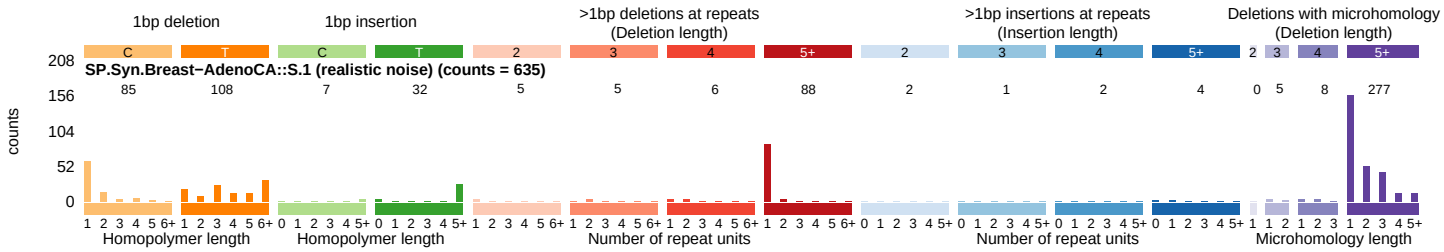
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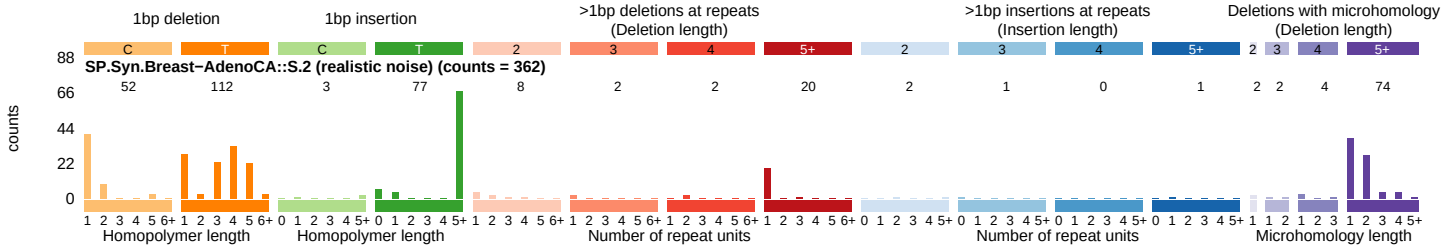
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.1 (realistic noise) (counts = 635)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
85 108 7 32 5 5 6 88 2 1 2 4 0 5 8 277
counts
208 156 104 52 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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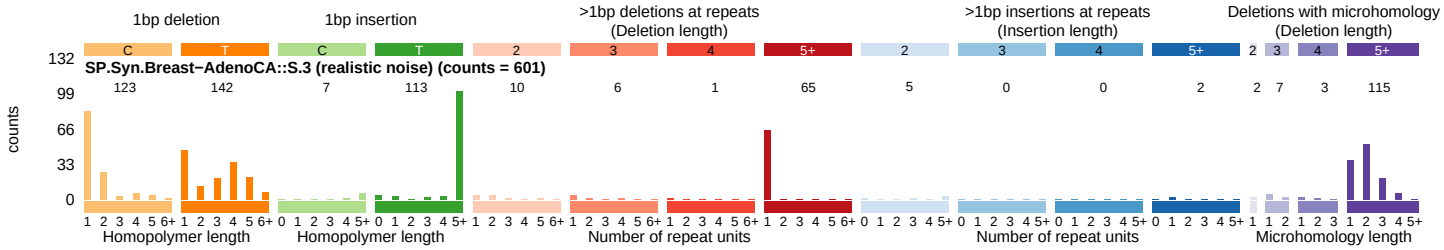
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.2 (realistic noise) (counts = 362)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
52 112 3 77 8 2 2 20 2 1 0 1 2 2 4 74
counts
88 66 44 22 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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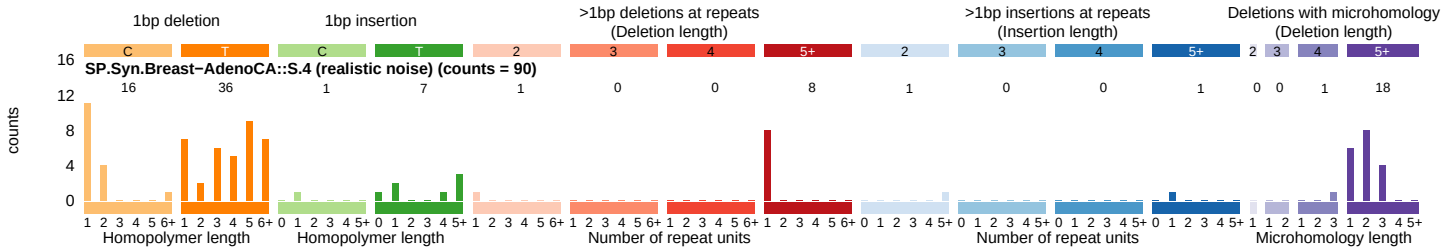
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.3 (realistic noise) (counts = 601)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
123 142 7 113 10 6 1 65 5 0 0 2 2 7 3 115
counts
132 99 66 33 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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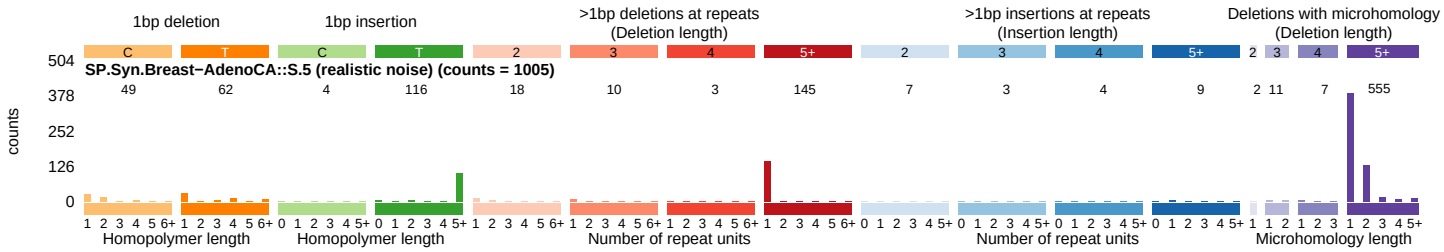
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.4 (realistic noise) (counts = 90)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
16 36 1 7 1 0 0 8 1 0 0 1 0 0 1 18
counts
16 12 8 4 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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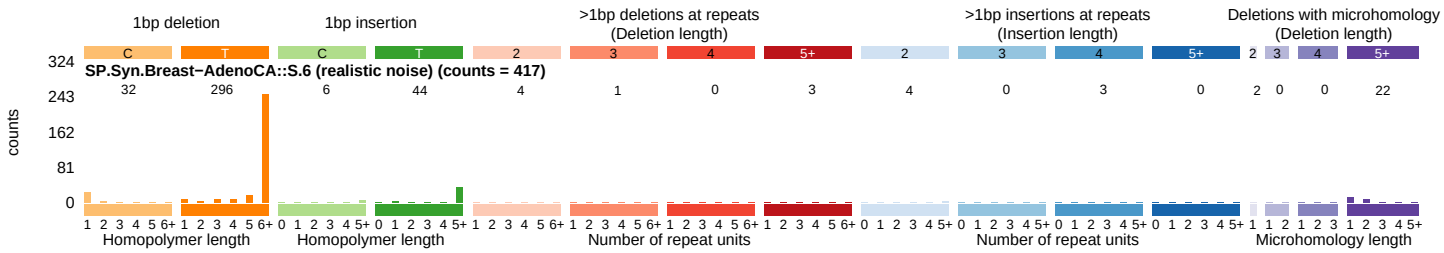
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.5 (realistic noise) (counts = 1005)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
49 62 4 116 18 10 3 145 7 3 4 9 2 11 7 555
counts
504 378 252 126 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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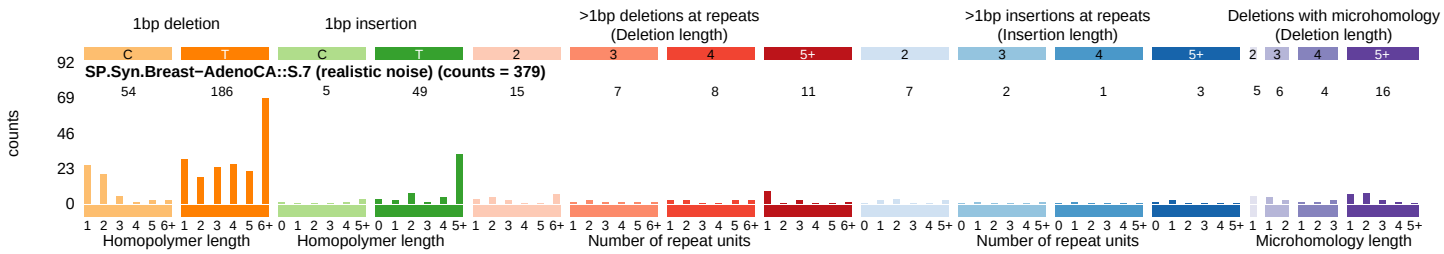
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.6 (realistic noise) (counts = 417)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
32 296 6 44 4 1 0 3 4 0 3 0 2 0 0 22
counts
324 243 162 81 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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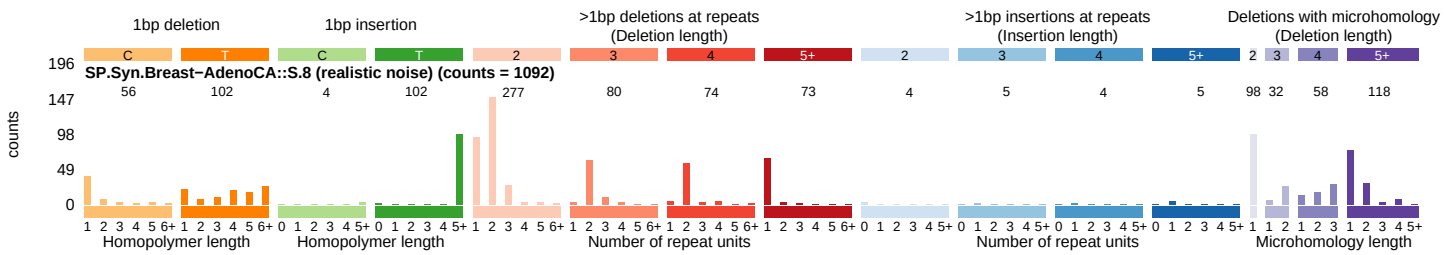
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.7 (realistic noise) (counts = 379)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
54 186 5 49 15 7 8 11 7 2 1 3 5 6 4 16
counts
92 69 46 23 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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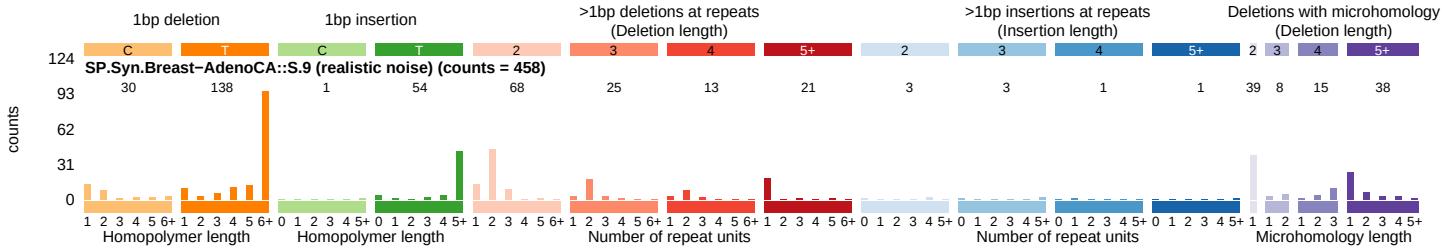
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.8 (realistic noise) (counts = 1092)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
56 102 4 102 277 80 74 73 4 5 4 5 98 32 58 118
counts
196 147 98 49 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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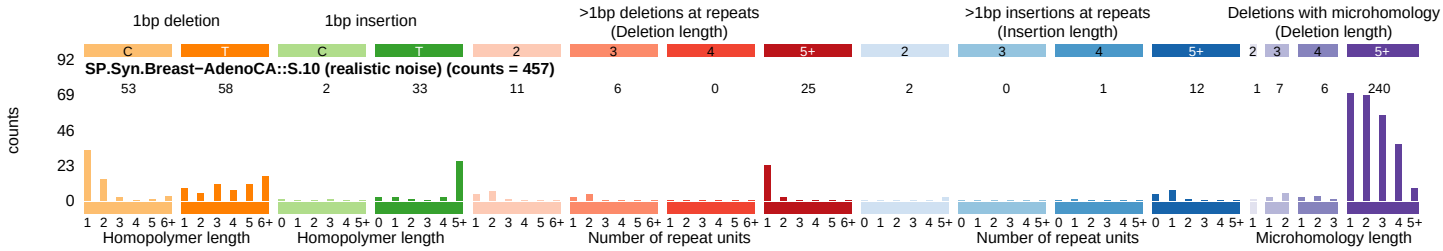
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.9 (realistic noise) (counts = 458)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
30 138 1 54 68 25 13 21 3 3 1 1 39 8 15 38
counts
Homopolymer length
Number of repeat units
Microhomology length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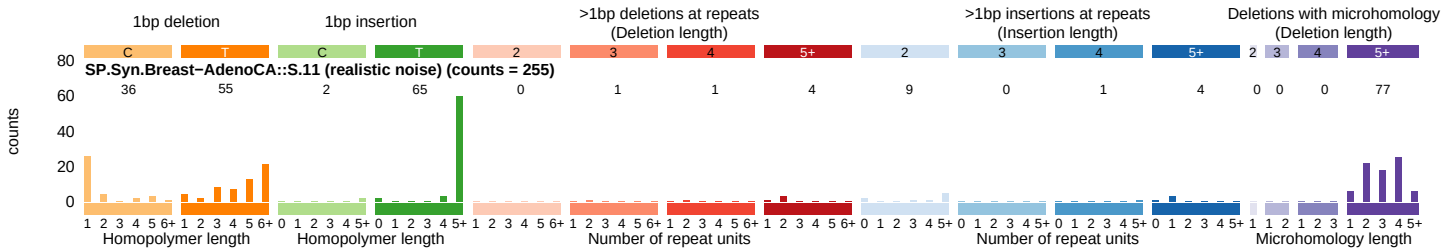
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.10 (realistic noise) (counts = 457)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
53 58 2 33 11 6 0 25 2 0 1 12 1 7 6 240
counts
Homopolymer length
Number of repeat units
Microhomology length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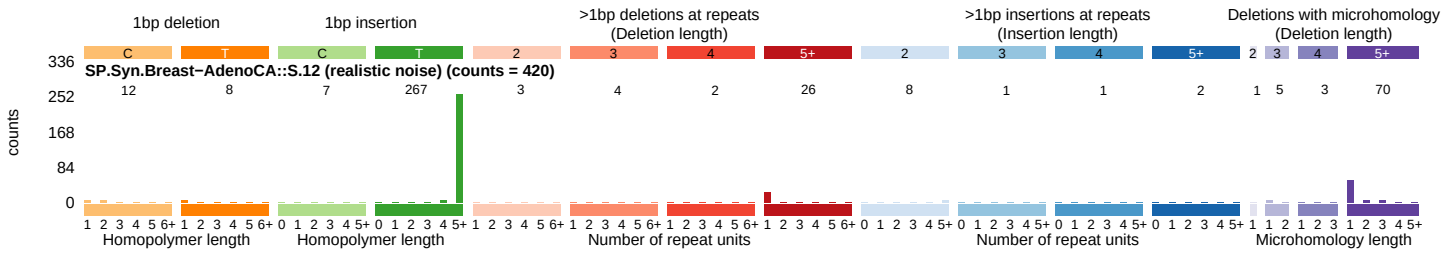
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.11 (realistic noise) (counts = 255)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
36 55 2 65 0 1 1 4 9 0 1 4 0 0 0 77
counts
Homopolymer length
Number of repeat units
Microhomology length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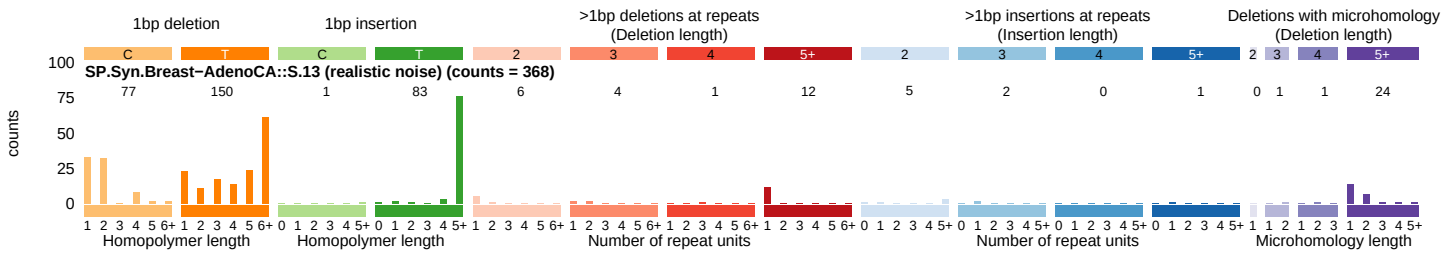
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.12 (realistic noise) (counts = 420)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
12 8 7 267 3 4 2 26 8 1 1 2 1 5 3 70
counts
Homopolymer length
Number of repeat units
Microhomology length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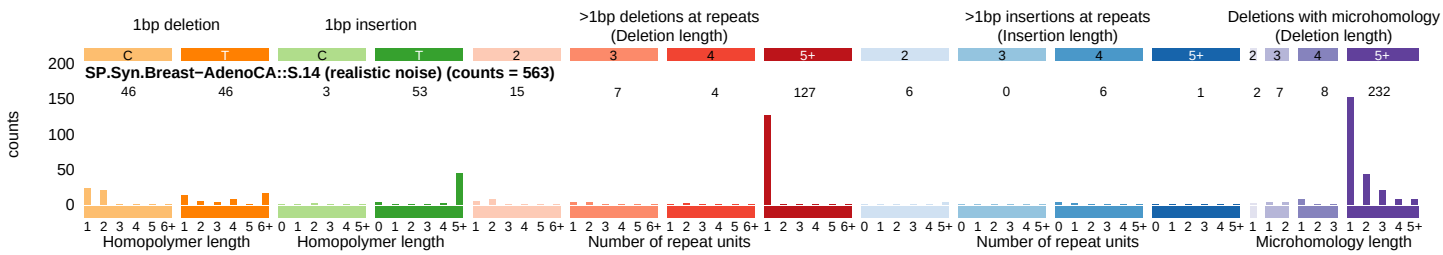
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.13 (realistic noise) (counts = 368)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
77 150 1 83 6 4 1 12 5 2 0 1 0 1 1 24
counts
Homopolymer length
Number of repeat units
Microhomology length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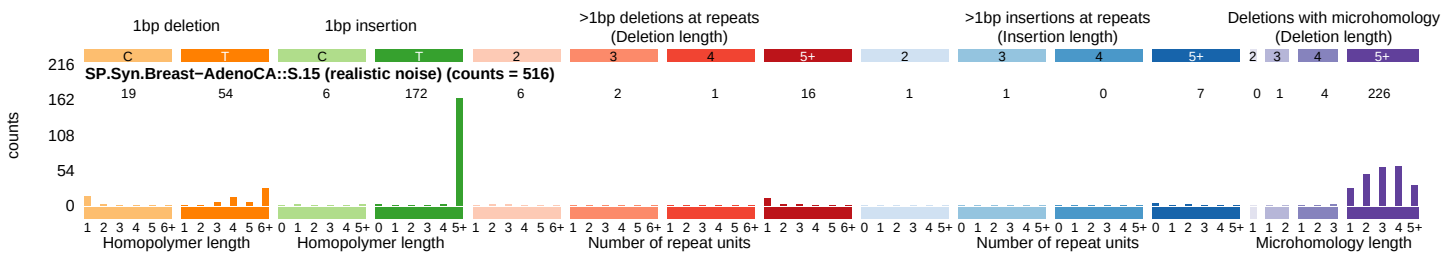
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.14 (realistic noise) (counts = 563)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
46 46 3 53 15 7 4 127 6 0 6 1 2 7 8 232
counts
Homopolymer length
Number of repeat units
Microhomology length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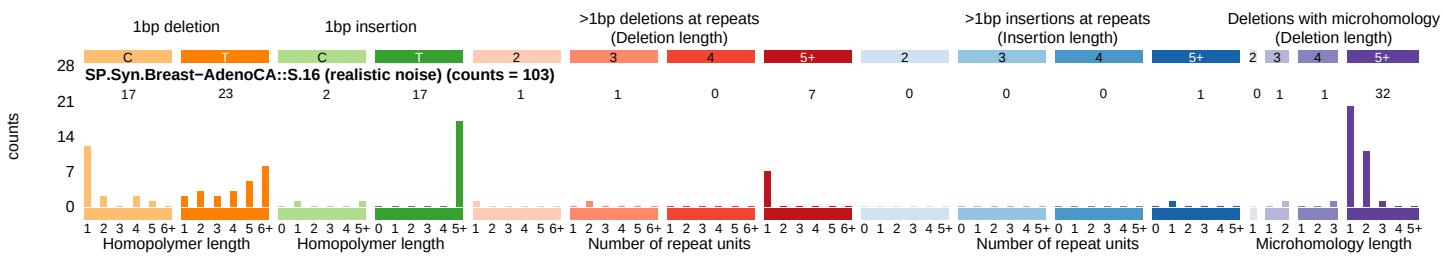
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.15 (realistic noise) (counts = 516)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
19 54 6 172 6 2 1 16 1 1 0 7 0 1 4 226
counts
Homopolymer length
Number of repeat units
Microhomology length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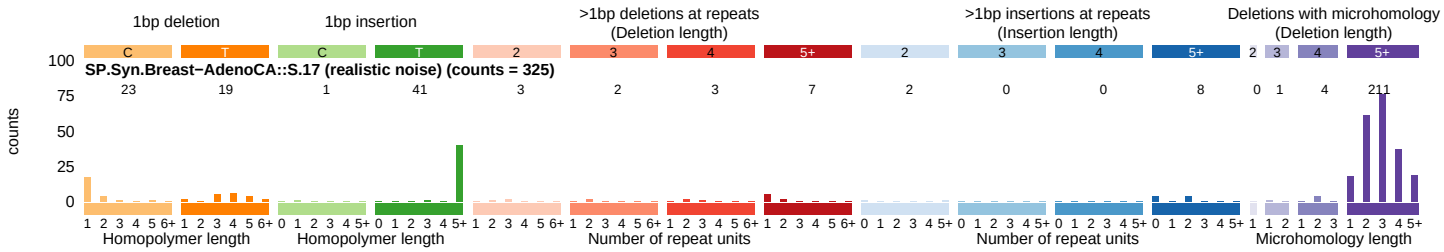
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.16 (realistic noise) (counts = 103)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
17 23 2 17 1 1 0 7 0 0 0 1 0 1 1 32
counts
Homopolymer length
Number of repeat units
Microhomology length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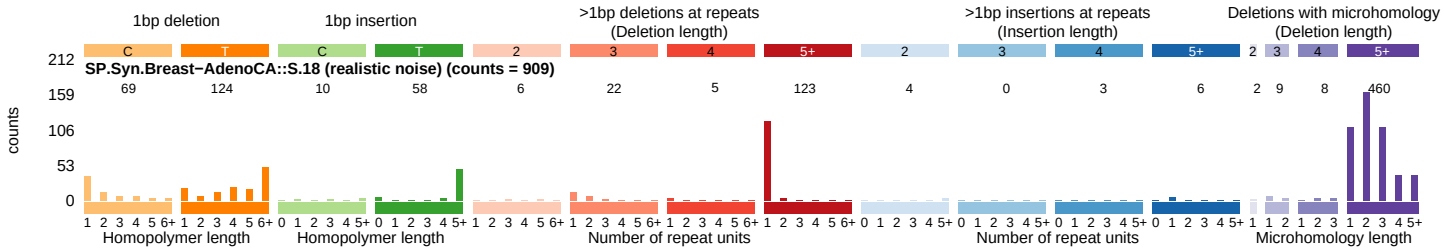
