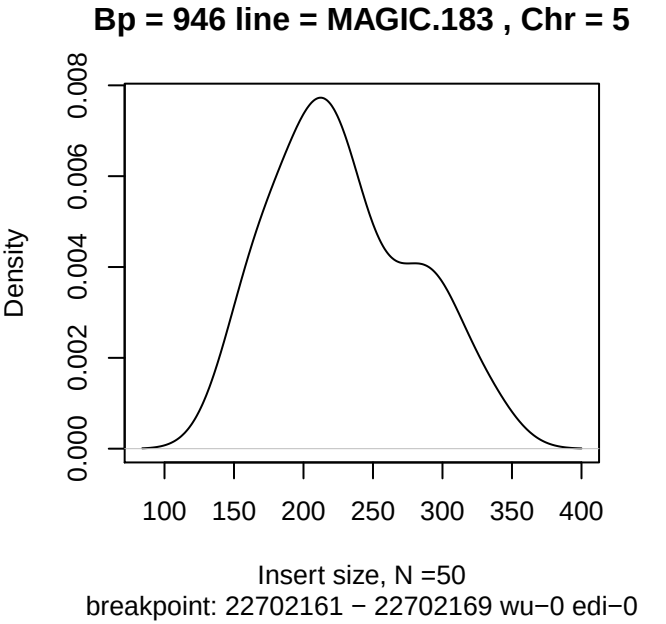

Bp = 941 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =60
breakpoint: 22244346 − 22244351 bur−0 hi−0

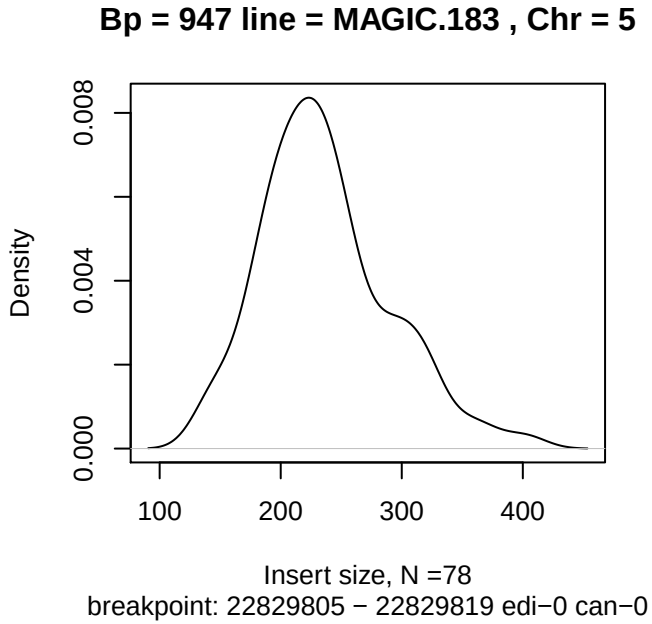

Bp = 942 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =54
breakpoint: 22284035 − 22284128 hi−0 po−0

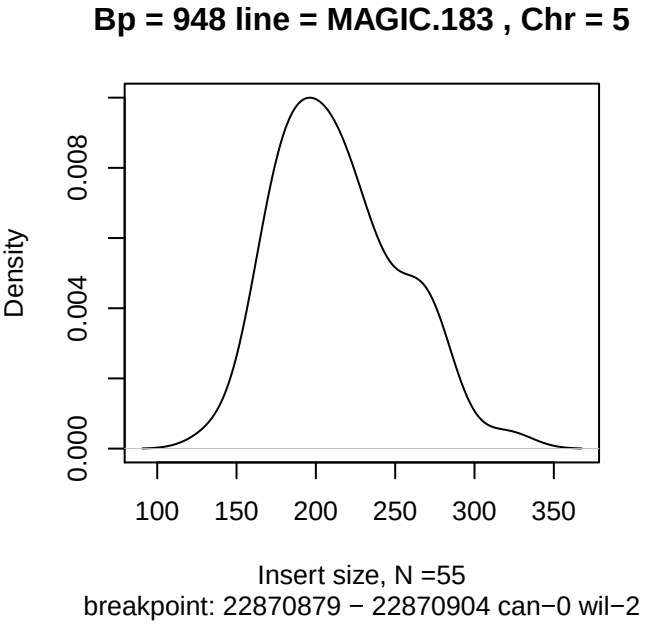

Bp = 943 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0
100
200
300
400
Insert size, N =45
breakpoint: 22317436 − 22317914 po−0 bur−0

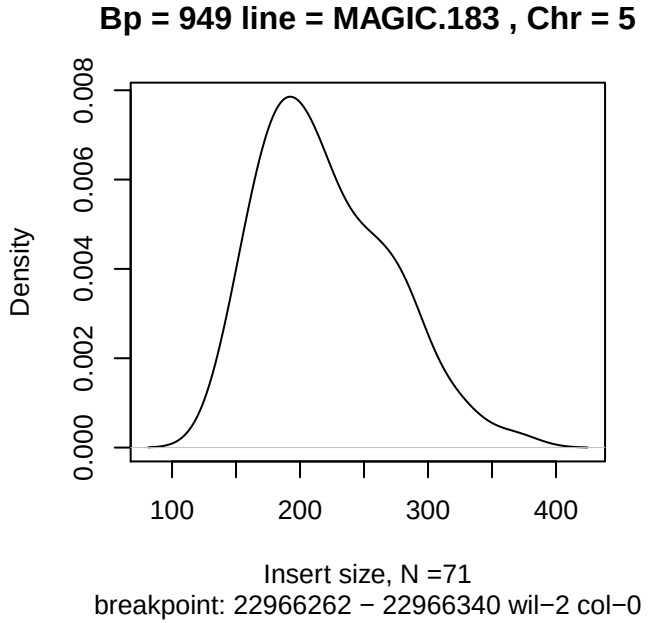

Bp = 944 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
50
100
200
300
400
Insert size, N =56
breakpoint: 22597011 − 22597131 bur−0 ct−1

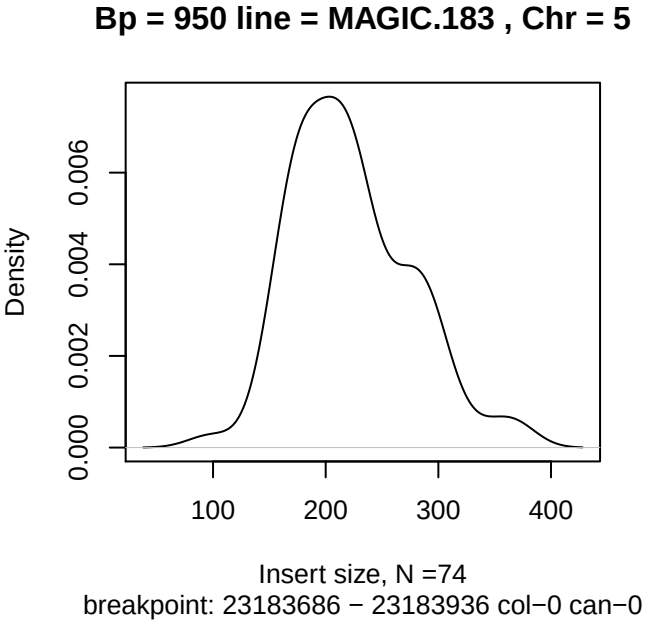

Bp = 945 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =42
breakpoint: 22652010 − 22652079 ct−1 wu−0

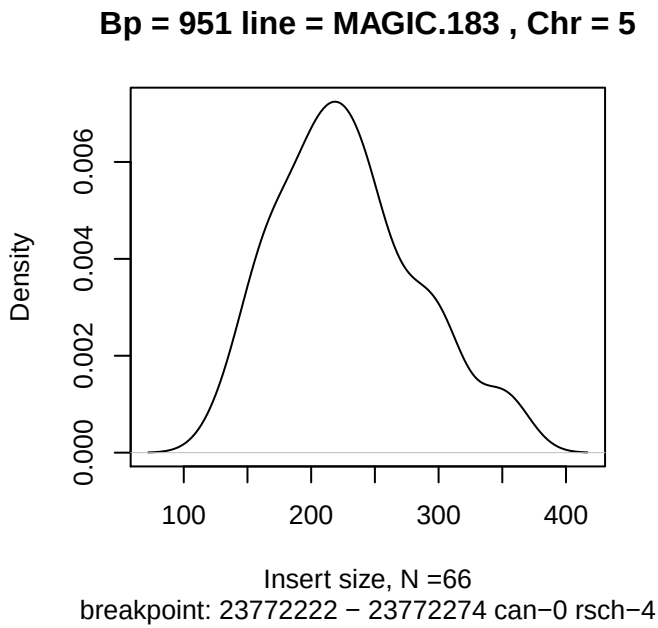

Bp = 946 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Insert size, N =50
breakpoint: 22702161 − 22702169 wu−0 edi−0

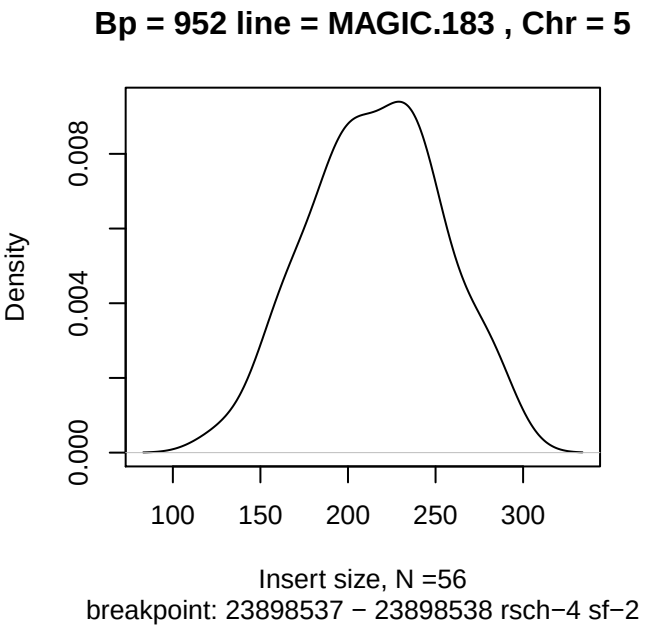

Bp = 947 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =78
breakpoint: 22829805 − 22829819 edi−0 can−0

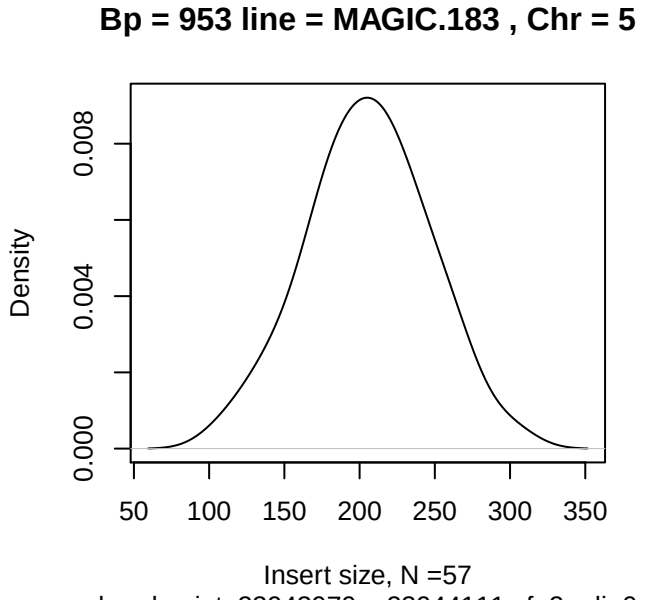

Bp = 948 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 22870879 − 22870904 can−0 wil−2