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.17 (realistic noise) (counts = 325)
23 19 1 41 3 2 3 7 2 0 0 8 0 1 4 211
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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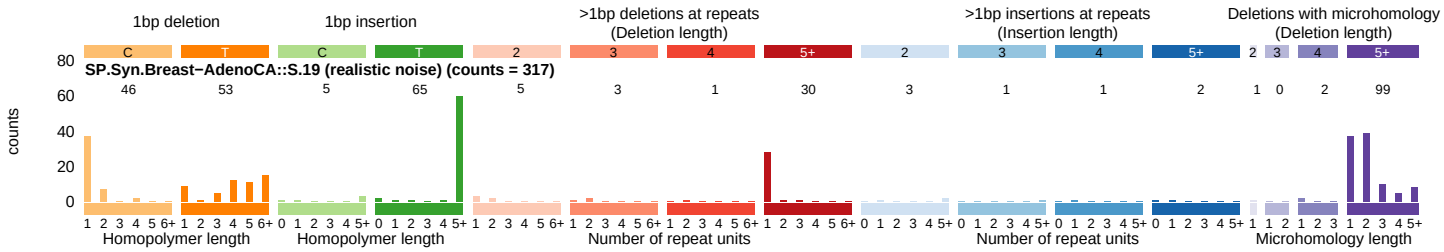
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.18 (realistic noise) (counts = 909)
69 124 10 58 6 22 5 123 4 0 3 6 2 9 8 460
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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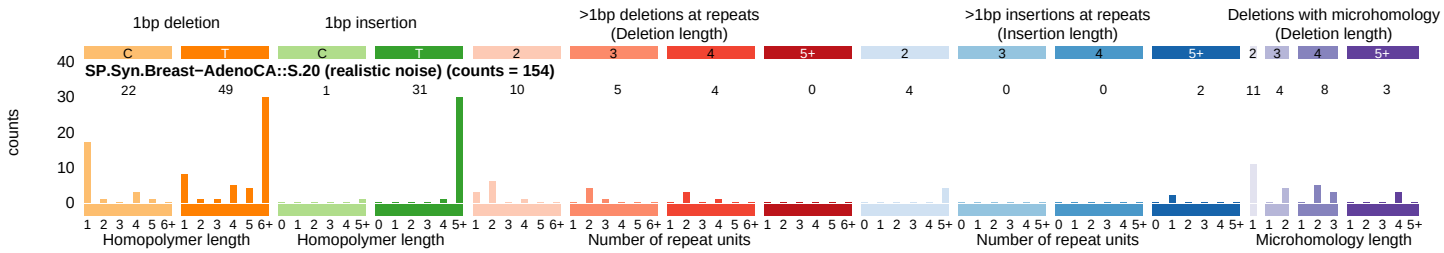
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.19 (realistic noise) (counts = 317)
46 53 5 65 5 3 1 30 3 1 1 2 1 0 2 99
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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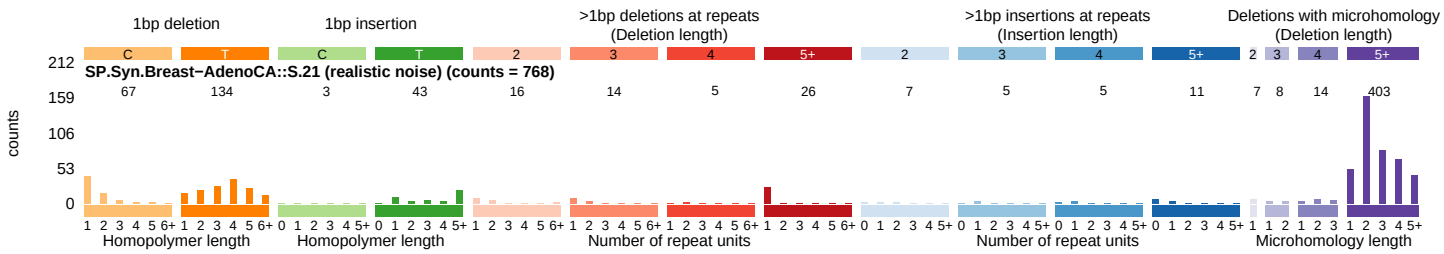
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.20 (realistic noise) (counts = 154)
22 49 1 31 10 5 4 0 4 0 0 2 11 4 8 3
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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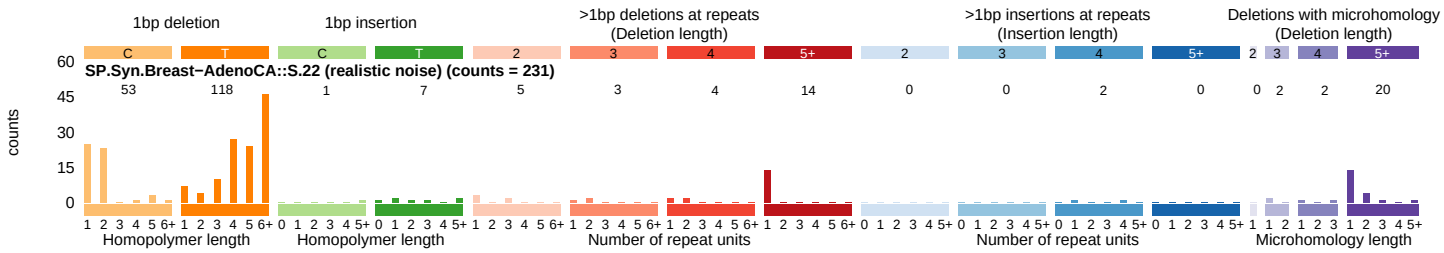
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.21 (realistic noise) (counts = 768)
67 134 3 43 16 14 5 26 7 5 5 11 7 8 14 403
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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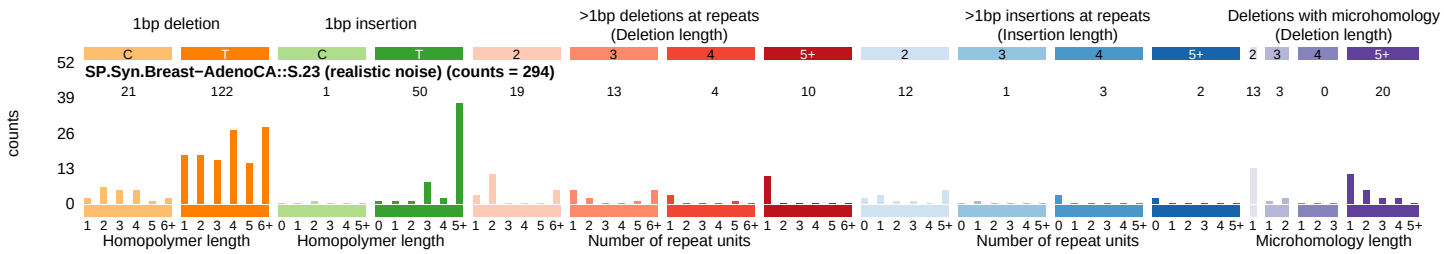
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.22 (realistic noise) (counts = 231)
53 118 1 7 5 3 4 14 0 0 2 0 0 2 2 20
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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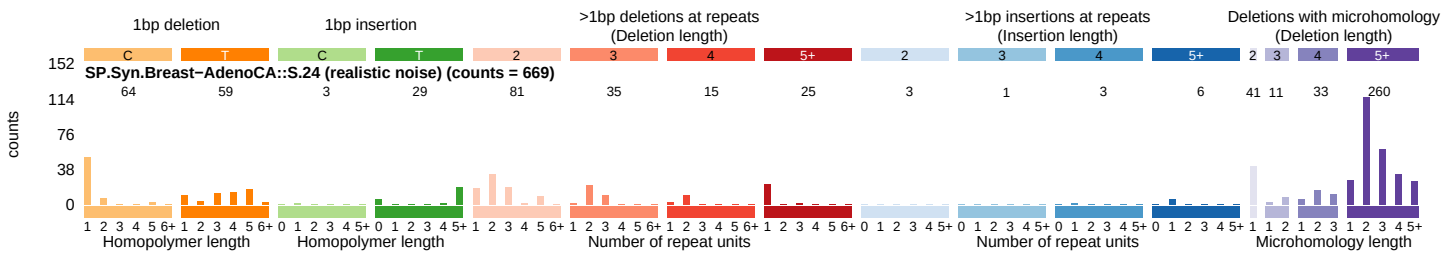
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.23 (realistic noise) (counts = 294)
21 122 1 50 19 13 4 10 12 1 3 2 13 3 0 20
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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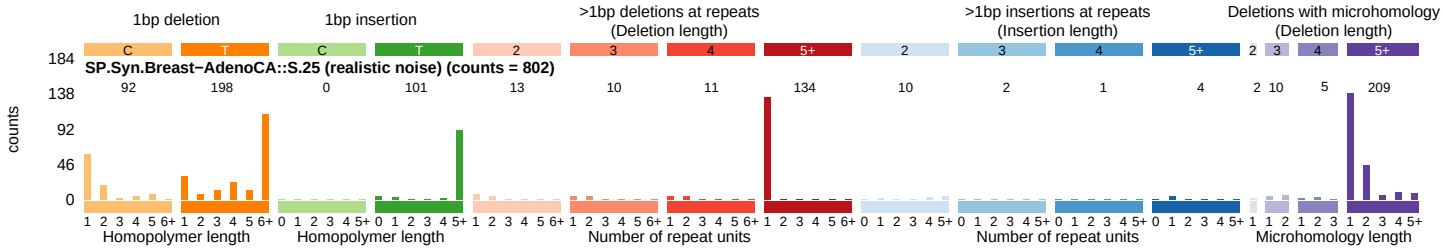
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.24 (realistic noise) (counts = 669)
64 59 3 29 81 35 15 25 3 1 3 6 41 11 33 260
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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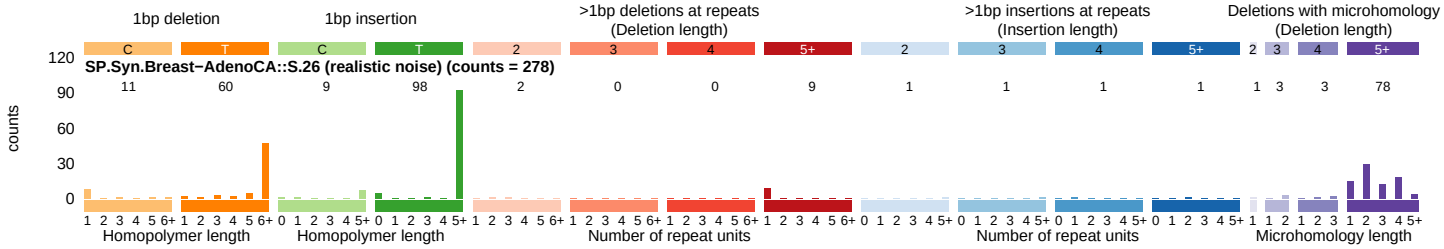
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.25 (realistic noise) (counts = 802)
92 198 0 101 13 10 11 134 10 2 1 4 2 10 5 209
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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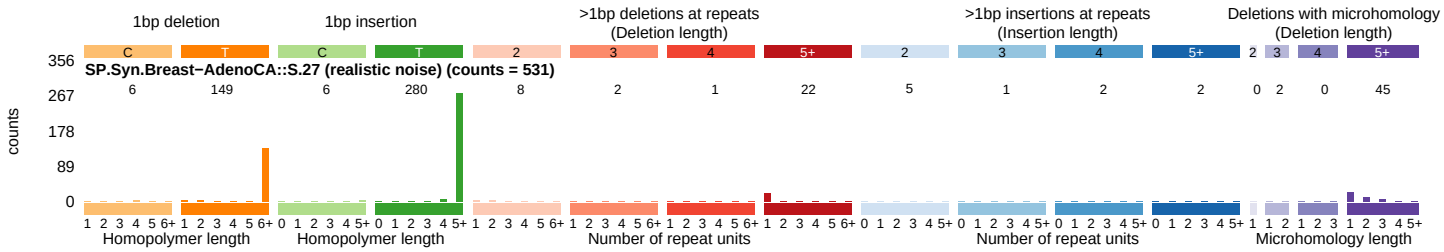
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.26 (realistic noise) (counts = 278)
11 60 9 98 2 0 0 9 1 1 1 1 1 3 3 78
counts
Homopolymer length
Number of repeat units
Microhomology length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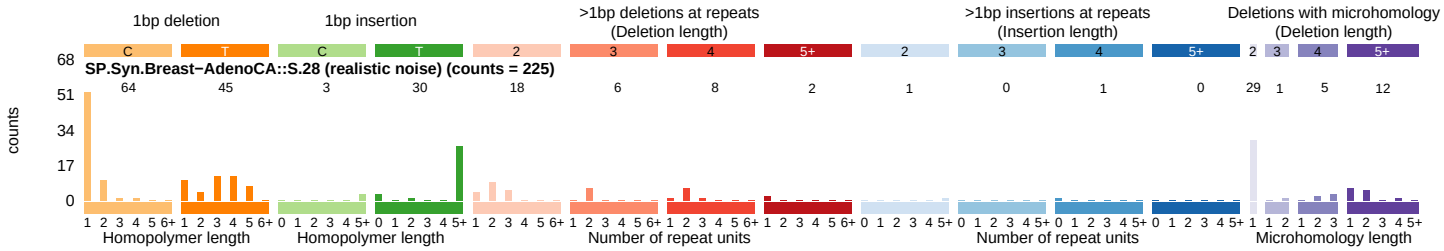
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.27 (realistic noise) (counts = 531)
6 149 6 280 8 2 1 22 5 1 2 2 0 2 0 45
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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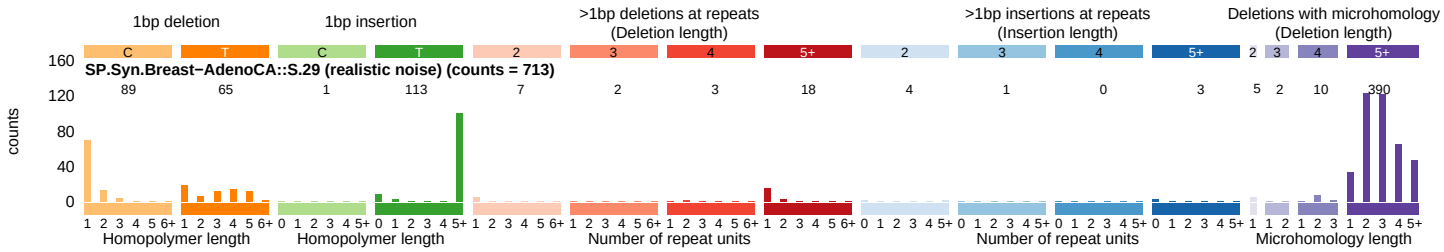
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.28 (realistic noise) (counts = 225)
64 45 3 30 18 6 8 2 1 0 1 0 29 1 5 12
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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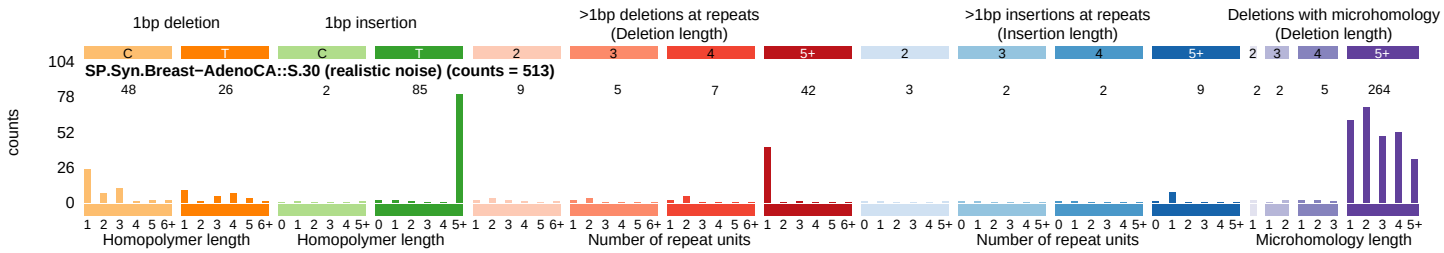
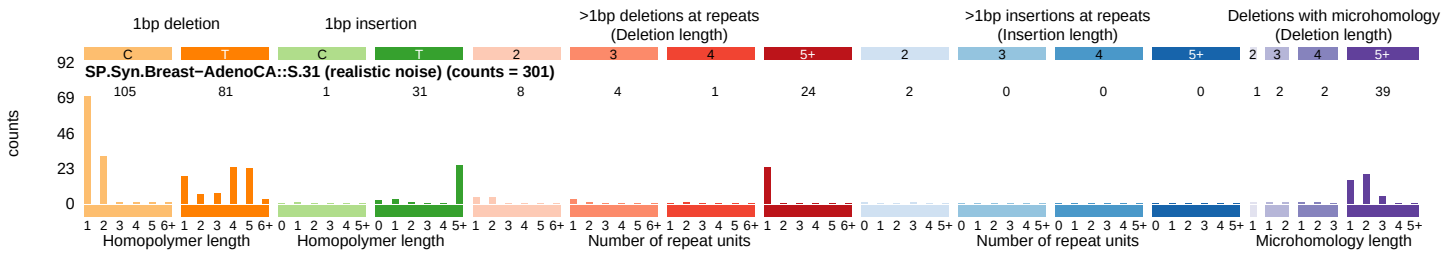
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.29 (realistic noise) (counts = 713)
89 65 1 113 7 2 3 18 4 1 0 3 5 2 10 390
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.30 (realistic noise) (counts = 513)
48 26 2 85 9 5 7 42 3 2 2 9 2 2 5 264
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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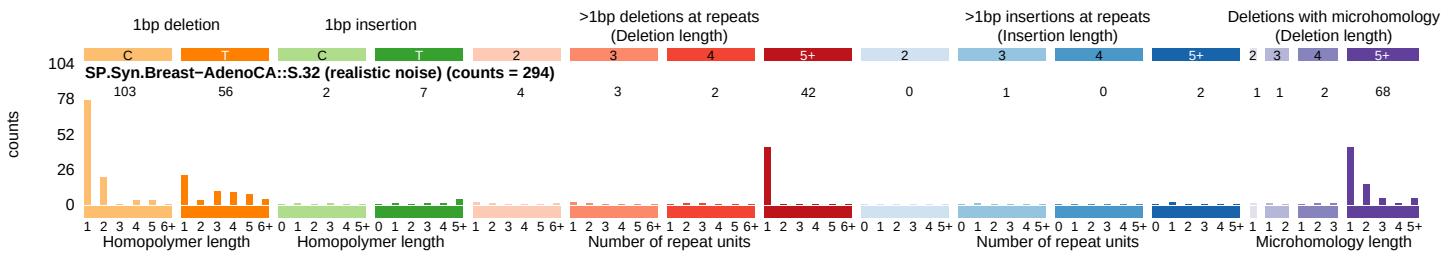
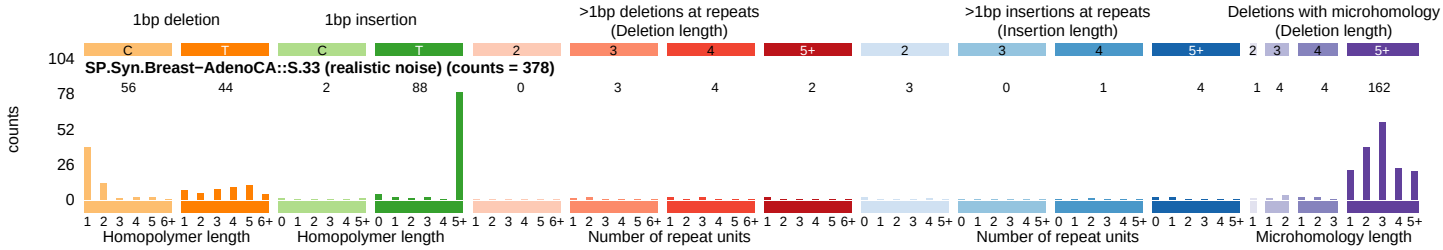
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.31 (realistic noise) (counts = 301)
105 81 1 31 8 4 1 24 2 0 0 0 1 2 2 39
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.32 (realistic noise) (counts = 294)
103 56 2 7 4 3 2 42 0 1 0 2 1 1 2 68
counts
Homopolymer length
Number of repeat units
Microhomology length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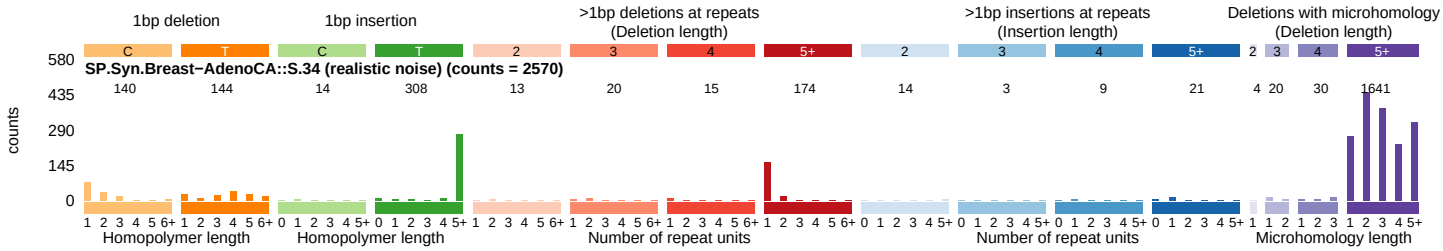
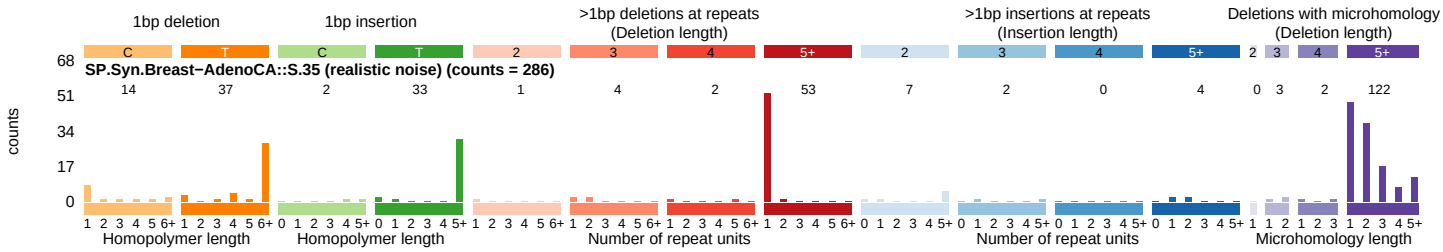
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.33 (realistic noise) (counts = 378)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.34 (realistic noise) (counts = 2570)
counts
Homopolymer length
Number of repeat units
Microhomology length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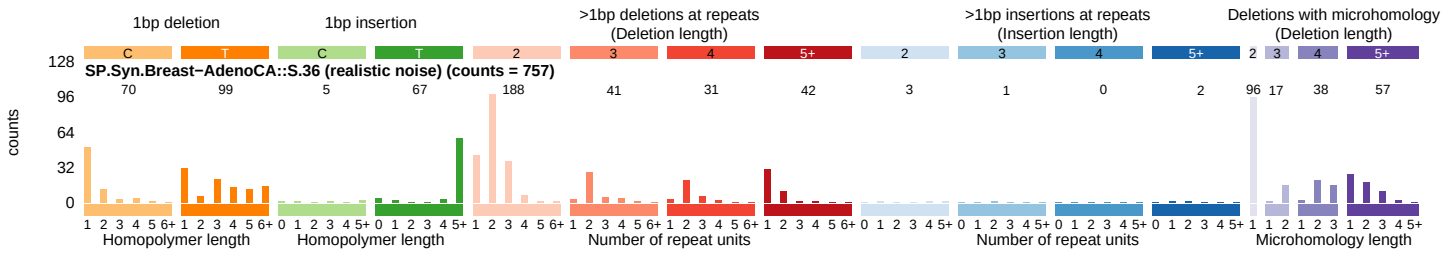
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.35 (realistic noise) (counts = 286)
counts
Homopolymer length
Number of repeat units
Microhomology length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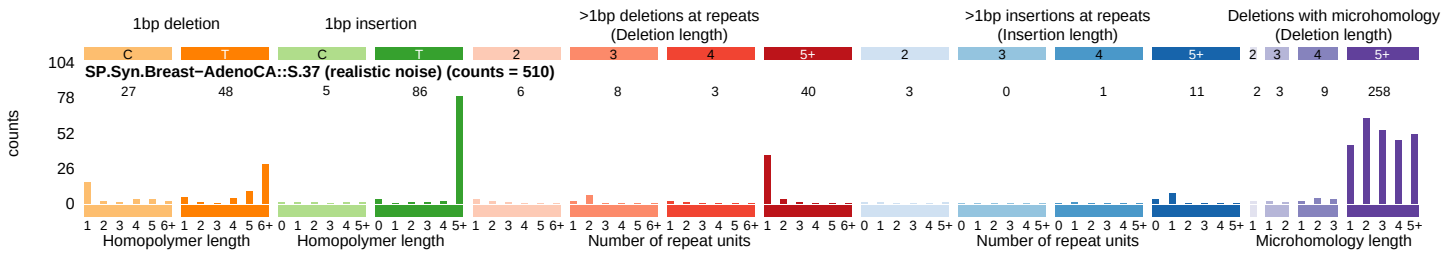
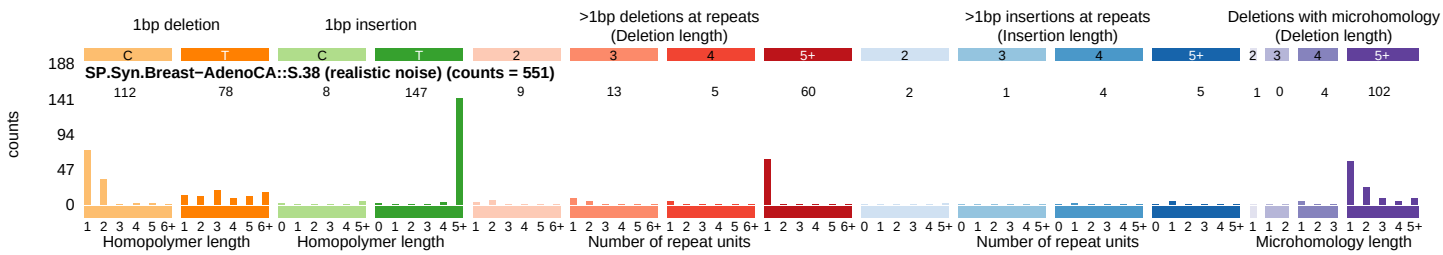
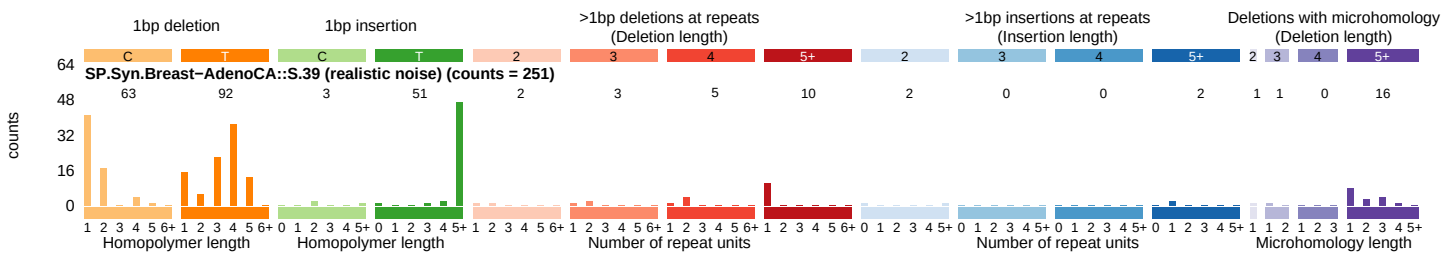
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.36 (realistic noise) (counts = 757)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.37 (realistic noise) (counts = 510)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.38 (realistic noise) (counts = 551)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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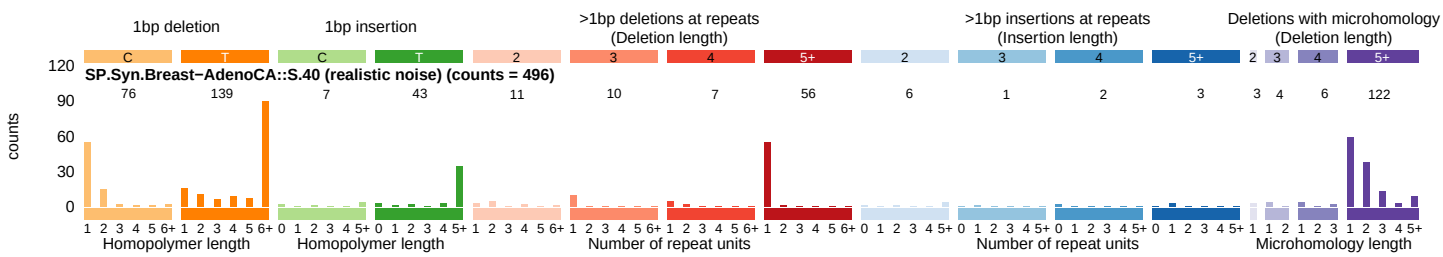
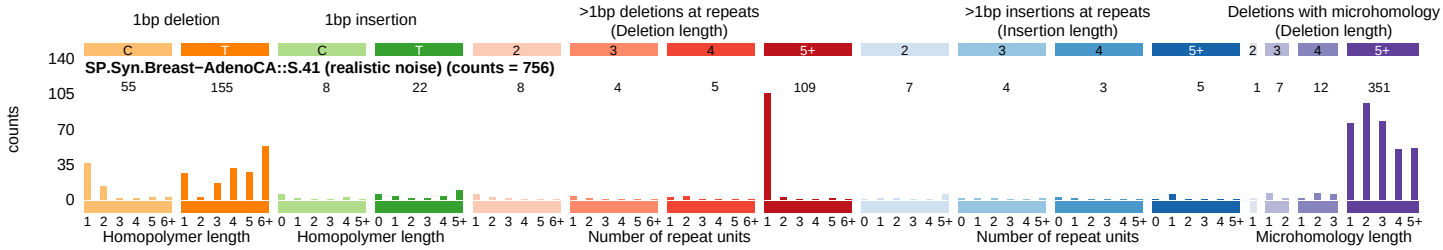
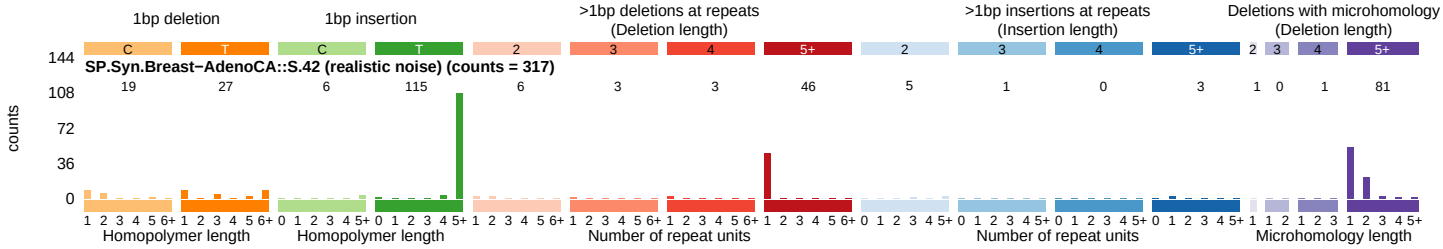
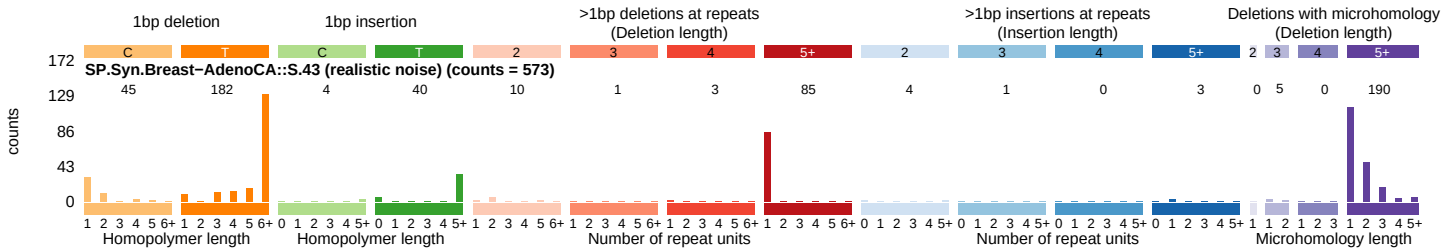
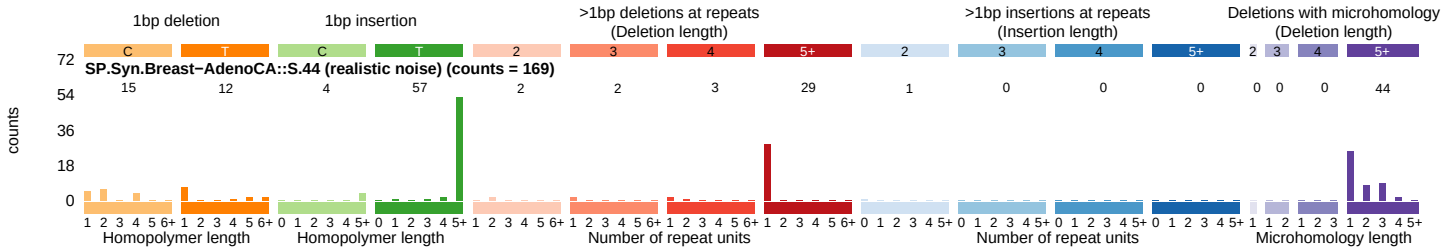
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.39 (realistic noise) (counts = 251)
counts
Homopolymer length
Number of repeat units
Microhomology length

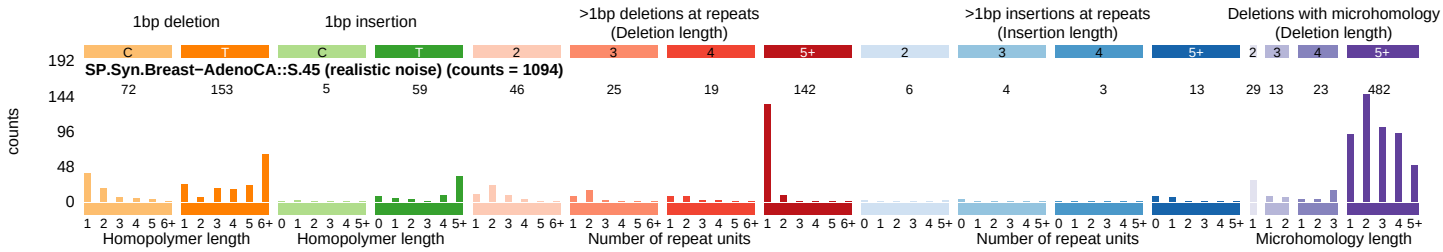

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.40 (realistic noise) (counts = 496)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.41 (realistic noise) (counts = 756)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.42 (realistic noise) (counts = 317)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.43 (realistic noise) (counts = 573)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.44 (realistic noise) (counts = 169)
counts
Homopolymer length
Number of repeat units
Microhomology length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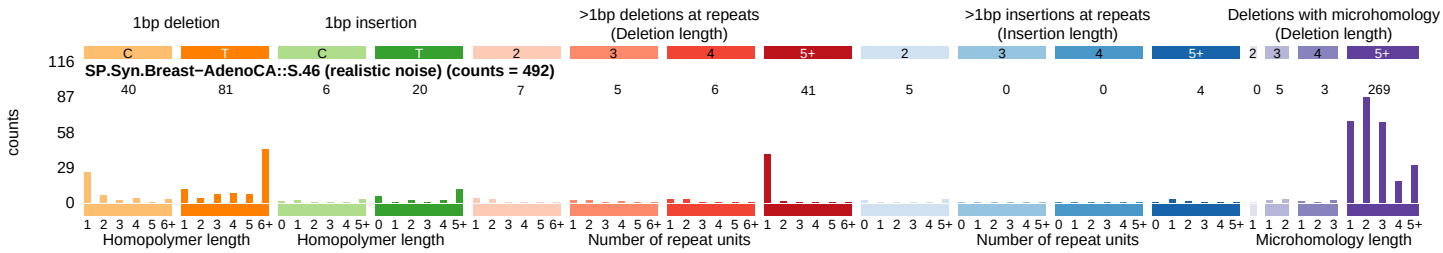
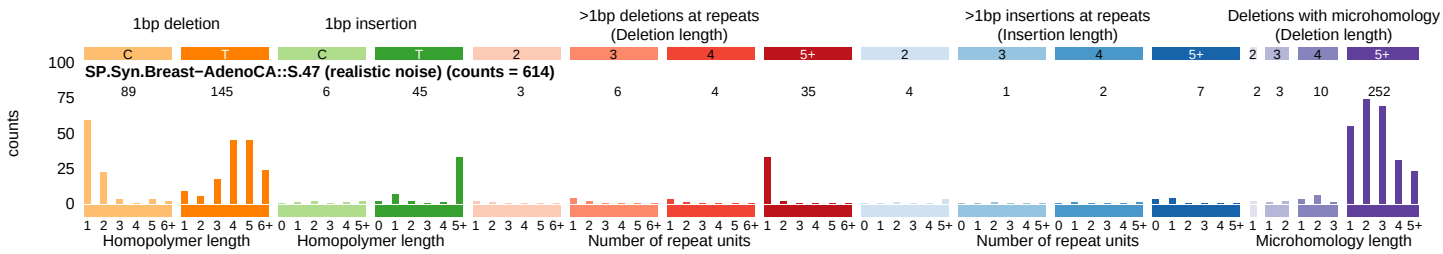
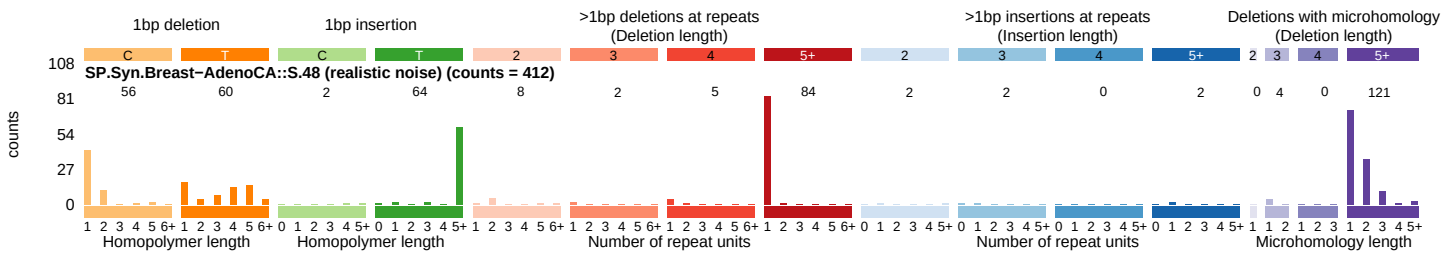
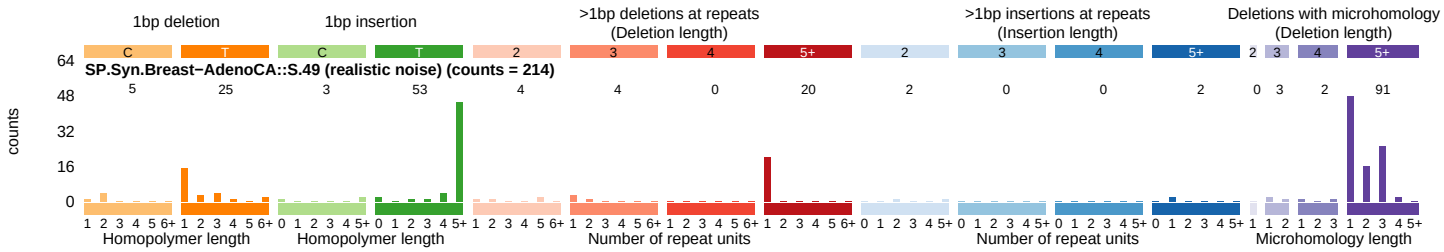
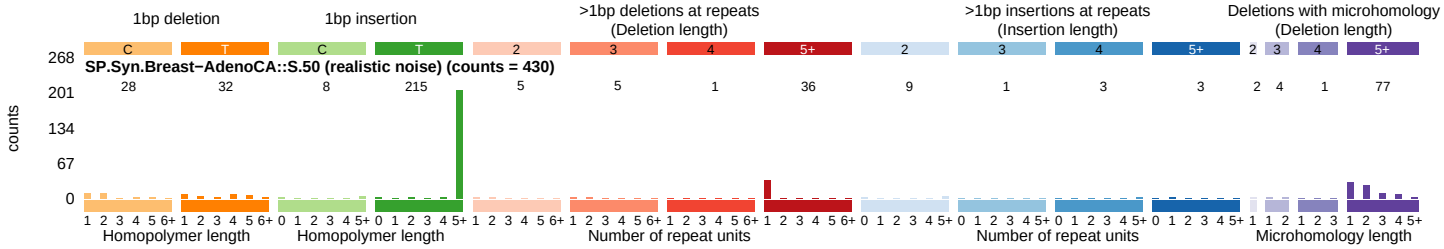
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.45 (realistic noise) (counts = 1094)
counts
Homopolymer length
Number of repeat units
Microhomology length