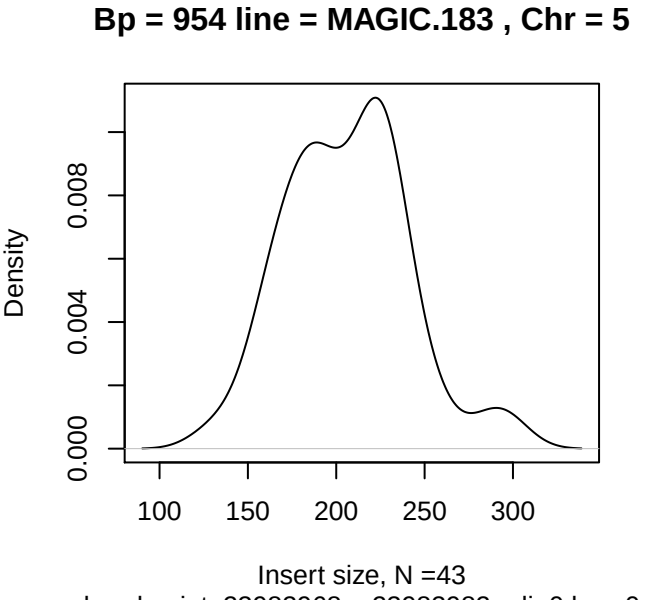

Bp = 949 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =71
breakpoint: 22966262 − 22966340 wil−2 col−0

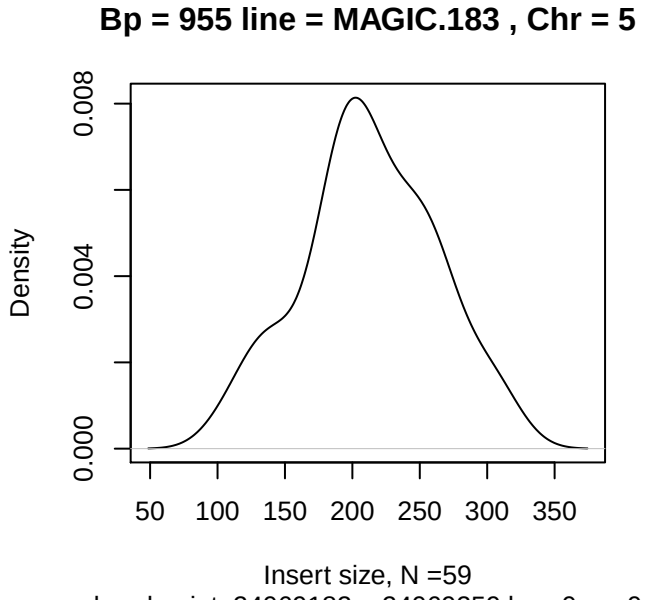

Bp = 950 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =74
breakpoint: 23183686 − 23183936 col−0 can−0

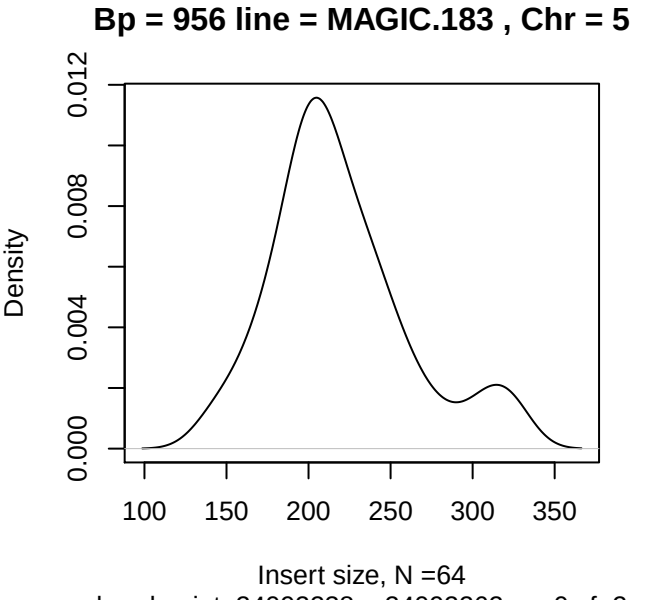

Bp = 951 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =66
breakpoint: 23772222 − 23772274 can−0 rsch−4

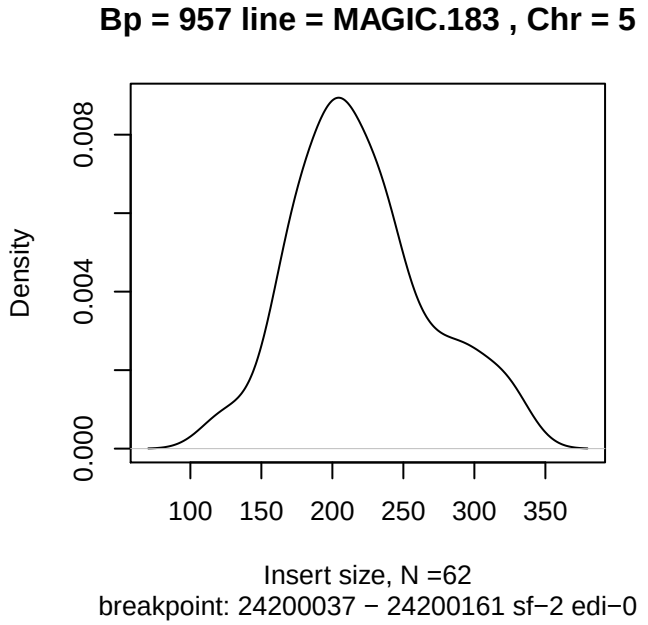

Bp = 952 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =56
breakpoint: 23898537 − 23898538 rsch−4 sf−2

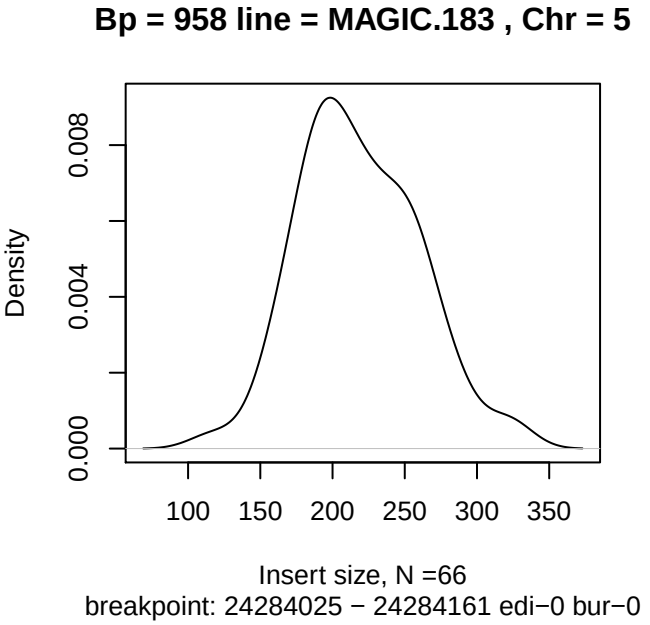

Bp = 953 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =57
breakpoint: 23943970 − 23944111 sf−2 edi−0