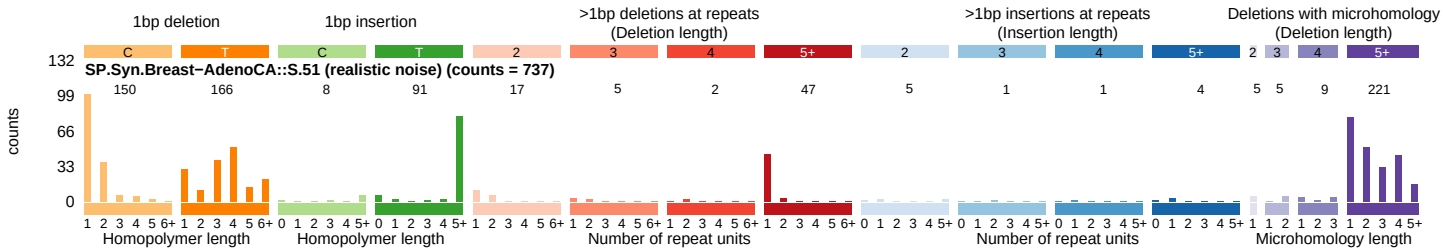

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.46 (realistic noise) (counts = 492)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.47 (realistic noise) (counts = 614)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.48 (realistic noise) (counts = 412)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.49 (realistic noise) (counts = 214)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.50 (realistic noise) (counts = 430)
counts
Homopolymer length
Number of repeat units
Microhomology length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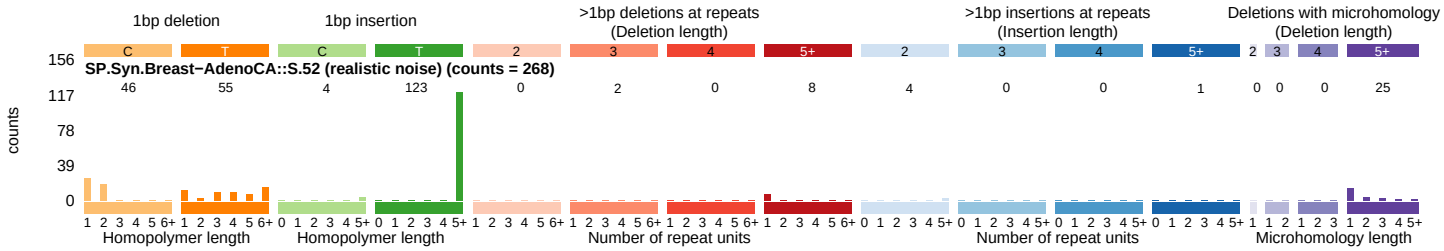
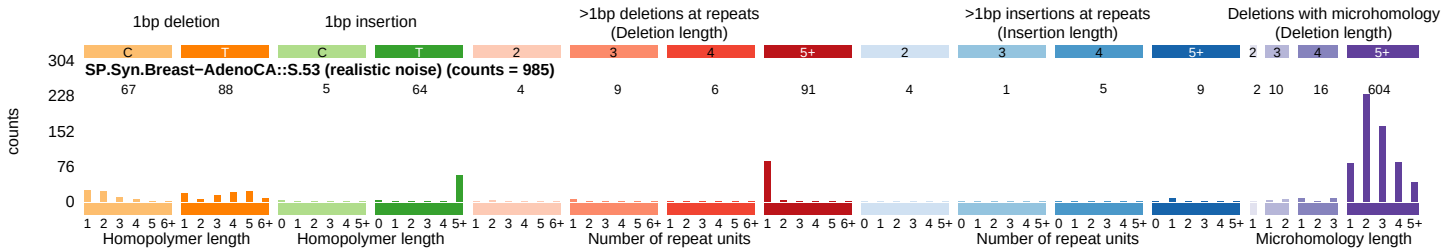
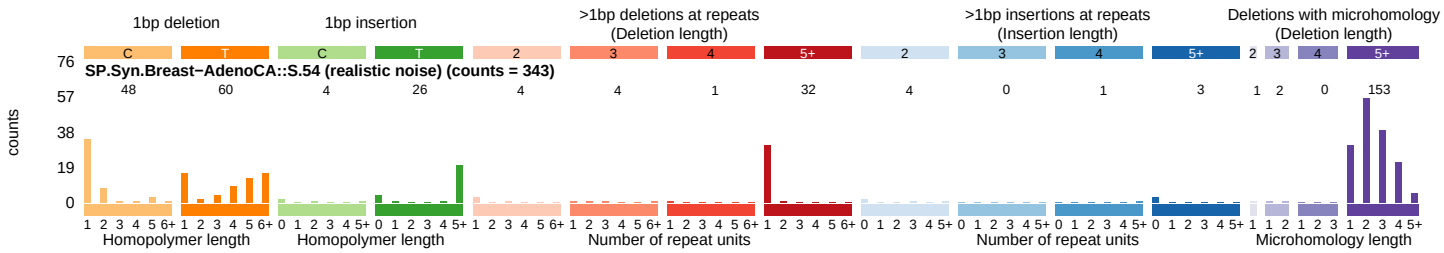
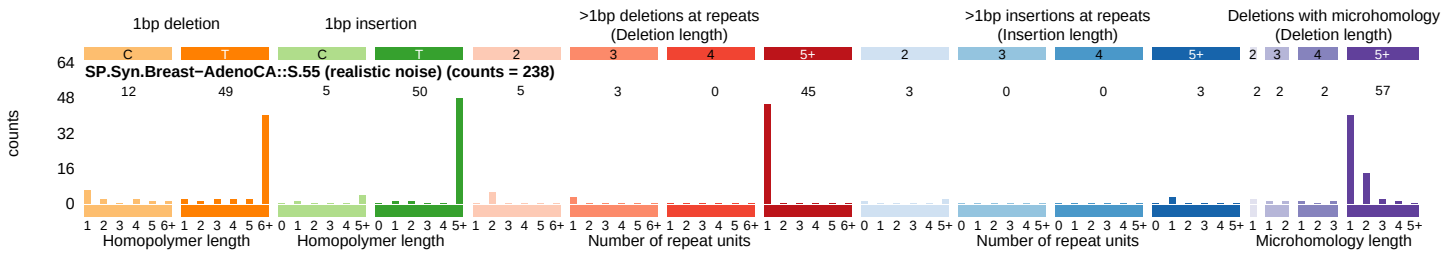
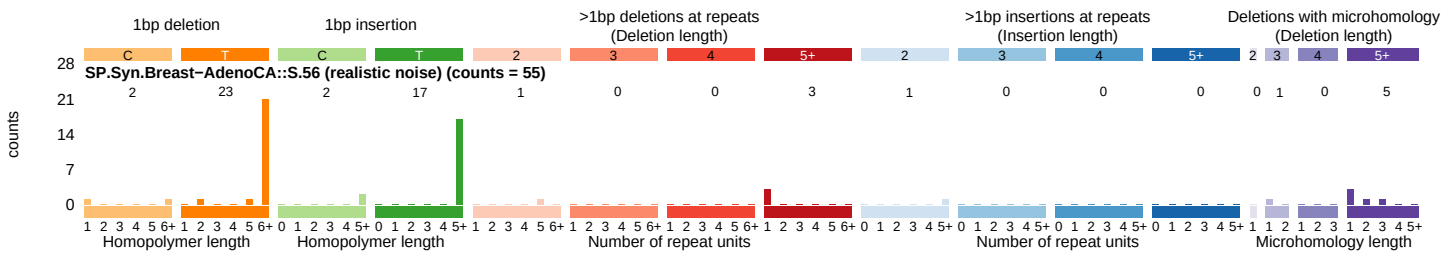
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.51 (realistic noise) (counts = 737)
counts
Homopolymer length
Number of repeat units
Microhomology length

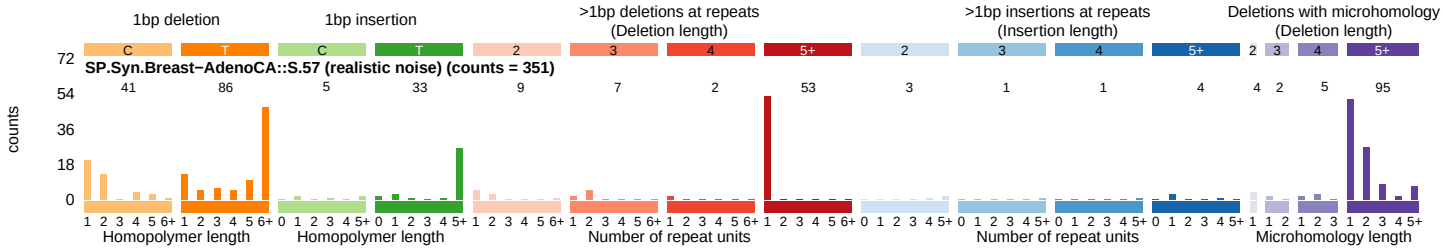

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.52 (realistic noise) (counts = 268)
counts
Homopolymer length
Number of repeat units
Microhomology length

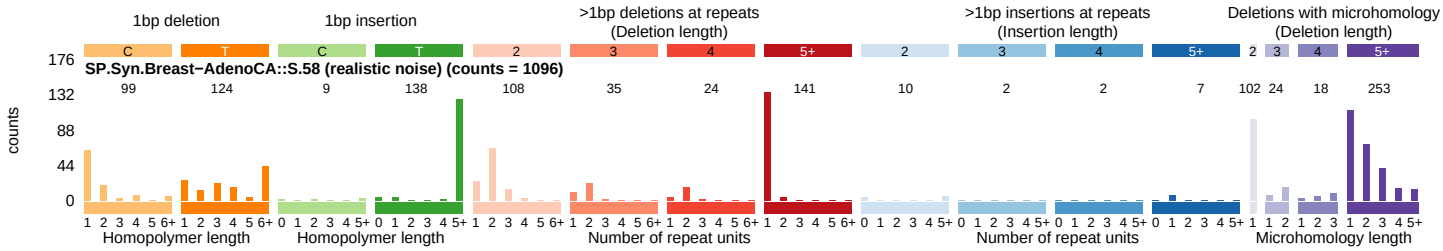

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.53 (realistic noise) (counts = 985)
counts
Homopolymer length
Number of repeat units
Microhomology length

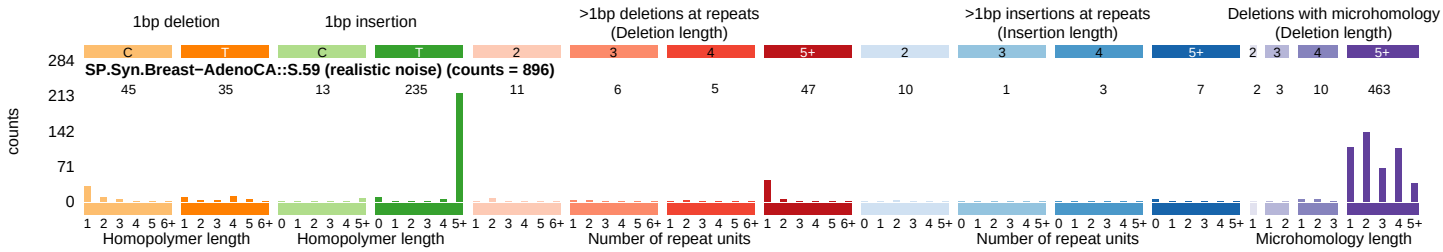

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.54 (realistic noise) (counts = 343)
counts
Homopolymer length
Number of repeat units
Microhomology length

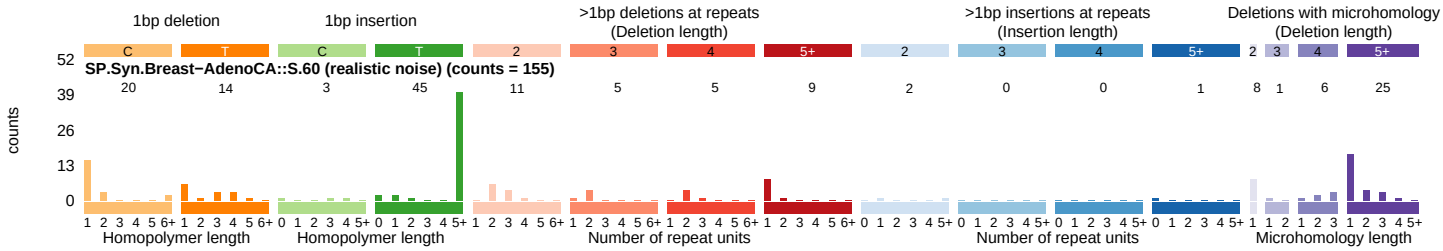

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.55 (realistic noise) (counts = 238)
counts
Homopolymer length
Number of repeat units
Microhomology length

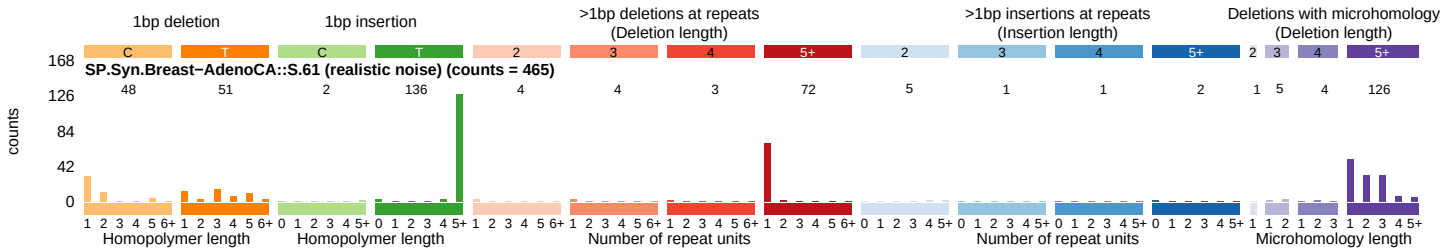

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.56 (realistic noise) (counts = 55)
counts
Homopolymer length
Number of repeat units
Microhomology length

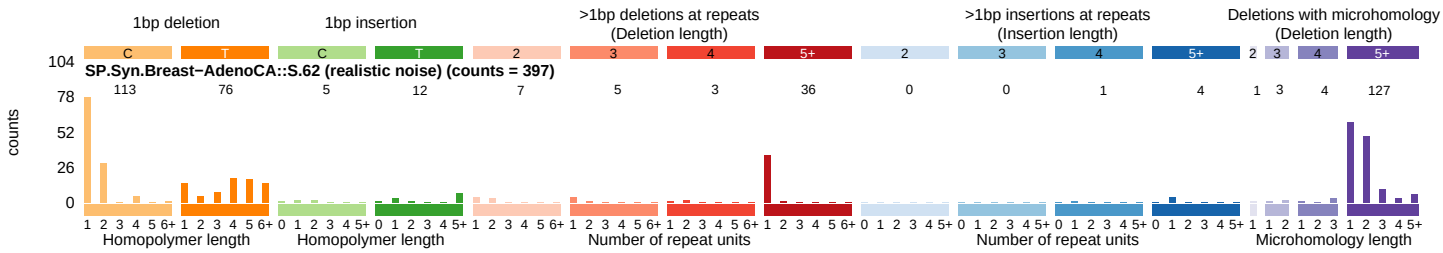

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.57 (realistic noise) (counts = 351)
counts
Homopolymer length
Number of repeat units
Microhomology length

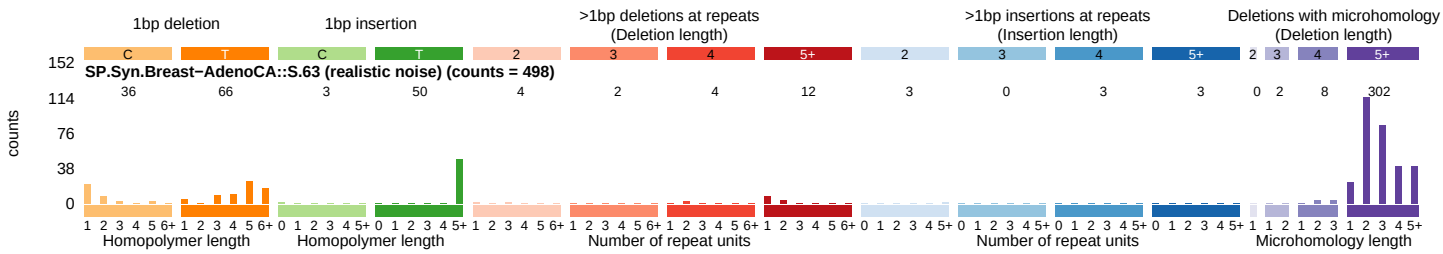

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.58 (realistic noise) (counts = 1096)
counts
Homopolymer length
Number of repeat units
Microhomology length