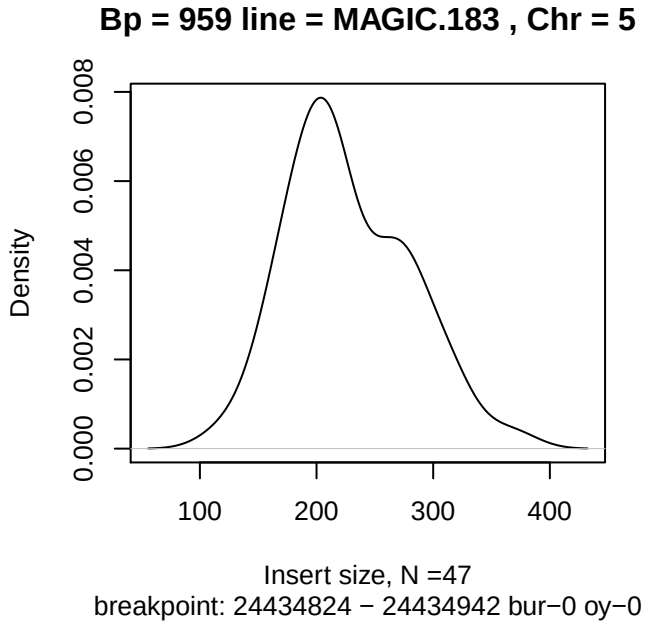

Bp = 954 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =43
breakpoint: 23983968 − 23983982 edi−0 bur−0

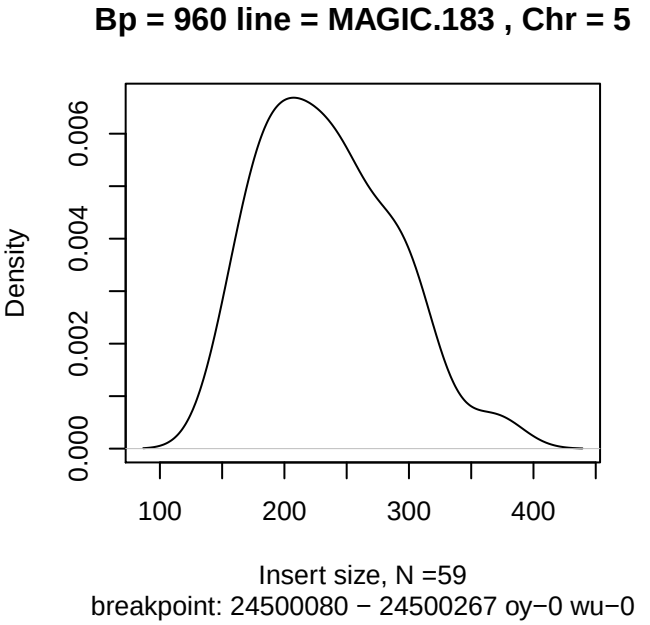

Bp = 955 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Insert size, N =59
breakpoint: 24069182 − 24069259 bur−0 oy−0

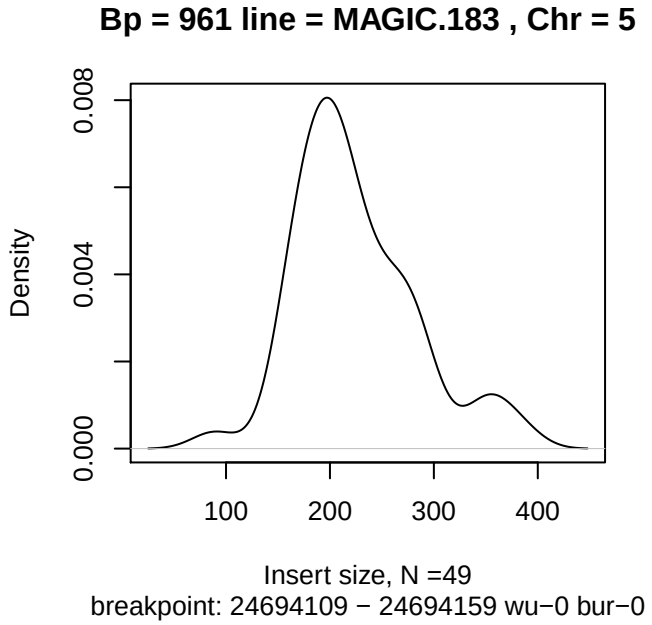

Bp = 956 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Insert size, N =64
breakpoint: 24092238 − 24092262 oy−0 sf−2

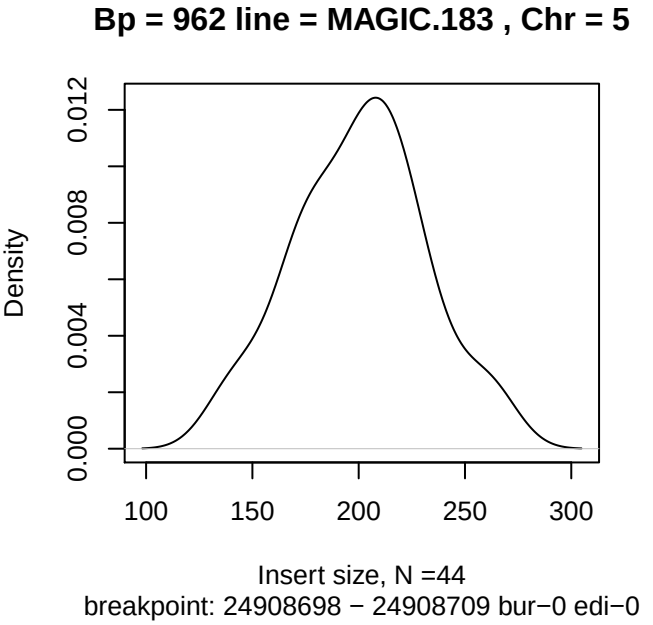

Bp = 957 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =62
breakpoint: 24200037 − 24200161 sf−2 edi−0