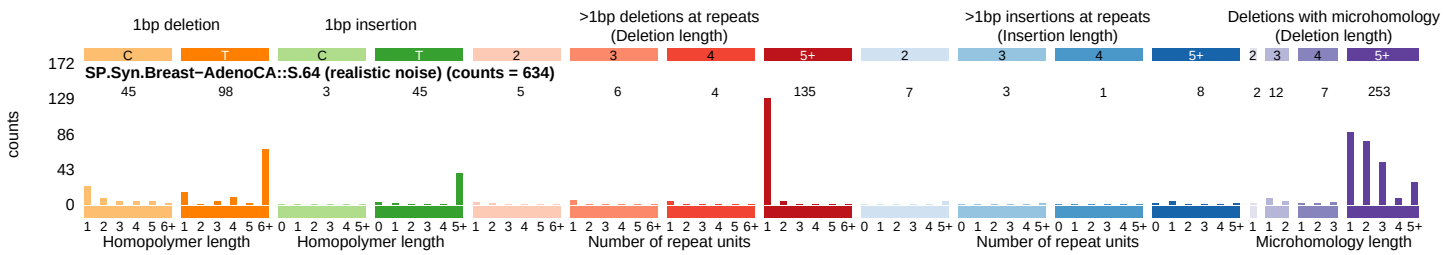

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.59 (realistic noise) (counts = 896)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.60 (realistic noise) (counts = 155)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.61 (realistic noise) (counts = 465)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.62 (realistic noise) (counts = 397)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.63 (realistic noise) (counts = 498)
counts
Homopolymer length
Number of repeat units
Microhomology length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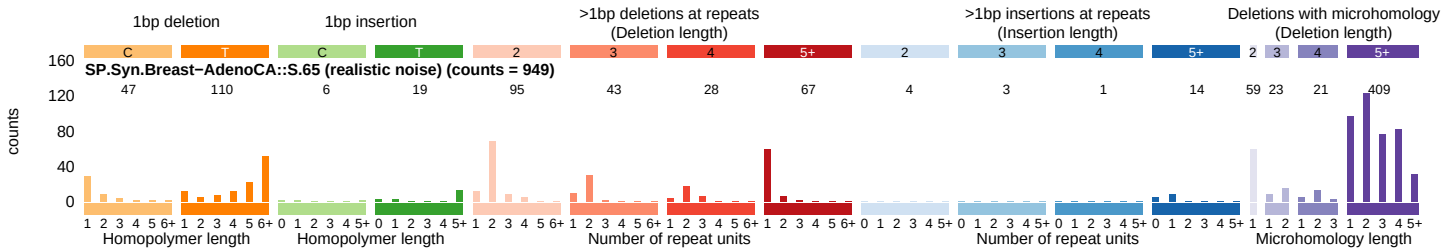
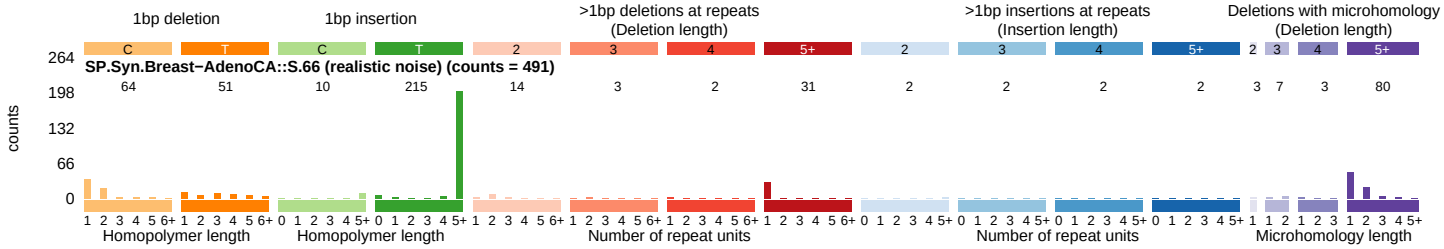
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.64 (realistic noise) (counts = 634)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.65 (realistic noise) (counts = 949)
47 110 6 19 95 43 28 67 4 3 1 14 59 23 21 409
counts
Homopolymer length
Number of repeat units
Microhomology length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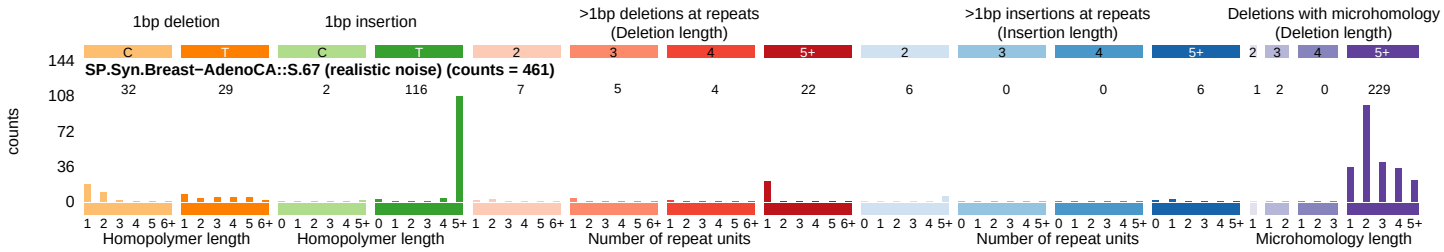
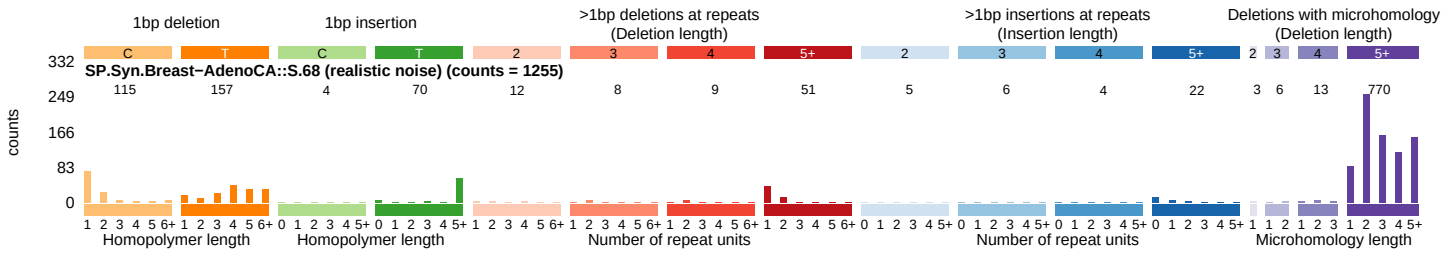
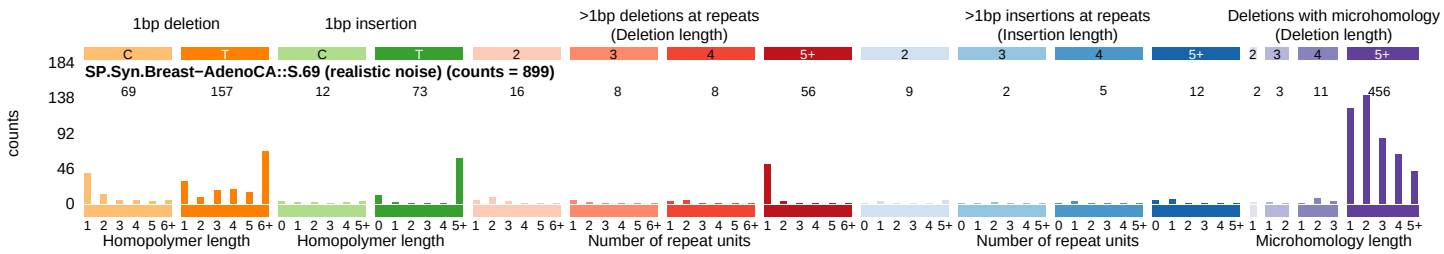
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.66 (realistic noise) (counts = 491)
64 51 10 215 14 3 2 31 2 2 2 2 3 7 3 80
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.67 (realistic noise) (counts = 461)
32 29 2 116 7 5 4 22 6 0 0 6 1 2 0 229
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.68 (realistic noise) (counts = 1255)
115 157 4 70 12 8 9 51 5 6 4 22 3 6 13 770
counts
Homopolymer length
Number of repeat units
Microhomology length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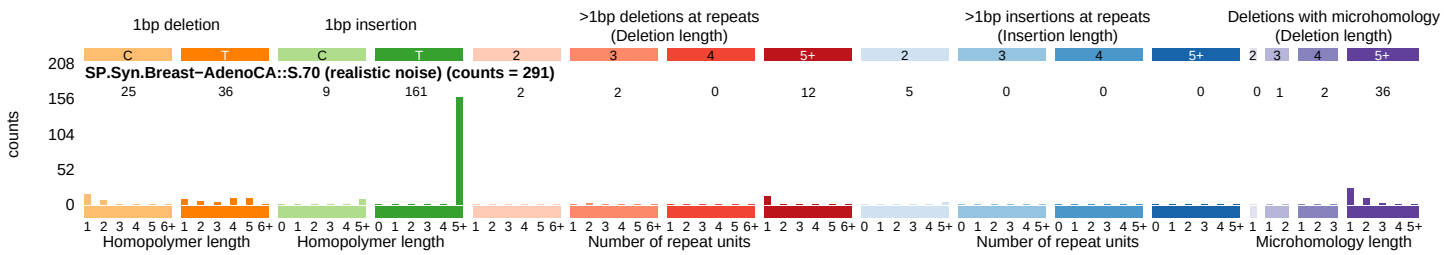
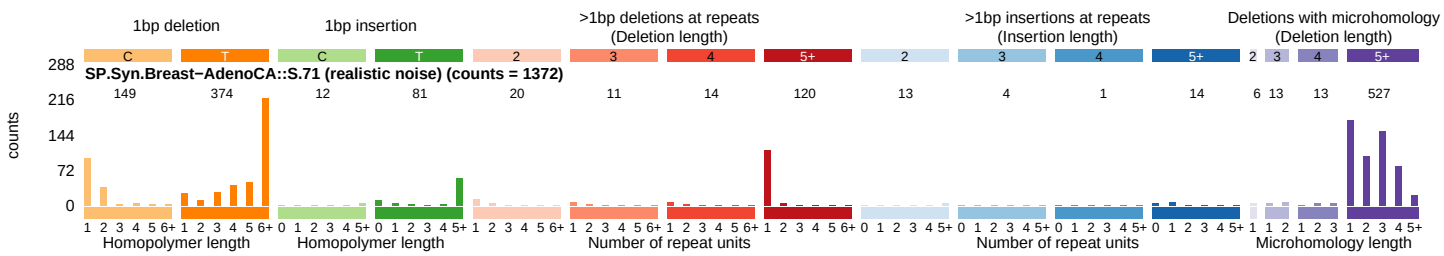
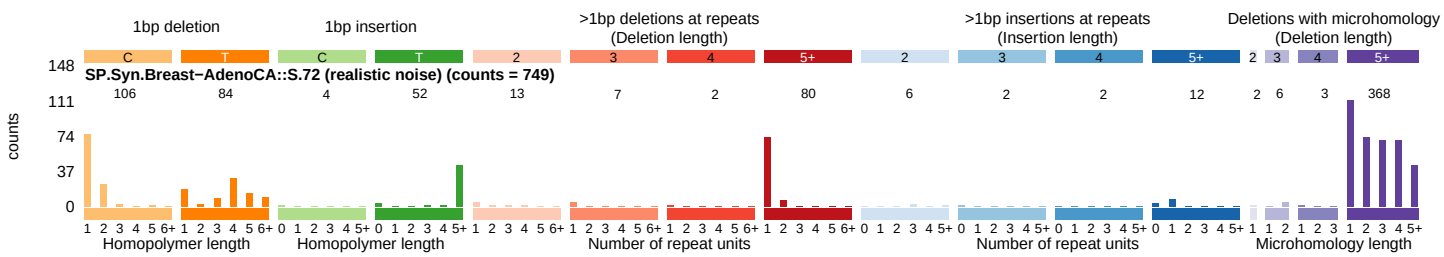
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.69 (realistic noise) (counts = 899)
69 157 12 73 16 8 8 56 9 2 5 12 2 3 11 456
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.70 (realistic noise) (counts = 291)
25 36 9 161 2 2 0 12 5 0 0 0 0 1 2 36
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.71 (realistic noise) (counts = 1372)
149 374 12 81 20 11 14 120 13 4 1 14 6 13 13 527
counts
Homopolymer length
Number of repeat units
Microhomology length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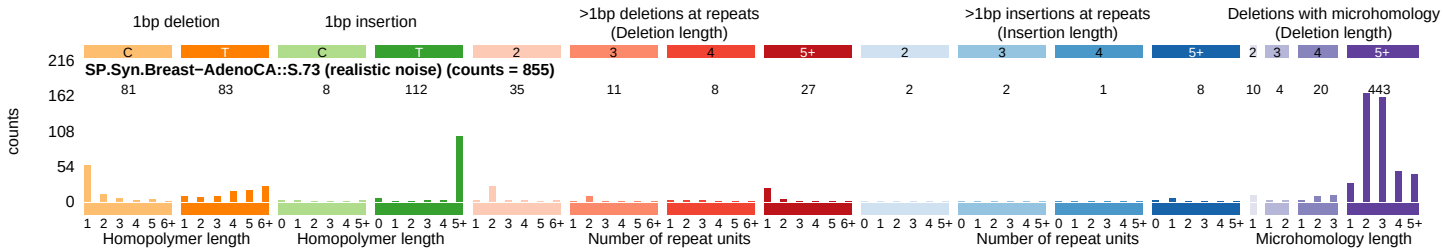
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.72 (realistic noise) (counts = 749)
106 84 4 52 13 7 2 80 6 2 2 12 2 6 3 368
counts
Homopolymer length
Number of repeat units
Microhomology length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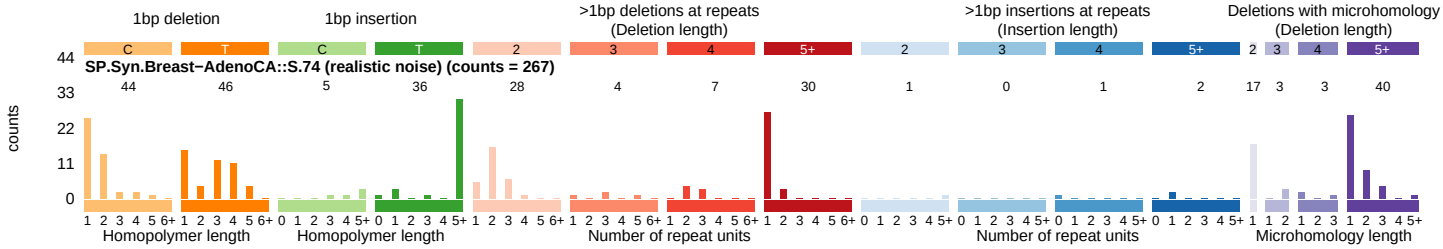
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.73 (realistic noise) (counts = 855)
81 83 8 112 35 11 8 27 2 2 1 8 10 4 20 443
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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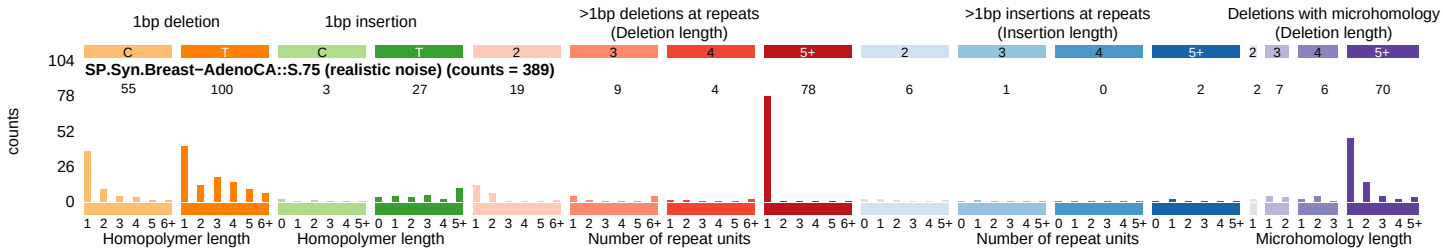
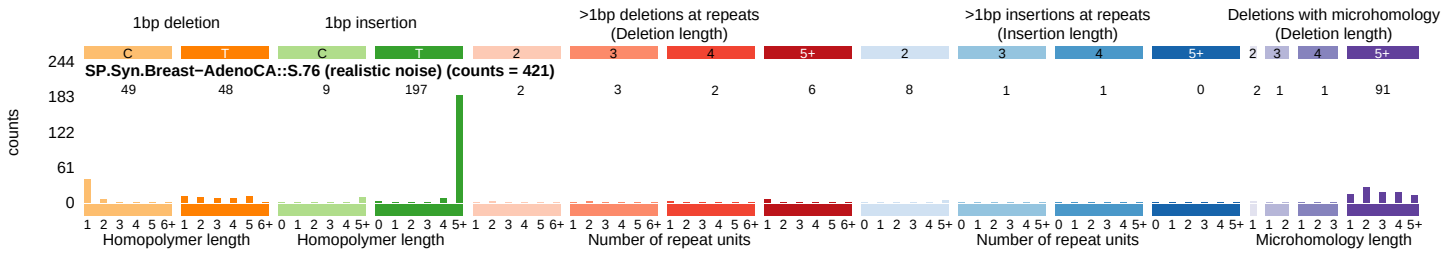
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.74 (realistic noise) (counts = 267)
44 46 5 36 28 4 7 30 1 0 1 2 17 3 3 40
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.75 (realistic noise) (counts = 389)
55 100 3 27 19 9 4 78 6 1 0 2 2 7 6 70
counts
Homopolymer length
Number of repeat units
Microhomology length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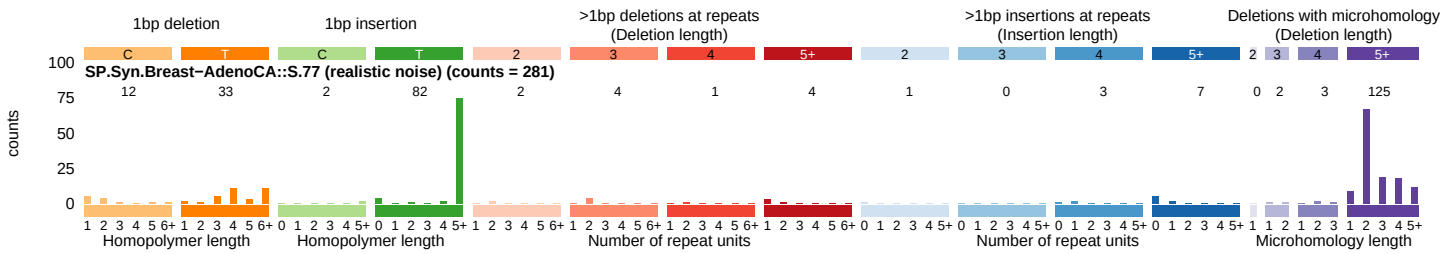
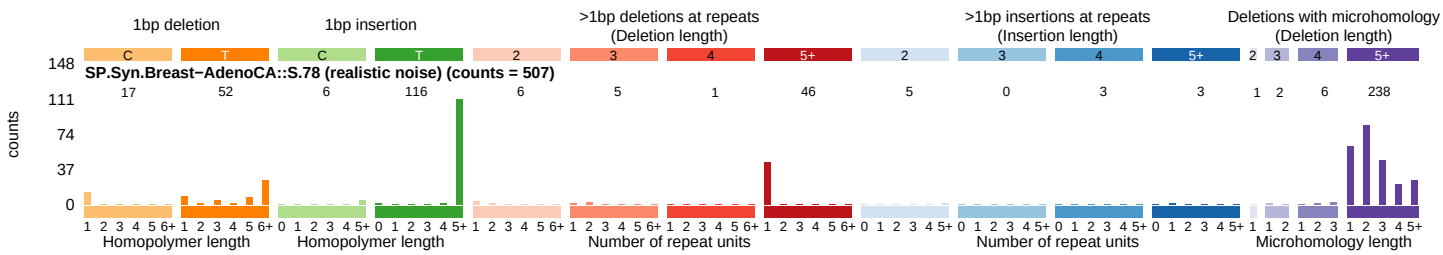
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.76 (realistic noise) (counts = 421)
49 48 9 197 2 3 2 6 8 1 1 0 2 1 1 91
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.77 (realistic noise) (counts = 281)
12 33 2 82 2 4 1 4 1 0 3 7 0 2 3 125
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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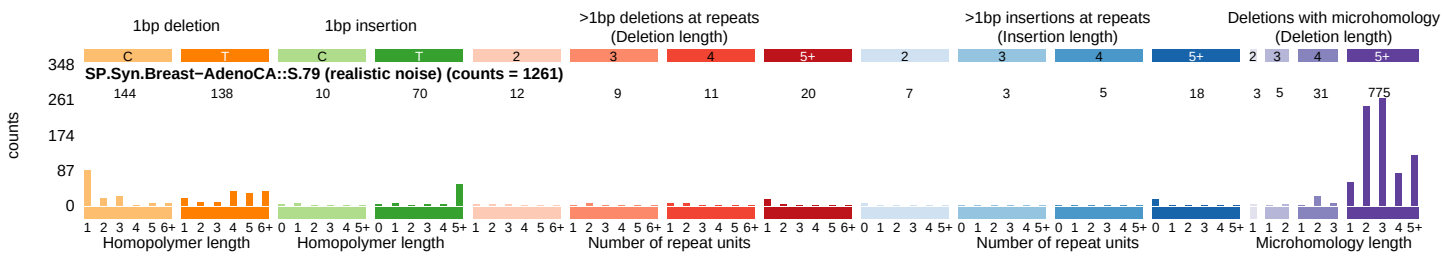
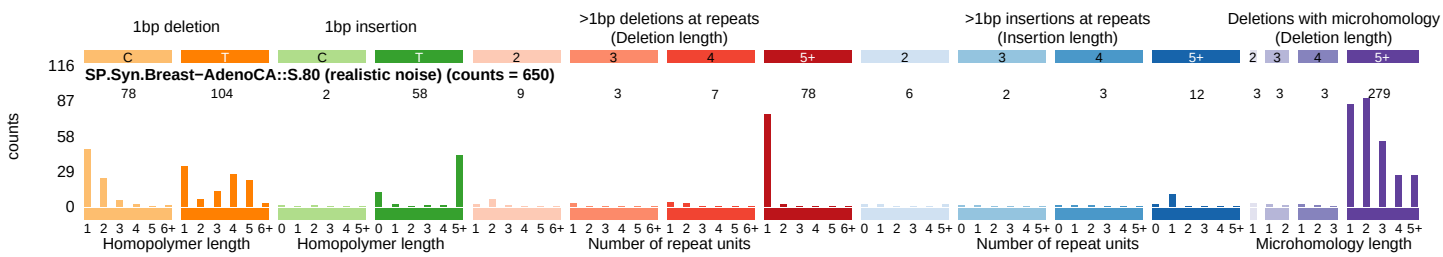
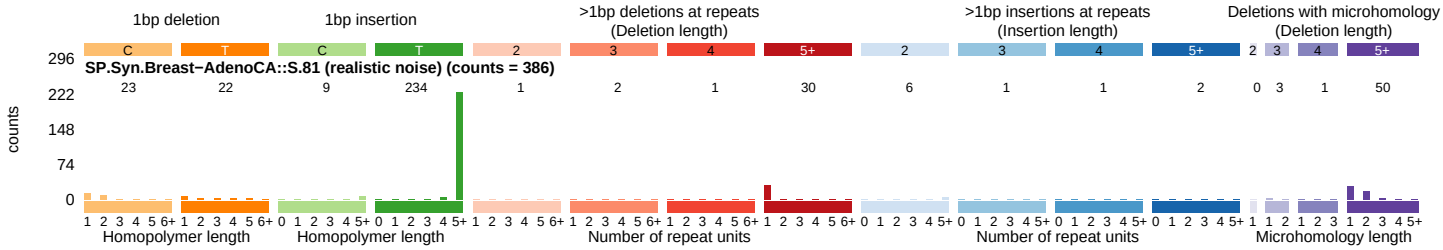
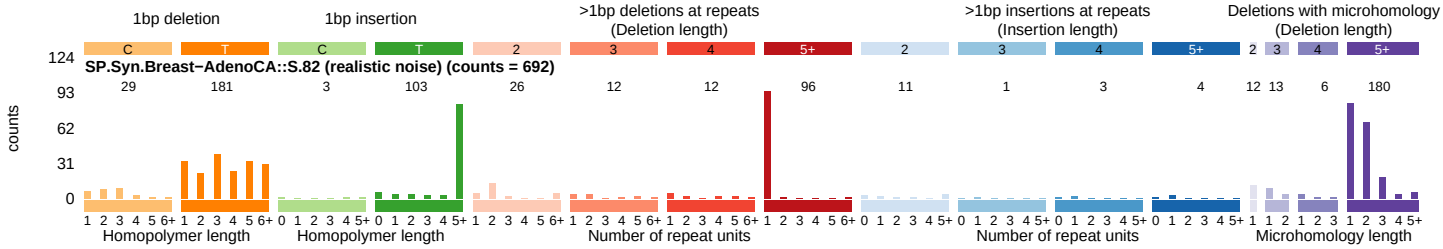
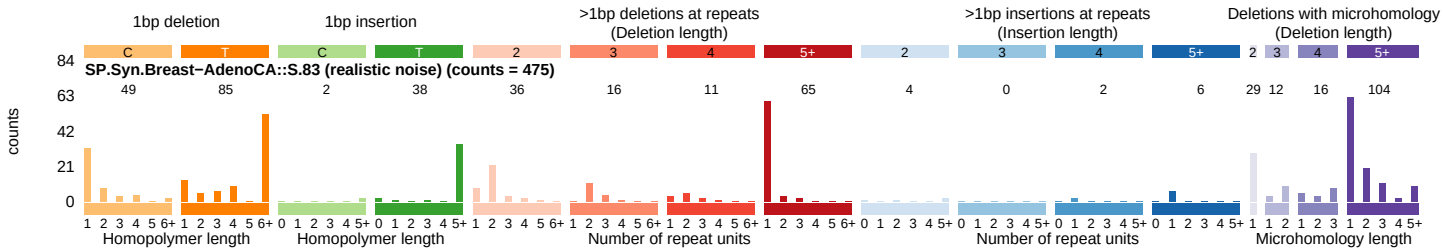
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.78 (realistic noise) (counts = 507)
17 52 6 116 6 5 1 46 5 0 3 3 1 2 6 238
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.79 (realistic noise) (counts = 1261)
144 138 10 70 12 9 11 20 7 3 5 18 3 5 31 775
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.80 (realistic noise) (counts = 650)
78 104 2 58 9 3 7 78 6 2 3 12 3 3 3 279
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.81 (realistic noise) (counts = 386)
23 22 9 234 1 2 1 30 6 1 1 2 0 3 1 50
counts
296 222 148 74 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.82 (realistic noise) (counts = 692)
29 181 3 103 26 12 12 96 11 1 3 4 12 13 6 180
counts
124 93 62 31 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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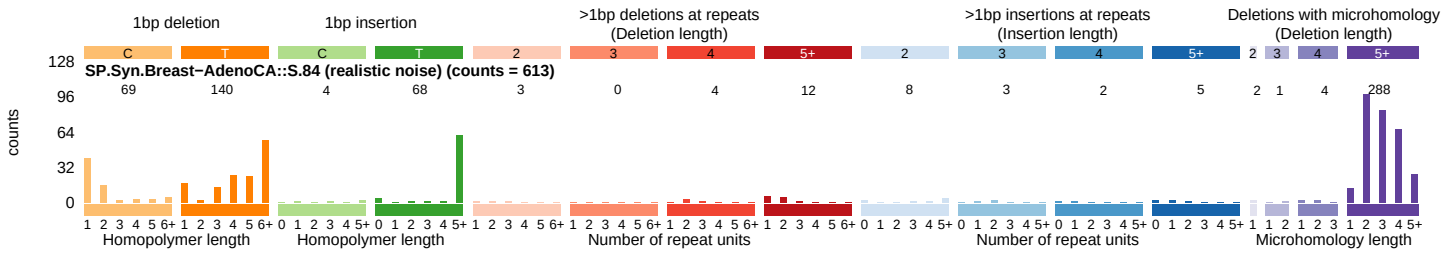
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.83 (realistic noise) (counts = 475)
49 85 2 38 36 16 11 65 4 0 2 6 29 12 16 104
counts
84 63 42 21 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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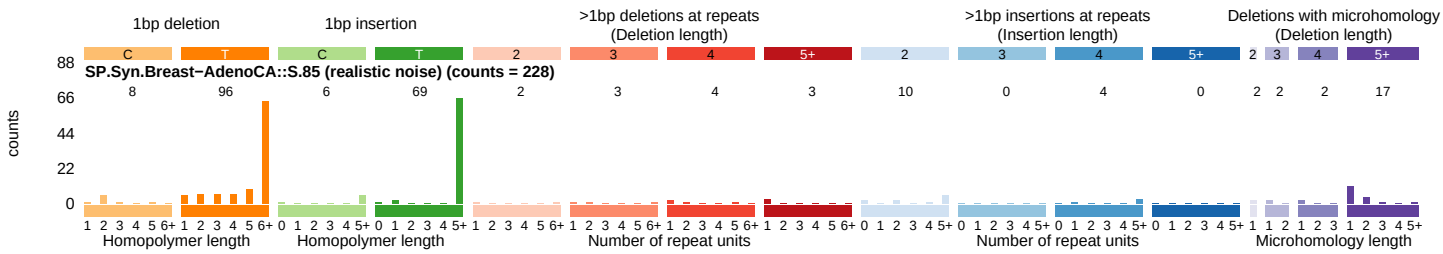
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.84 (realistic noise) (counts = 613)
69 140 4 68 3 0 4 12 8 3 2 5 2 1 4 288
counts
128 96 64 32 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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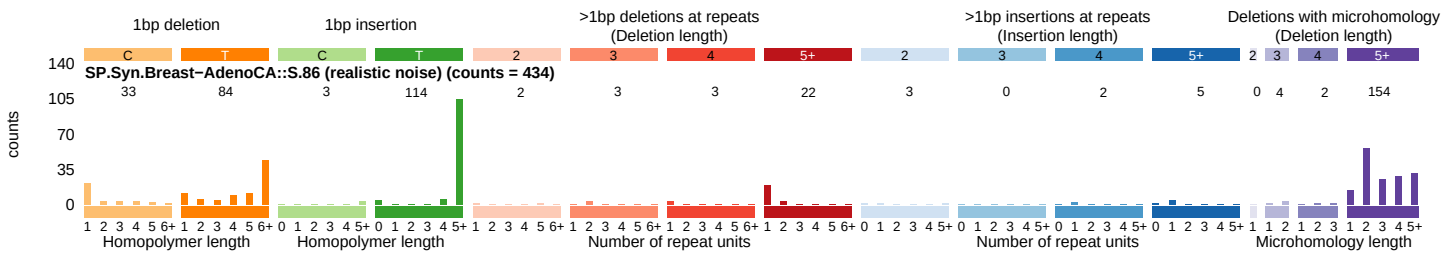
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.85 (realistic noise) (counts = 228)
8 96 6 69 2 3 4 3 10 0 4 0 2 2 2 17
counts
88 66 44 22 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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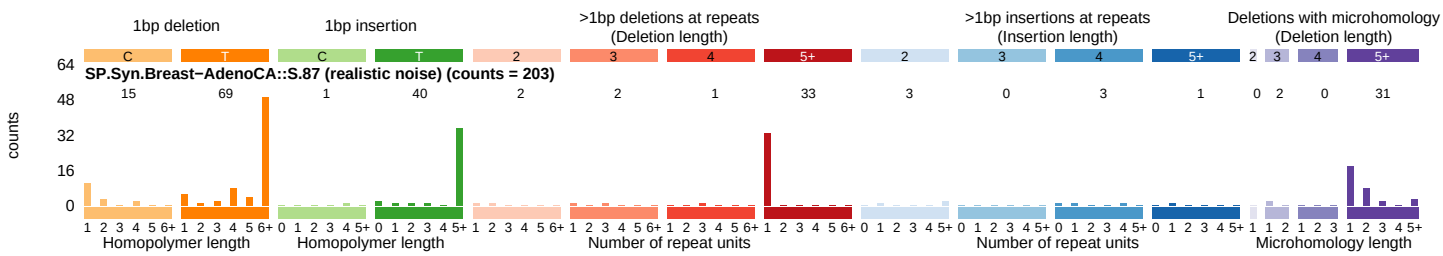
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.86 (realistic noise) (counts = 434)
33 84 3 114 2 3 3 22 3 0 2 5 0 4 2 154
counts
140 105 70 35 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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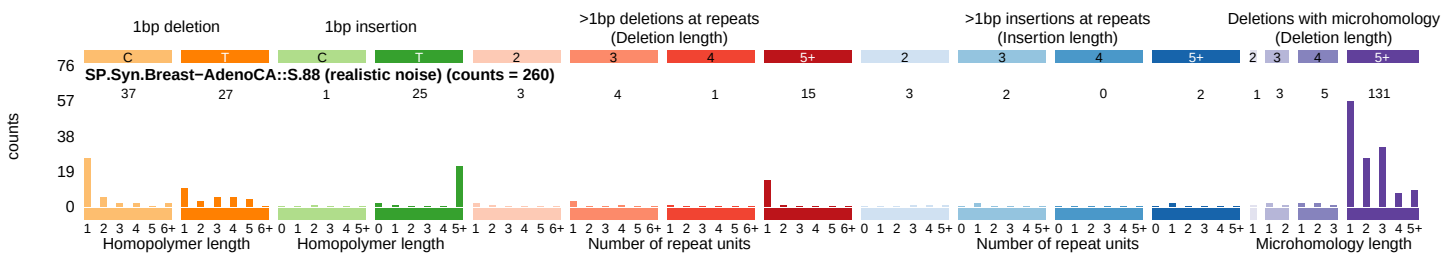
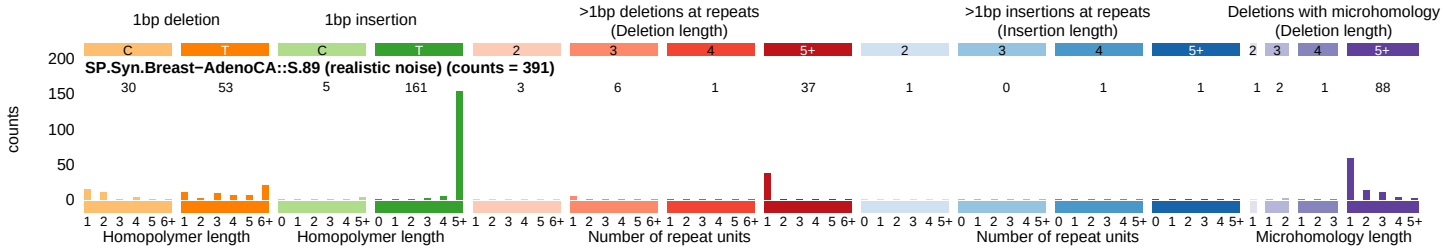
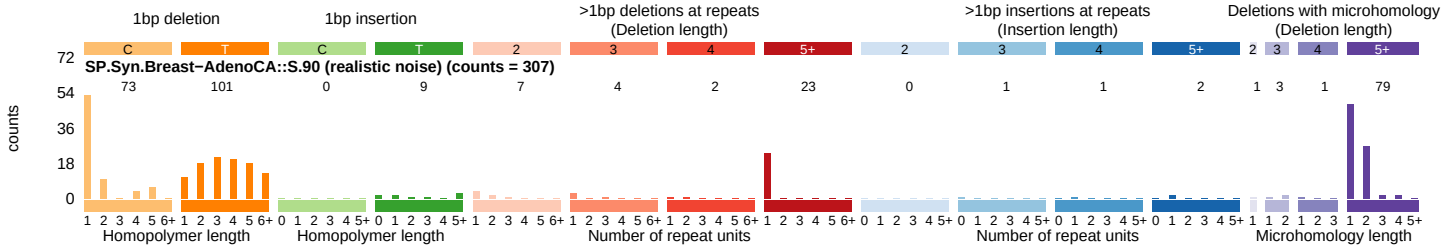
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.87 (realistic noise) (counts = 203)
15 69 1 40 2 2 1 33 3 0 3 1 0 2 0 31
counts
64 48 32 16 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.88 (realistic noise) (counts = 260)
37 27 1 25 3 4 1 15 3 2 0 2 1 3 5 131
counts
76 57 38 19 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.89 (realistic noise) (counts = 391)
30 53 5 161 3 6 1 37 1 0 1 1 1 2 1 88
counts
Homopolymer length
Number of repeat units
Microhomology length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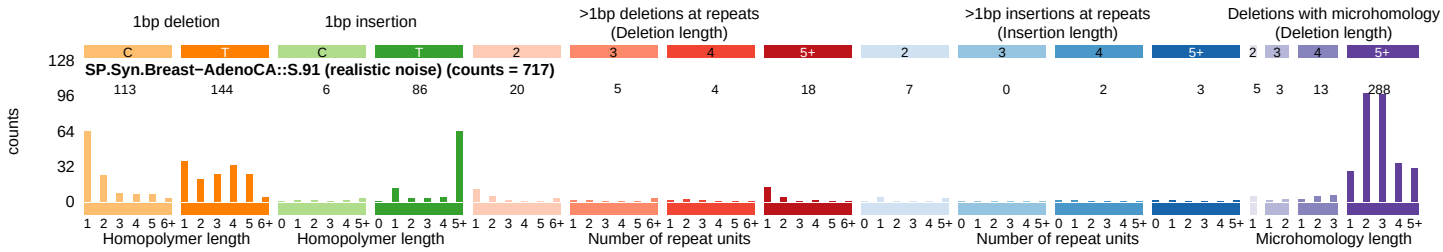
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.90 (realistic noise) (counts = 307)
73 101 0 9 7 4 2 23 0 1 1 2 1 3 1 79
counts
Homopolymer length
Number of repeat units
Microhomology length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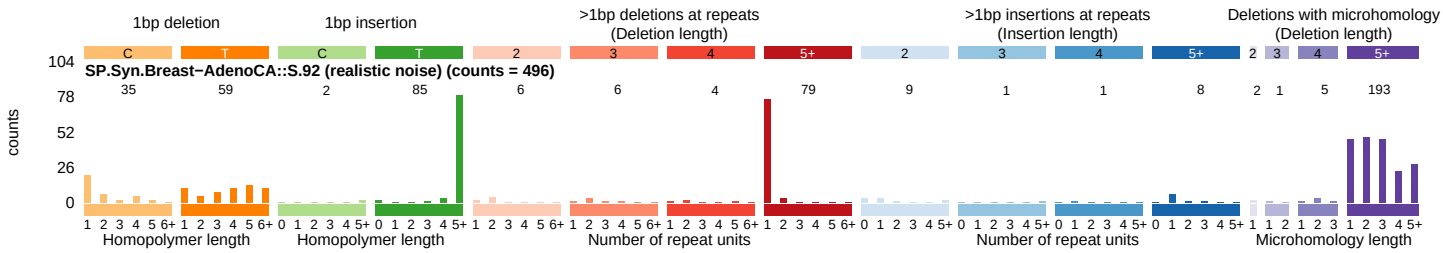
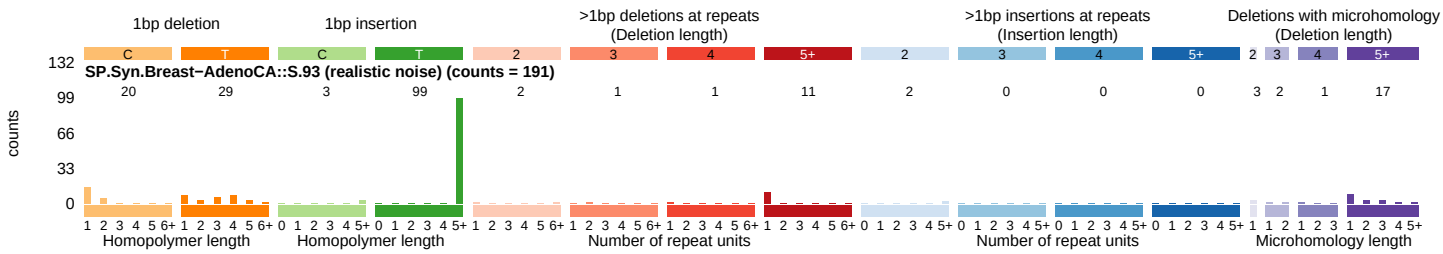
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.91 (realistic noise) (counts = 717)
113 144 6 86 20 5 4 18 7 0 2 3 5 3 13 288
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.92 (realistic noise) (counts = 496)
35 59 2 85 6 6 4 79 9 1 1 8 2 1 5 193
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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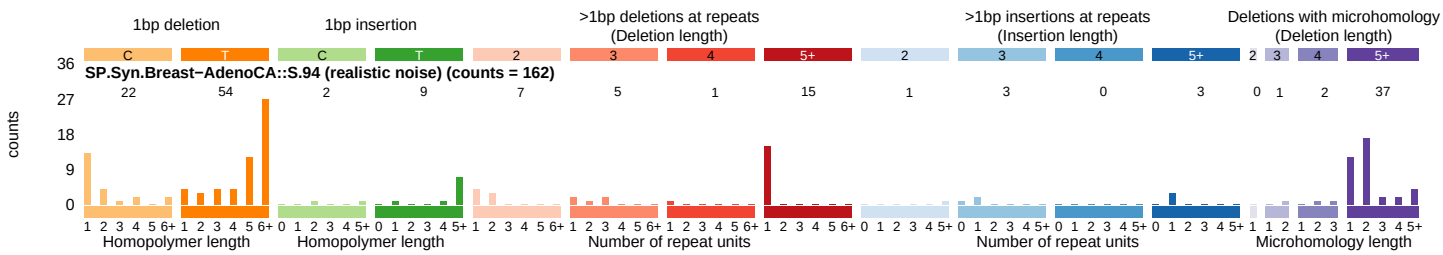
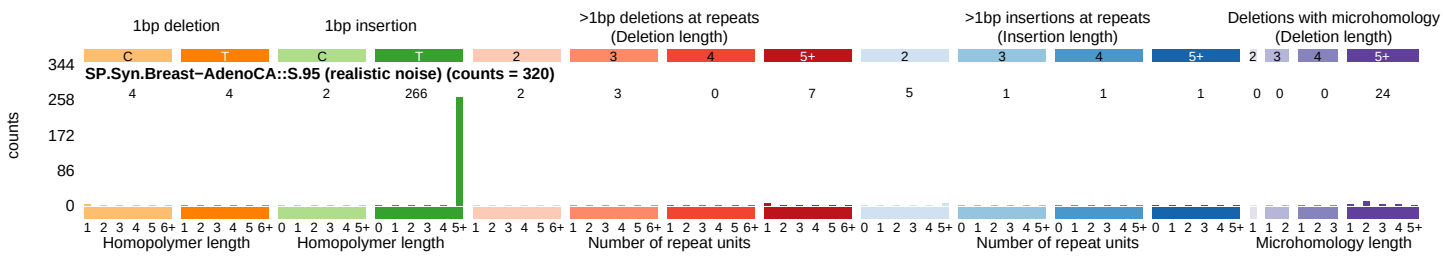
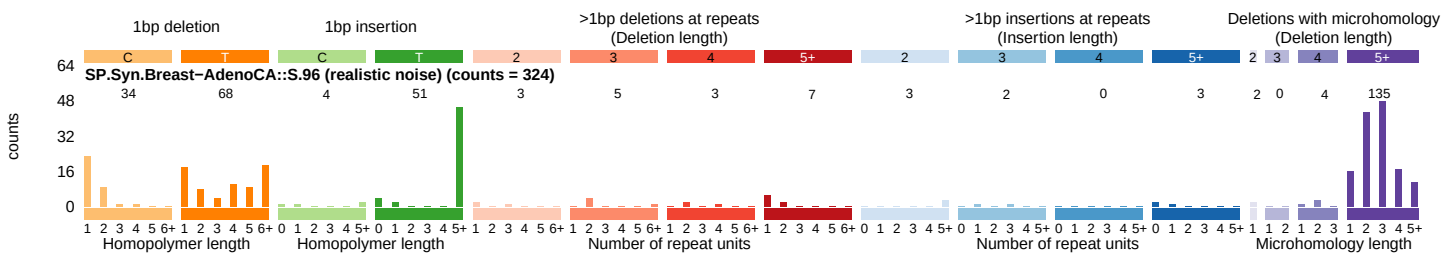
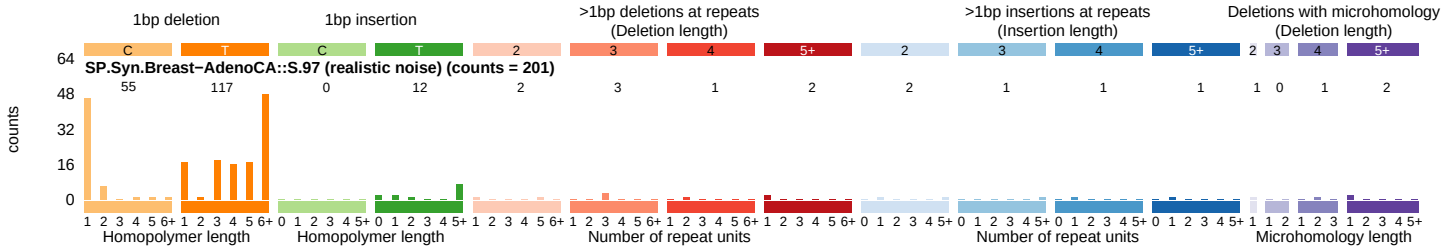
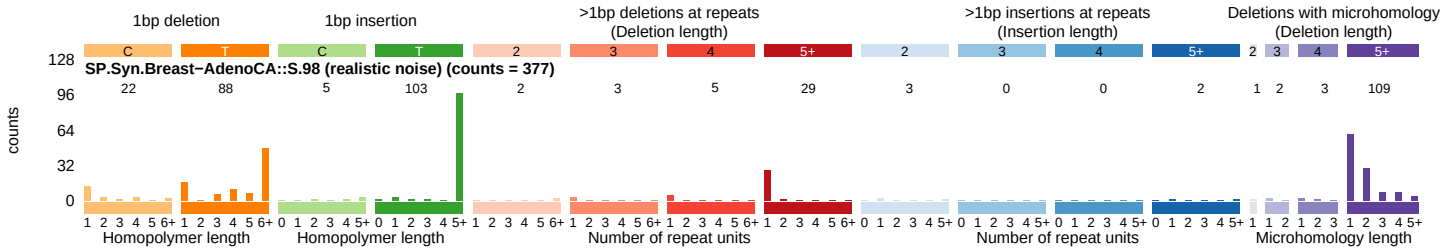
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.93 (realistic noise) (counts = 191)
20 29 3 99 2 1 1 11 2 0 0 0 3 2 1 17
counts
Homopolymer length
Number of repeat units
Microhomology length

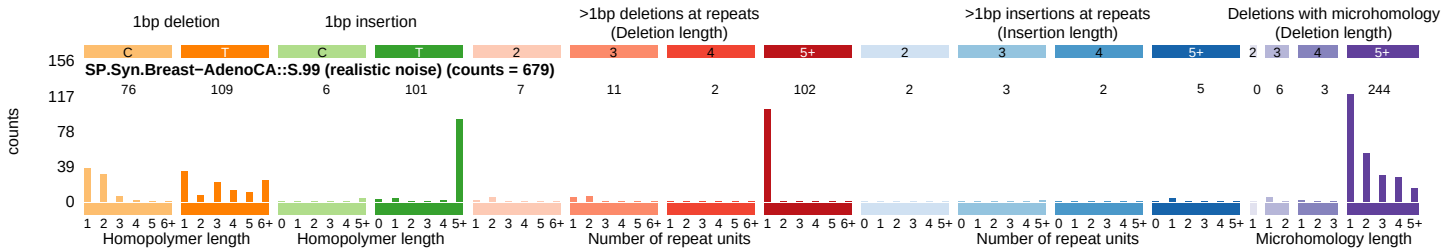

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.94 (realistic noise) (counts = 162)
22 54 2 9 7 5 1 15 1 3 0 3 0 1 2 37
counts
Homopolymer length
Number of repeat units
Microhomology length

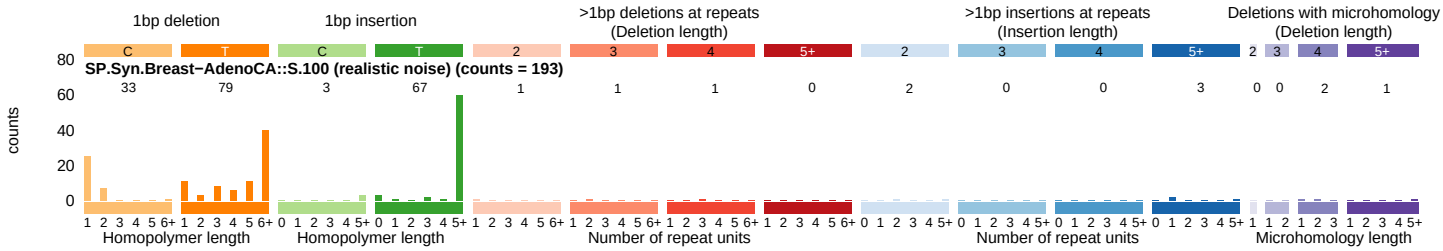

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.95 (realistic noise) (counts = 320)
4 4 2 266 2 3 0 7 5 1 1 1 0 0 0 24
counts
Homopolymer length
Number of repeat units
Microhomology length

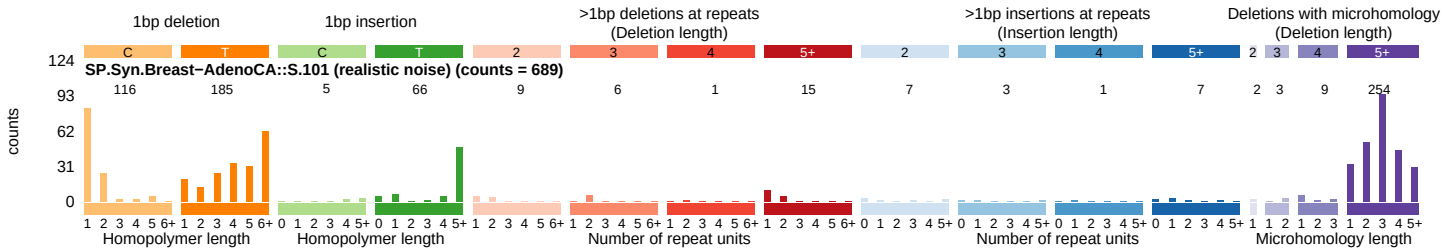

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.96 (realistic noise) (counts = 324)
34 68 4 51 3 5 3 7 3 2 0 3 2 0 4 135
counts
Homopolymer length
Number of repeat units
Microhomology length

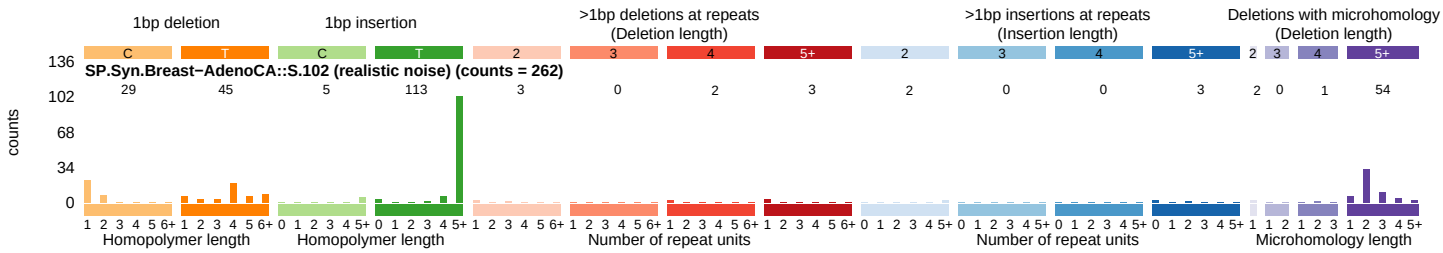

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.97 (realistic noise) (counts = 201)
counts
Homopolymer length
Number of repeat units
Microhomology length

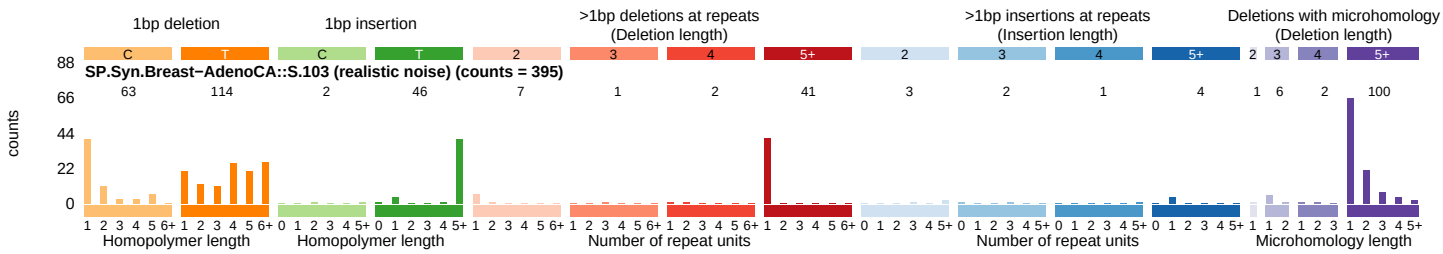

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.98 (realistic noise) (counts = 377)
counts
Homopolymer length
Number of repeat units
Microhomology length