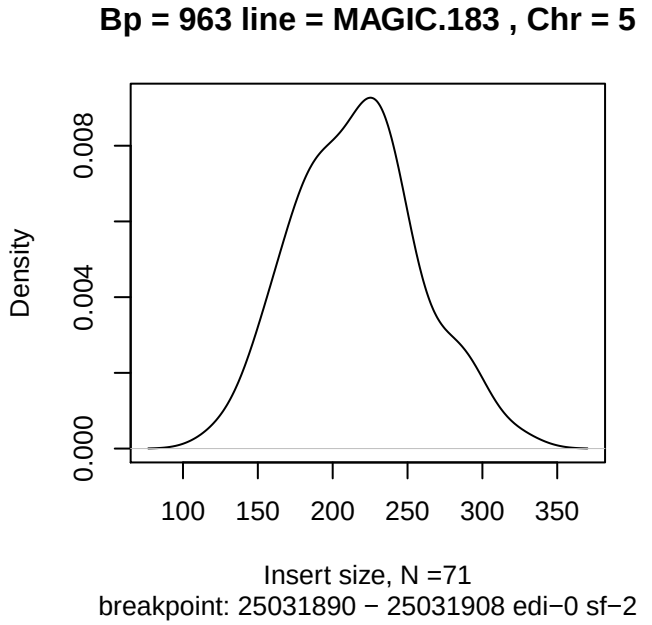

Bp = 958 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =66
breakpoint: 24284025 − 24284161 edi−0 bur−0

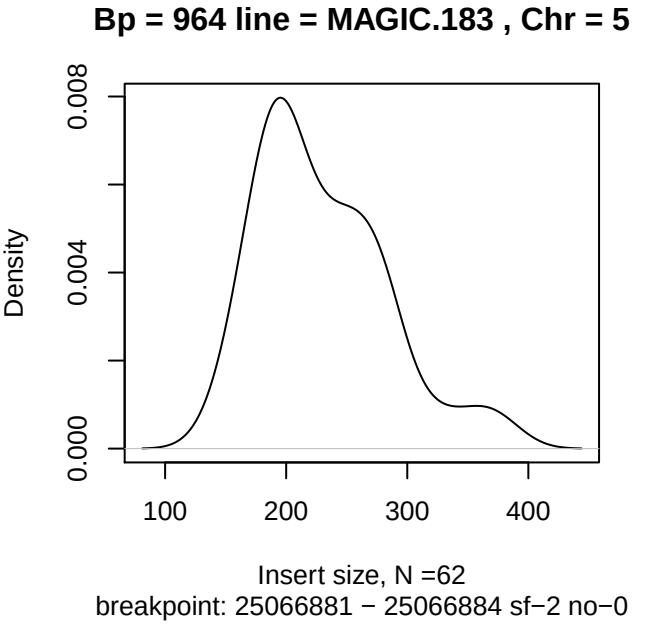

Bp = 959 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =47
breakpoint: 24434824 − 24434942 bur−0 oy−0

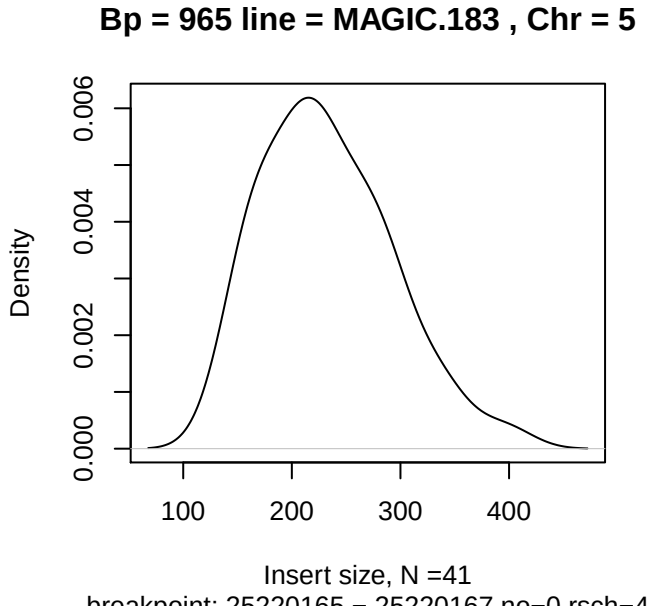

Bp = 960 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =59
breakpoint: 24500080 − 24500267 oy−0 wu−0

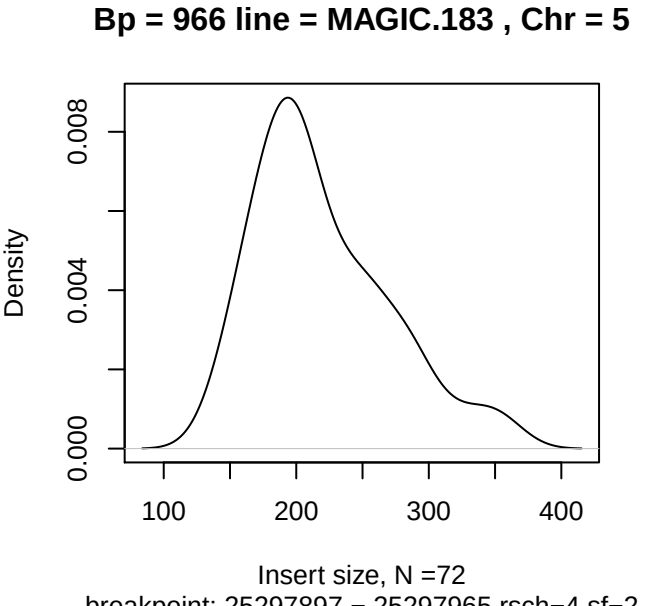

Bp = 961 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =49
breakpoint: 24694109 − 24694159 wu−0 bur−0

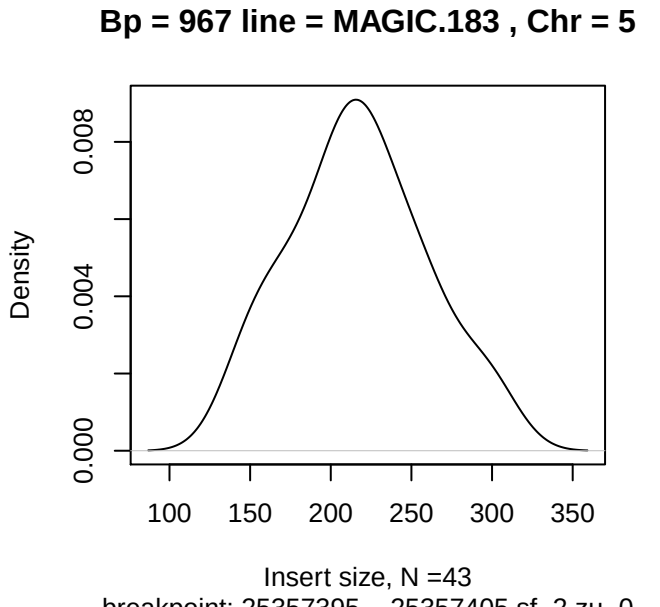

Bp = 962 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =44
breakpoint: 24908698 − 24908709 bur−0 edi−0

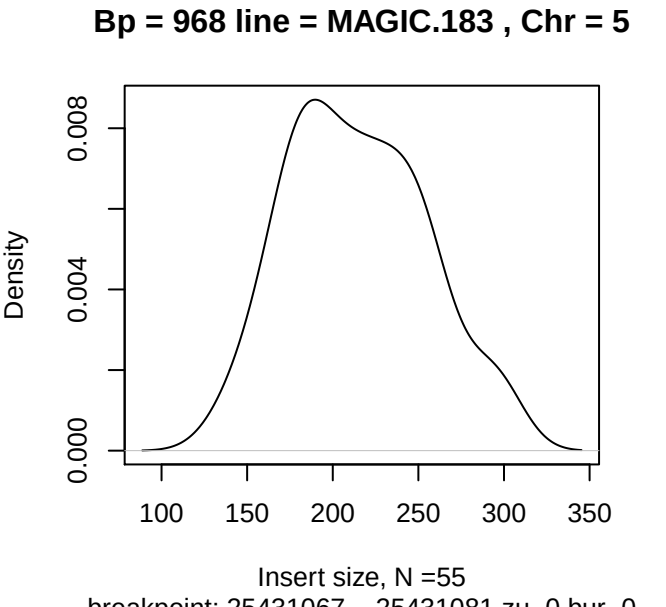

Bp = 963 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =71
breakpoint: 25031890 − 25031908 edi−0 sf−2

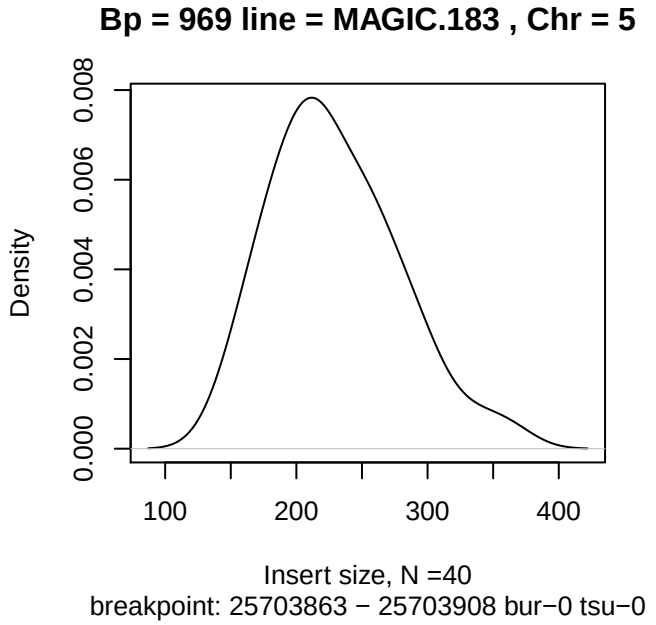

Bp = 964 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =62
breakpoint: 25066881 − 25066884 sf−2 no−0

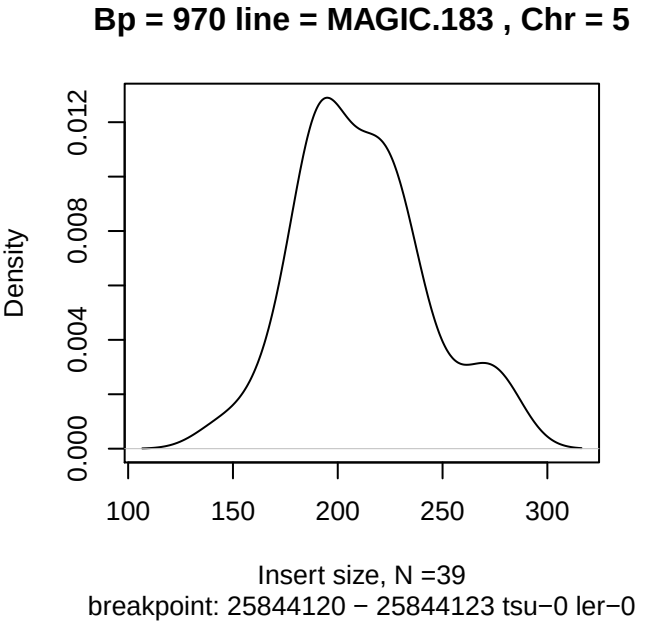

Bp = 965 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =41
breakpoint: 25220165 − 25220167 no−0 rsch−4