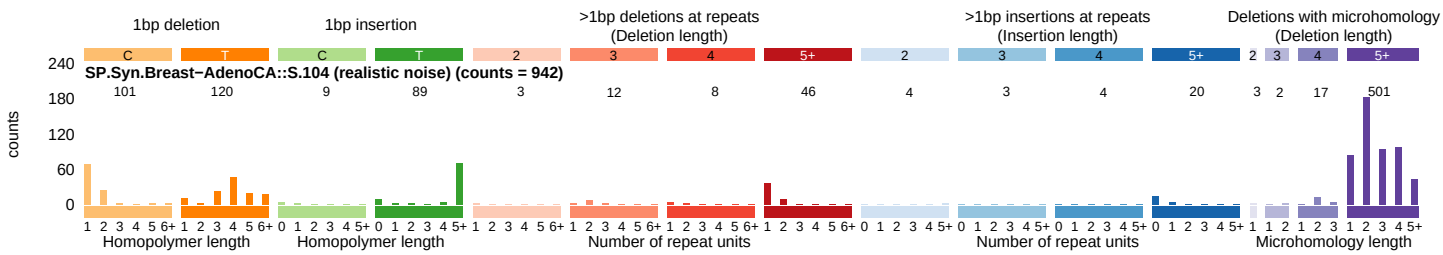

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.99 (realistic noise) (counts = 679)
counts
Homopolymer length
Number of repeat units
Microhomology length

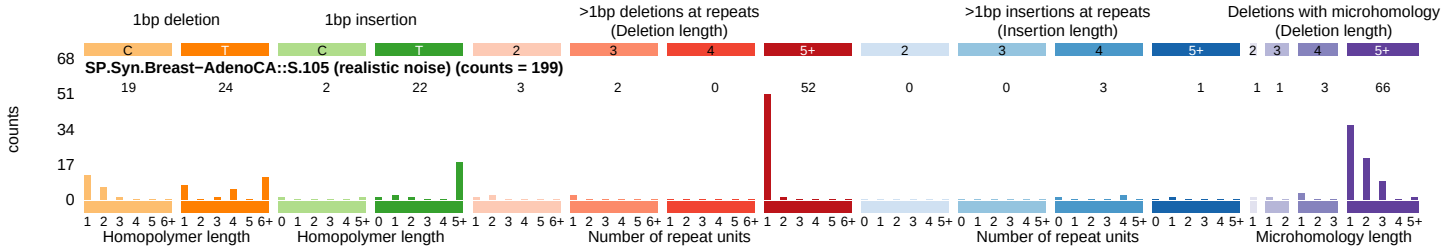

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.100 (realistic noise) (counts = 193)
counts
Homopolymer length
Number of repeat units
Microhomology length

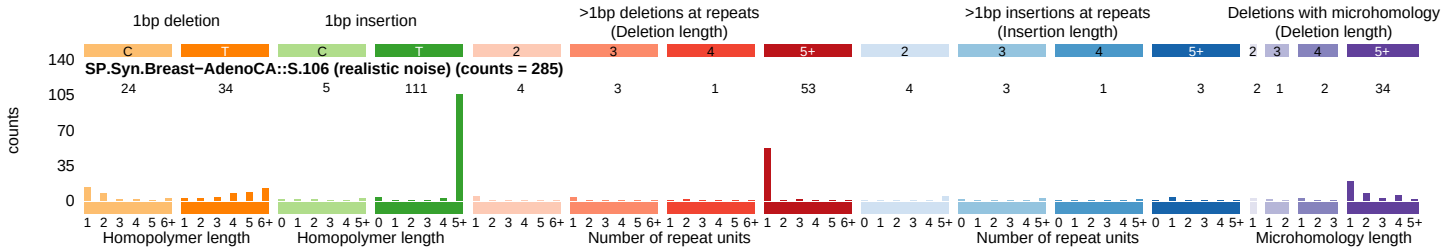

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.101 (realistic noise) (counts = 689)
counts
Homopolymer length
Number of repeat units
Microhomology length

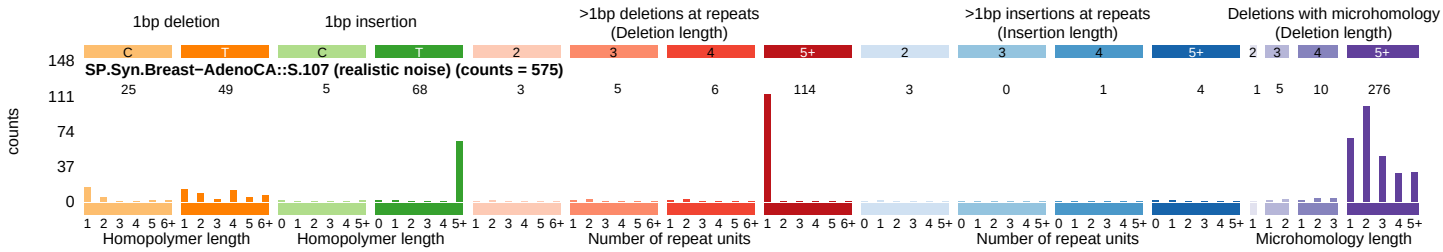

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.102 (realistic noise) (counts = 262)
counts
Homopolymer length
Number of repeat units
Microhomology length

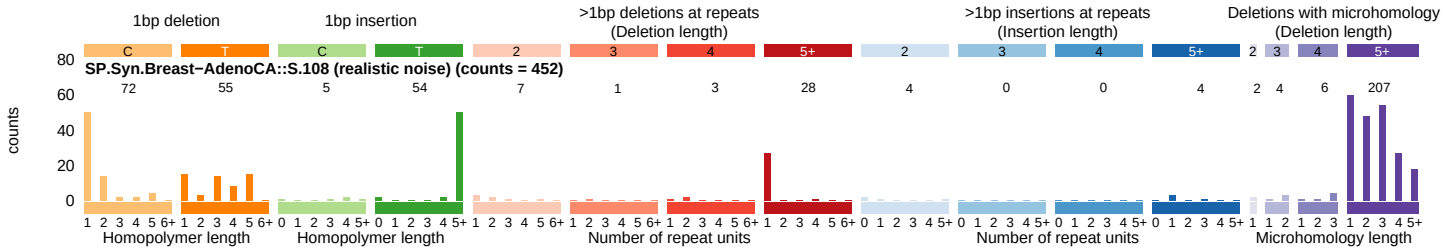

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.103 (realistic noise) (counts = 395)
counts
Homopolymer length
Number of repeat units
Microhomology length

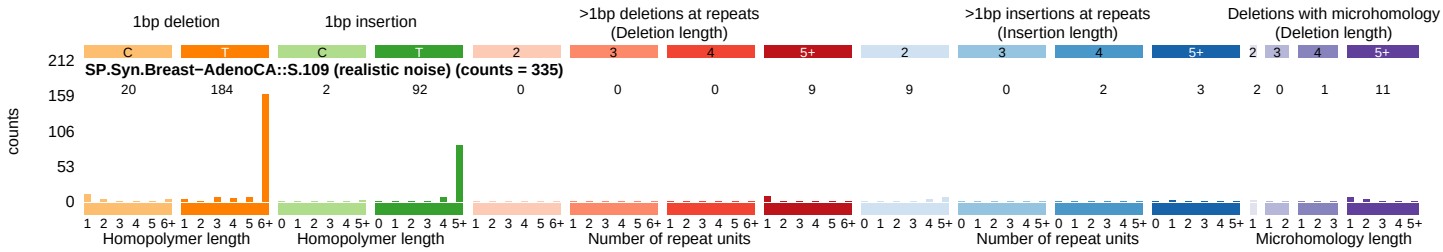

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.104 (realistic noise) (counts = 942)
counts
Homopolymer length
Number of repeat units
Microhomology length

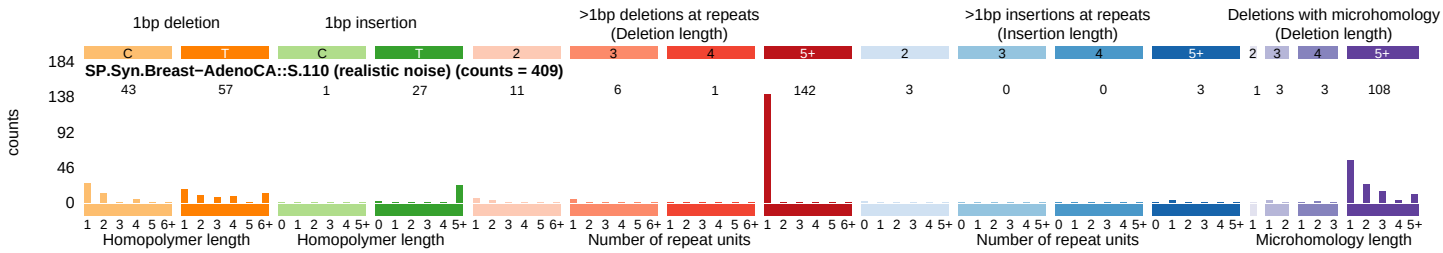

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.105 (realistic noise) (counts = 199)
counts
Homopolymer length
Number of repeat units
Microhomology length

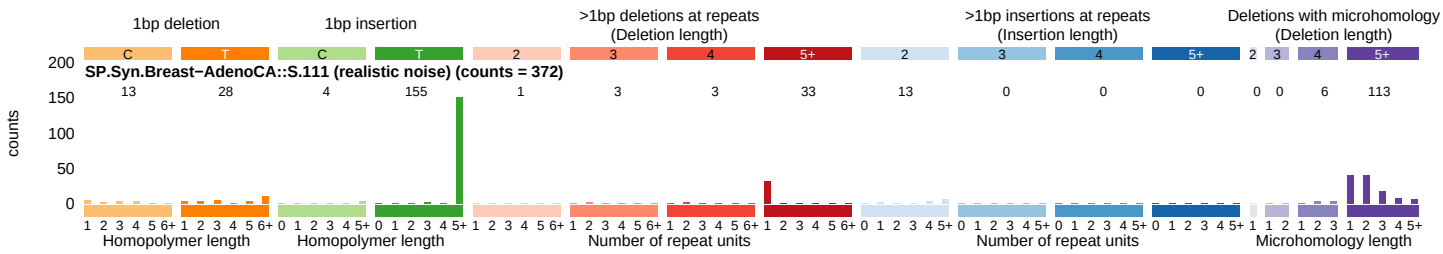

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.106 (realistic noise) (counts = 285)
counts
Homopolymer length
Number of repeat units
Microhomology length

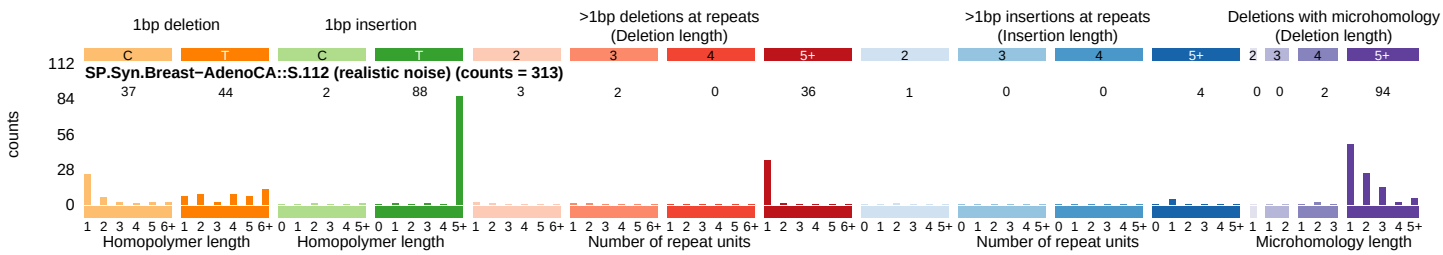

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.107 (realistic noise) (counts = 575)
counts
Homopolymer length
Number of repeat units
Microhomology length

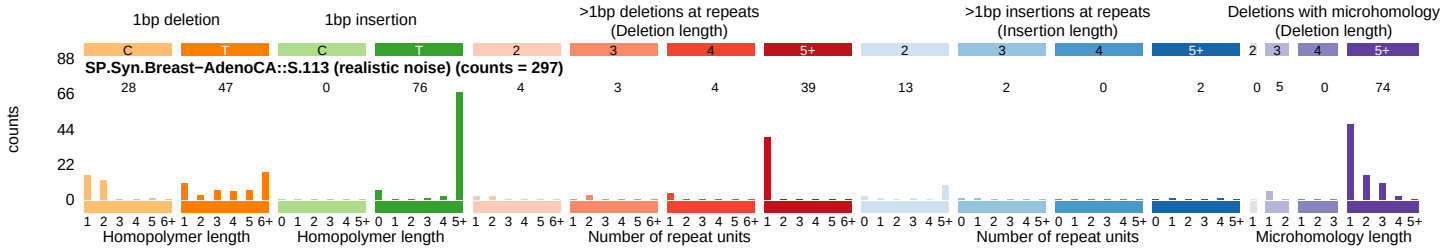

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.108 (realistic noise) (counts = 452)
counts
Homopolymer length
Number of repeat units
Microhomology length

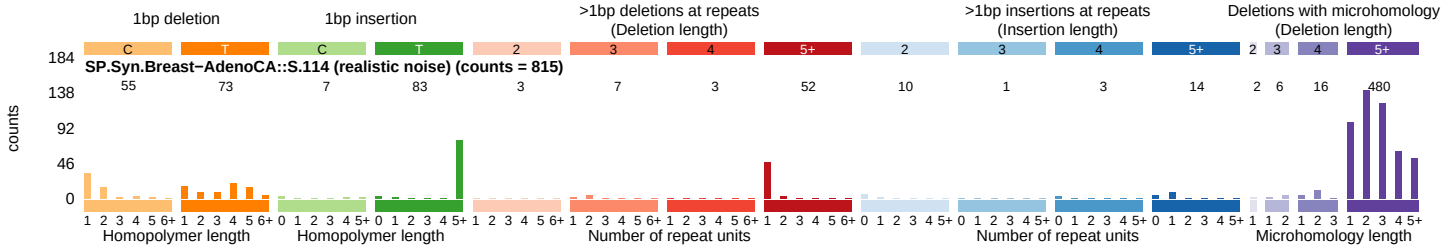

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.109 (realistic noise) (counts = 335)
counts
Homopolymer length
Number of repeat units
Microhomology length

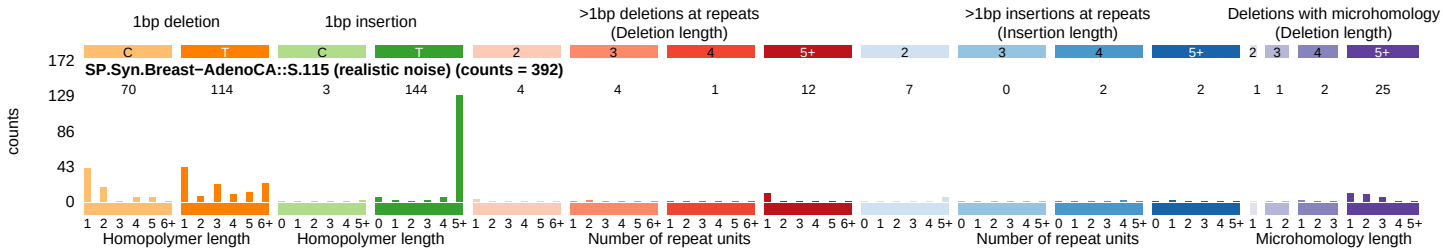

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.110 (realistic noise) (counts = 409)
counts
Homopolymer length
Number of repeat units
Microhomology length

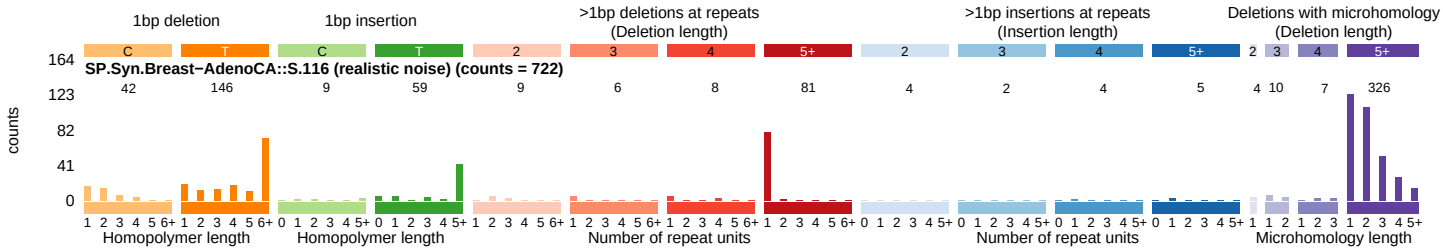

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.111 (realistic noise) (counts = 372)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.112 (realistic noise) (counts = 313)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.113 (realistic noise) (counts = 297)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.114 (realistic noise) (counts = 815)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.115 (realistic noise) (counts = 392)
counts
Homopolymer length
Number of repeat units
Microhomology length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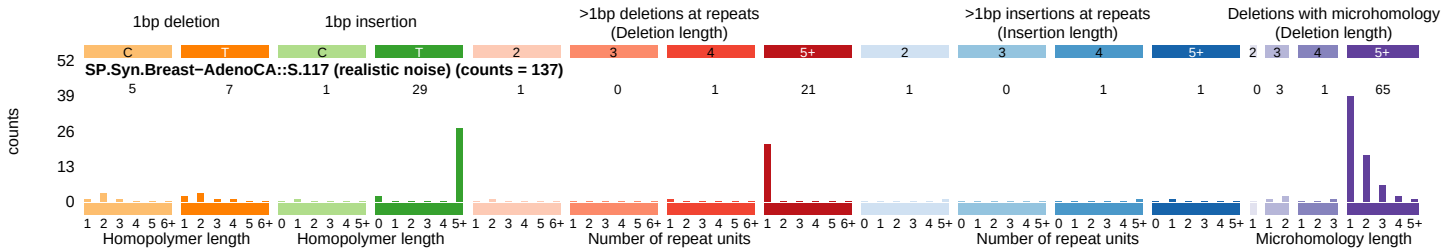
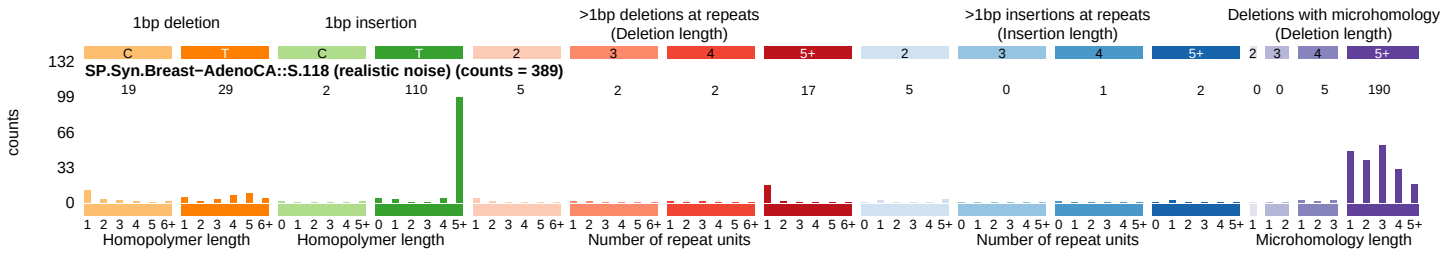
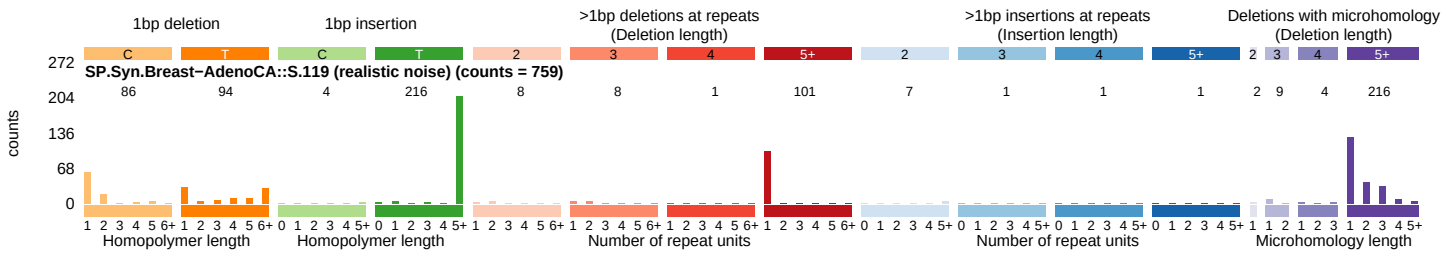
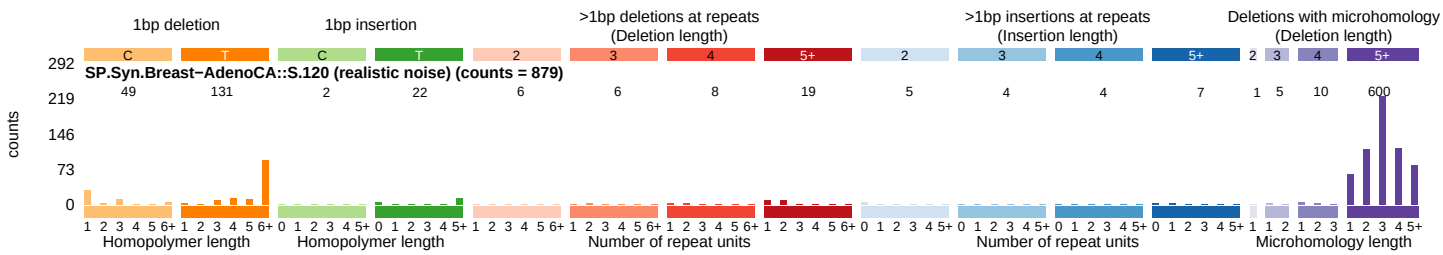
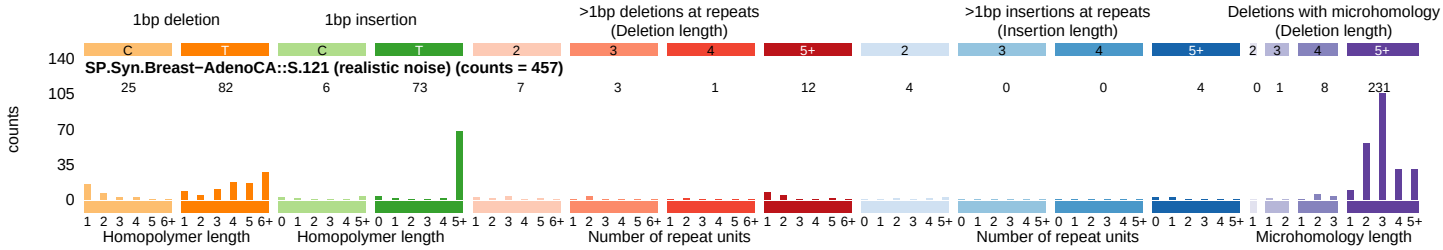
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.116 (realistic noise) (counts = 722)
counts
Homopolymer length
Number of repeat units
Microhomology length