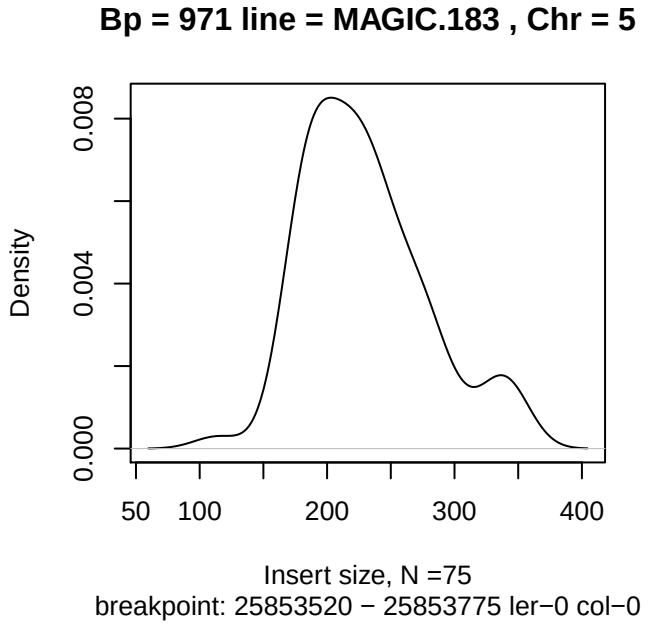

Bp = 966 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =72
breakpoint: 25297897 − 25297965 rsch−4 sf−2

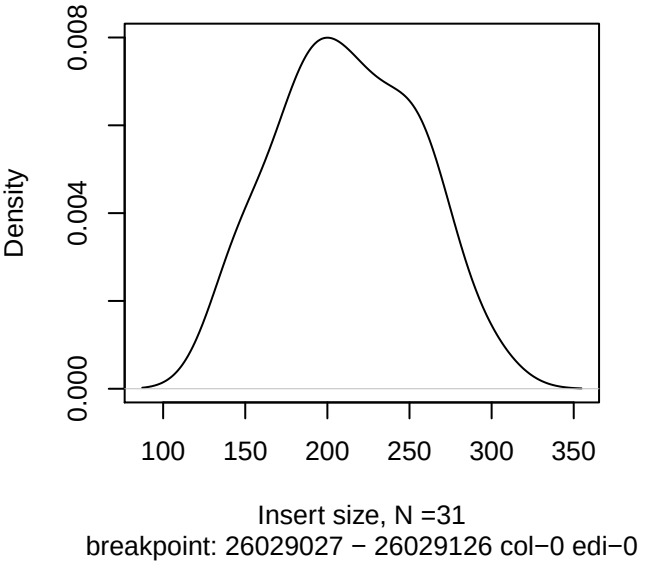

Bp = 967 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =43
breakpoint: 25357395 − 25357405 sf−2 zu−0

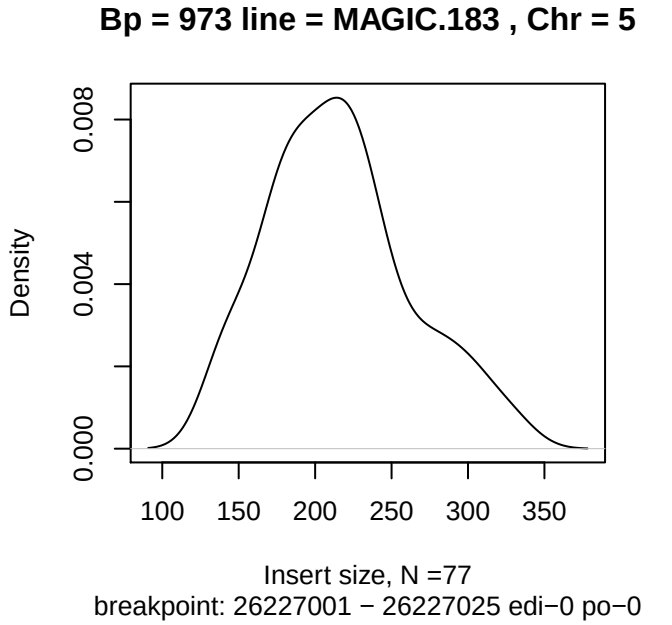

Bp = 968 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =55
breakpoint: 25431067 − 25431081 zu−0 bur−0

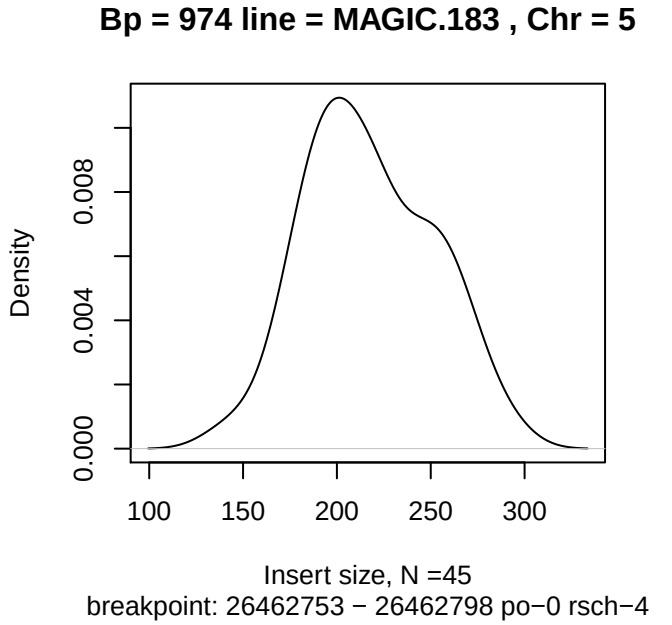

Bp = 969 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Insert size, N =40
breakpoint: 25703863 − 25703908 bur−0 tsu−0

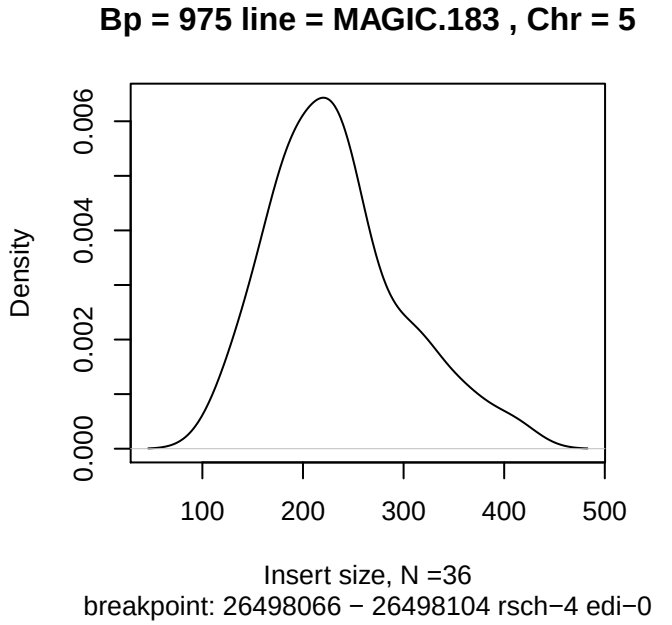

Bp = 970 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
Insert size, N =39
breakpoint: 25844120 − 25844123 tsu−0 ler−0

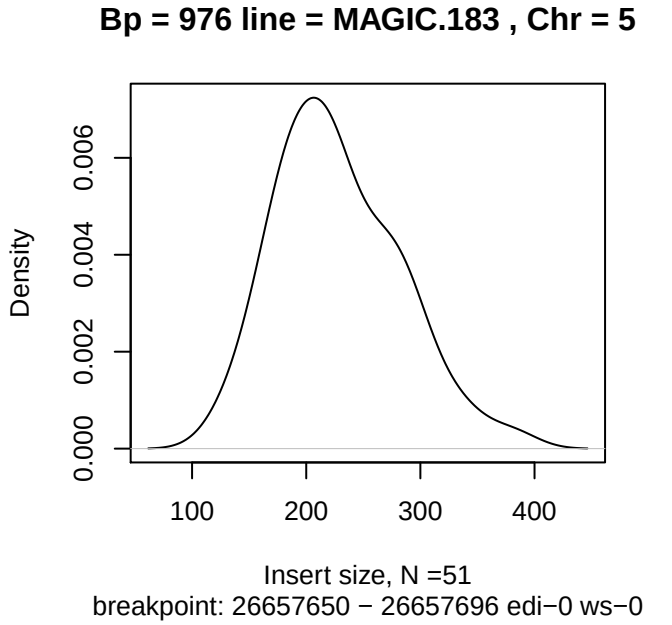

Bp = 971 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
50
100
200
300
400
Insert size, N =75
breakpoint: 25853520 − 25853775 ler−0 col−0

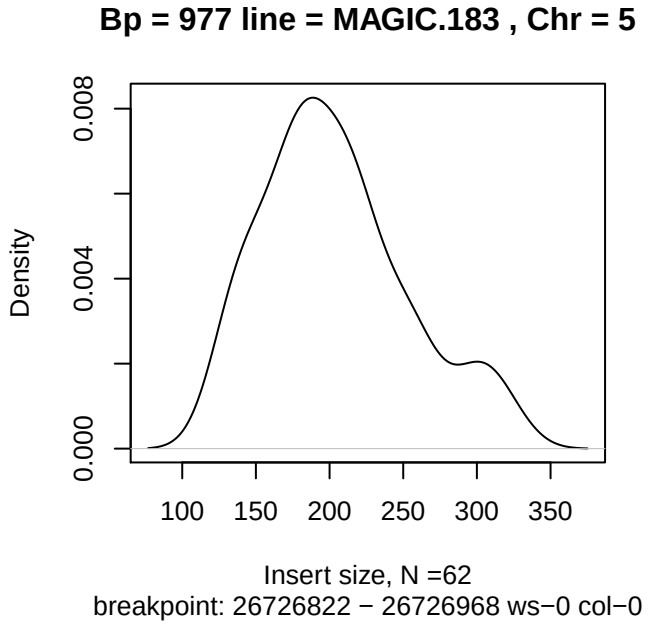

Bp = 972 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =31
breakpoint: 26029027 − 26029126 col−0 edi−0

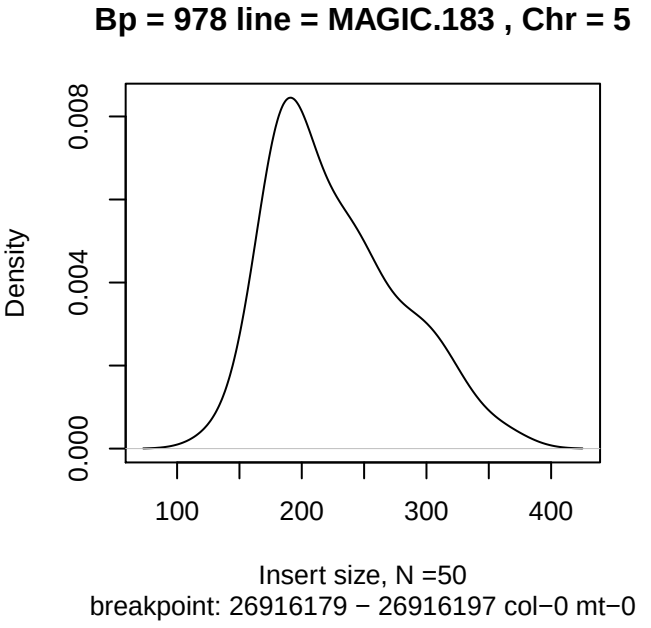

Bp = 973 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =77
breakpoint: 26227001 − 26227025 edi−0 po−0


Bp = 974 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
Insert size, N =45
breakpoint: 26462753 − 26462798 po−0 rsch−4


Bp = 975 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
500
Insert size, N =36
breakpoint: 26498066 − 26498104 rsch−4 edi−0


Bp = 976 line = MAGIC.183 , Chr = 5
Density
0.000
0.002
0.004
0.006
100
200
300
400
Insert size, N =51
breakpoint: 26657650 − 26657696 edi−0 ws−0


Bp = 977 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
150
200
250
300
350
Insert size, N =62
breakpoint: 26726822 − 26726968 ws−0 col−0


Bp = 978 line = MAGIC.183 , Chr = 5
Density
0.000
0.004
0.008
100
200
300
400
Insert size, N =50
breakpoint: 26916179 − 26916197 col−0 mt−0