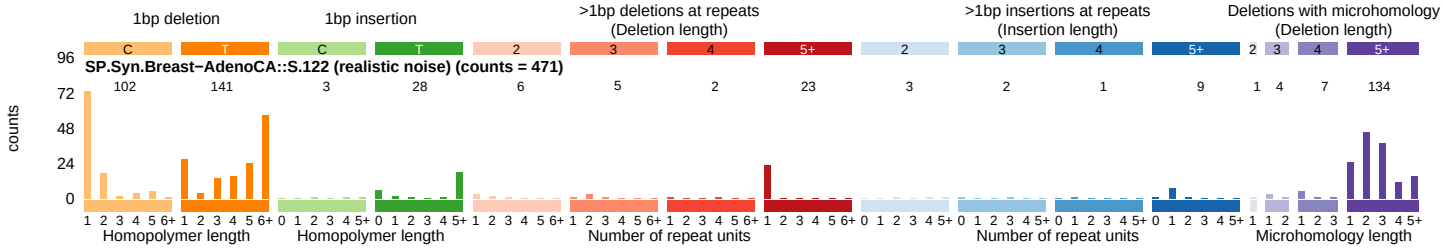

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.117 (realistic noise) (counts = 137)
counts
Homopolymer length
Number of repeat units
Microhomology length

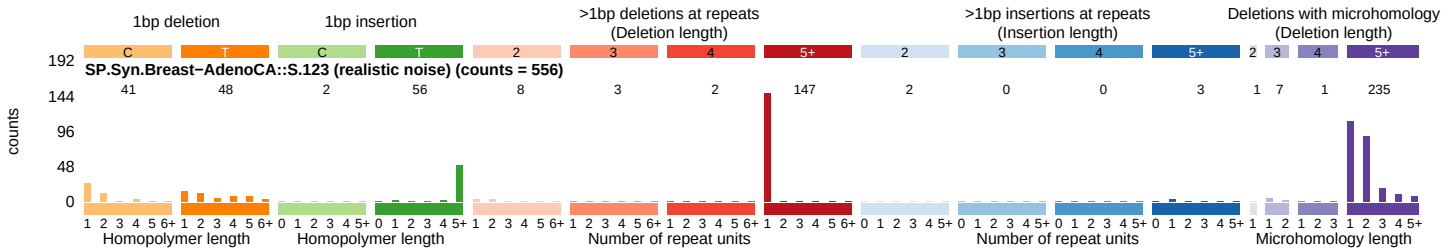

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.118 (realistic noise) (counts = 389)
counts
Homopolymer length
Number of repeat units
Microhomology length

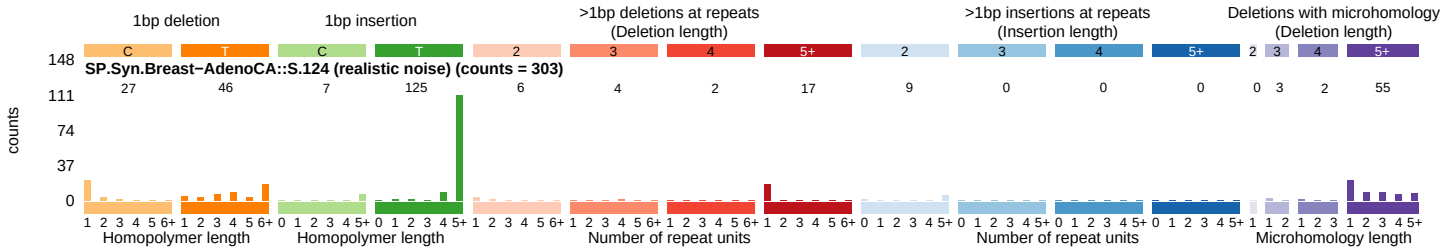

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.119 (realistic noise) (counts = 759)
counts
Homopolymer length
Number of repeat units
Microhomology length

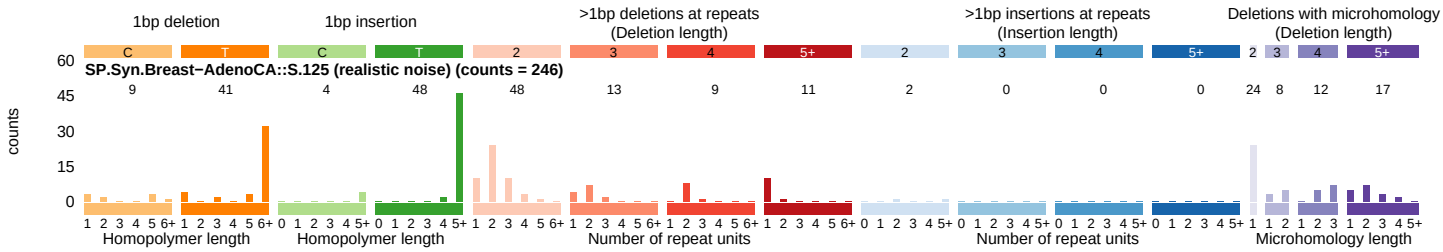

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.120 (realistic noise) (counts = 879)
counts
Homopolymer length
Number of repeat units
Microhomology length

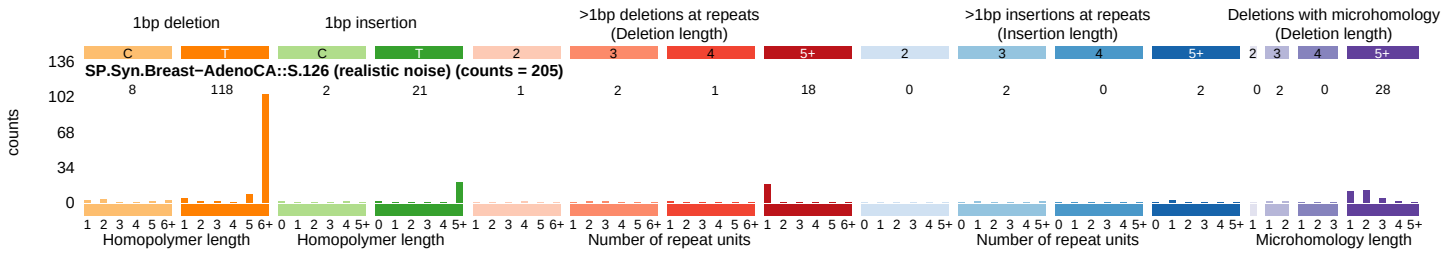

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.121 (realistic noise) (counts = 457)
25 82 6 73 7 3 1 12 4 0 0 4 0 1 8 231
counts
Homopolymer length
Number of repeat units
Microhomology length

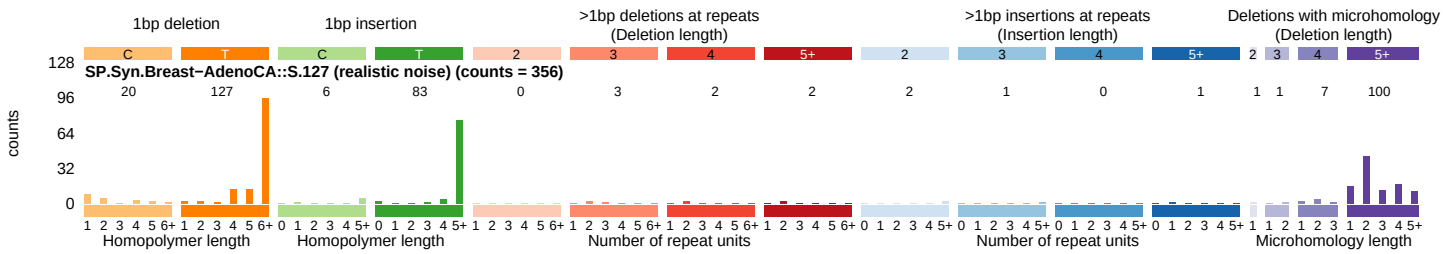

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.122 (realistic noise) (counts = 471)
102 141 3 28 6 5 2 23 3 2 1 9 1 4 7 134
counts
Homopolymer length
Number of repeat units
Microhomology length

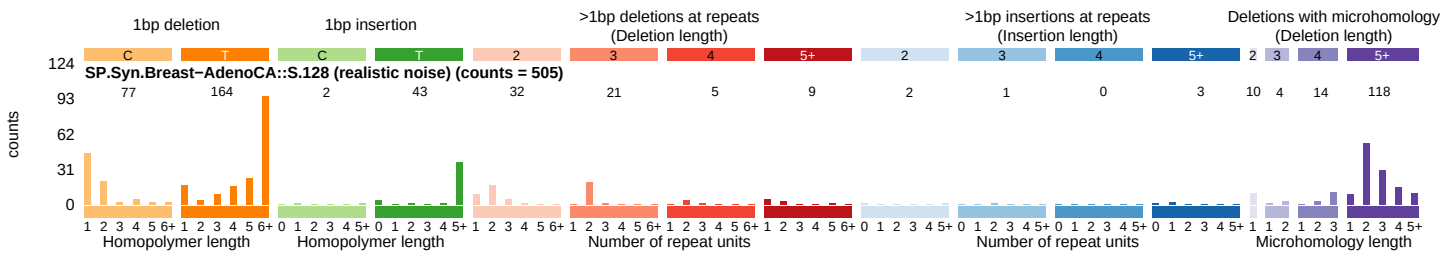

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.123 (realistic noise) (counts = 556)
41 48 2 56 8 3 2 147 2 0 0 3 1 7 1 235
counts
Homopolymer length
Number of repeat units
Microhomology length

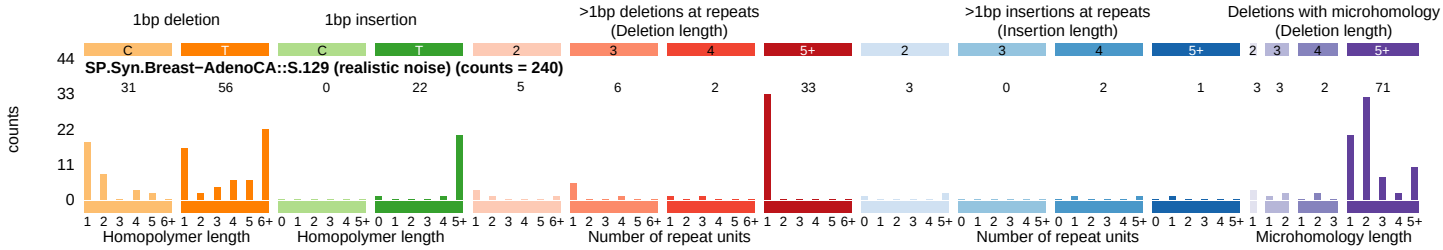

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.124 (realistic noise) (counts = 303)
27 46 7 125 6 4 2 17 9 0 0 0 0 3 2 55
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.125 (realistic noise) (counts = 246)
9 41 4 48 48 13 9 11 2 0 0 0 24 8 12 17
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.126 (realistic noise) (counts = 205)
8 118 2 21 1 2 1 18 0 2 0 2 0 2 0 28
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.127 (realistic noise) (counts = 356)
20 127 6 83 0 3 2 2 2 1 0 1 1 1 7 100
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.128 (realistic noise) (counts = 505)
77 164 2 43 32 21 5 9 2 1 0 3 10 4 14 118
counts
Homopolymer length
Number of repeat units
Microhomology length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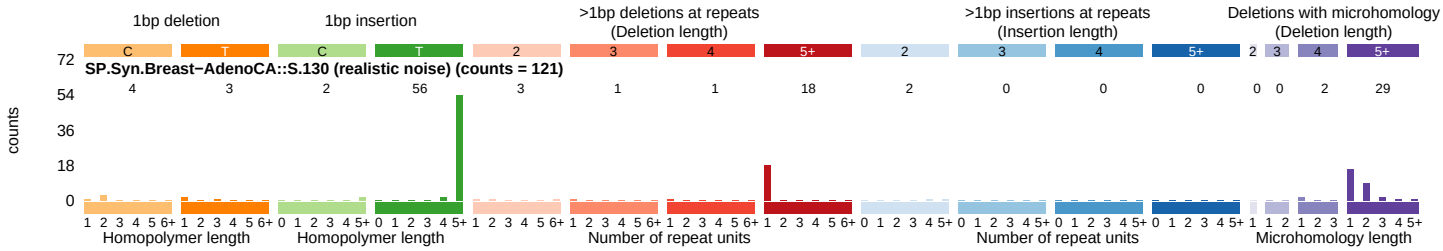
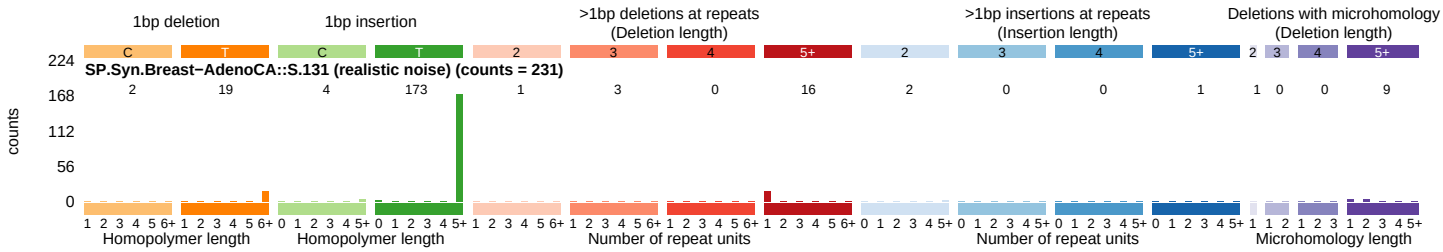
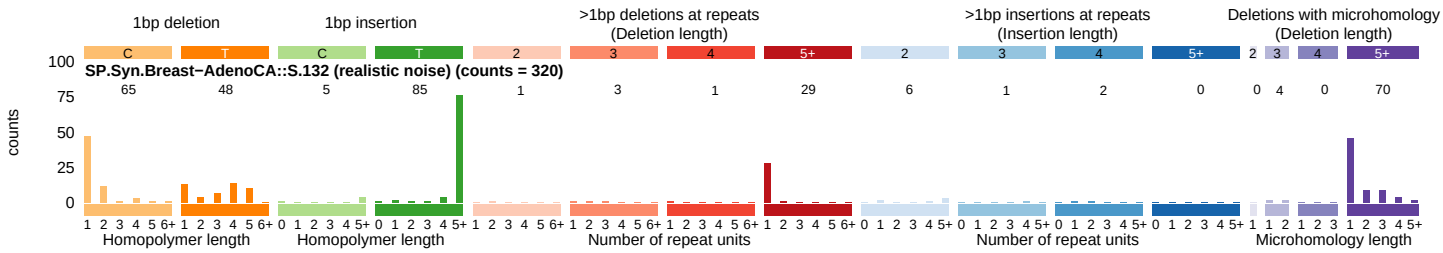
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.129 (realistic noise) (counts = 240)
31 56 0 22 5 6 2 33 3 0 2 1 3 3 2 71
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.130 (realistic noise) (counts = 121)
4 3 2 56 3 1 1 18 2 0 0 0 0 0 2 29
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.131 (realistic noise) (counts = 231)
2 19 4 173 1 3 0 16 2 0 0 1 1 0 0 9
counts
Homopolymer length
Number of repeat units
Microhomology length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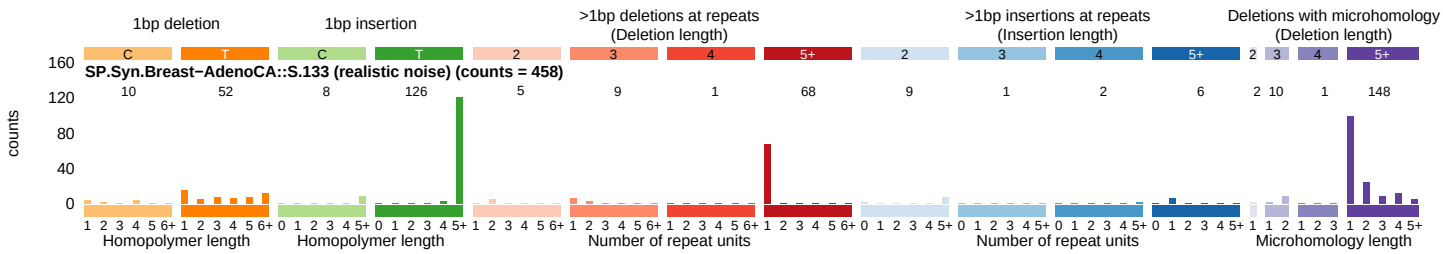
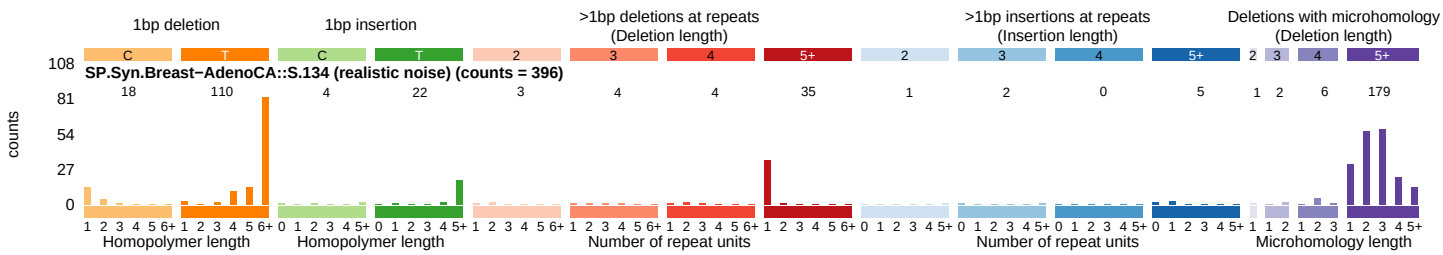
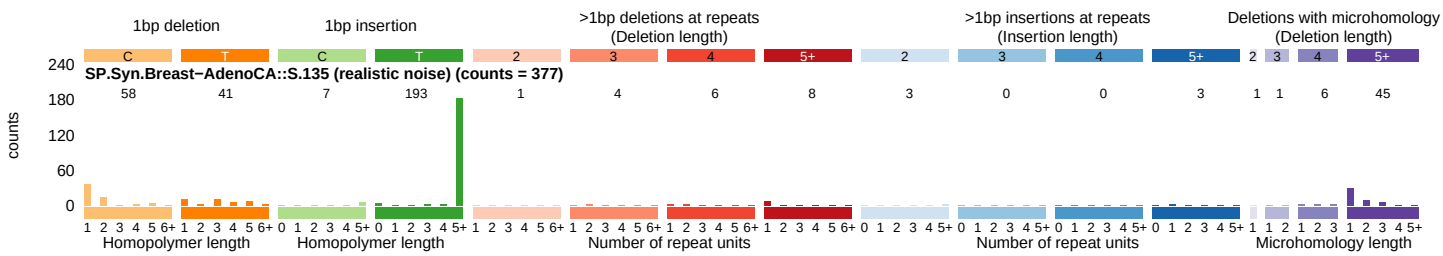
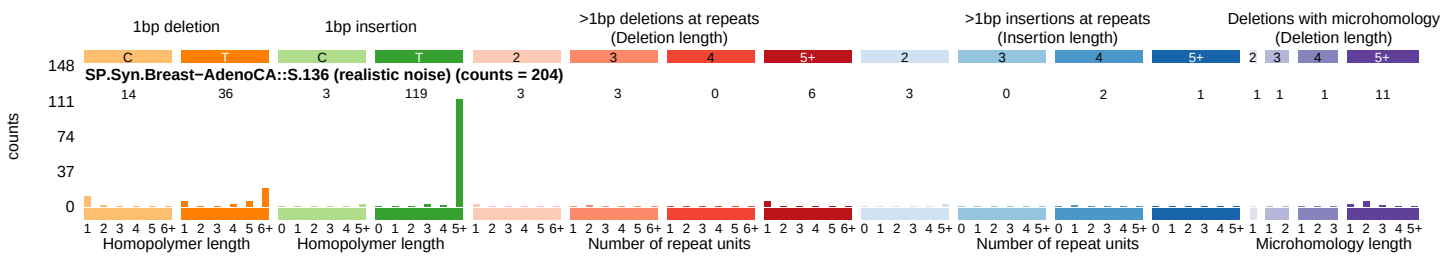
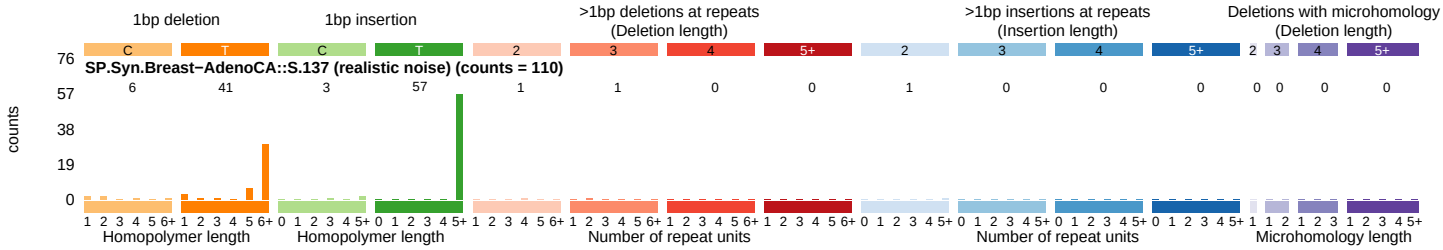
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.132 (realistic noise) (counts = 320)
65 48 5 85 1 3 1 29 6 1 2 0 0 4 0 70
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.133 (realistic noise) (counts = 458)
10 52 8 126 5 9 1 68 9 1 2 6 2 10 1 148
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.134 (realistic noise) (counts = 396)
18 110 4 22 3 4 4 35 1 2 0 5 1 2 6 179
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.135 (realistic noise) (counts = 377)
58 41 7 193 1 4 6 8 3 0 0 3 1 1 6 45
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.136 (realistic noise) (counts = 204)
14 36 3 119 3 3 0 6 3 0 2 1 1 1 1 11
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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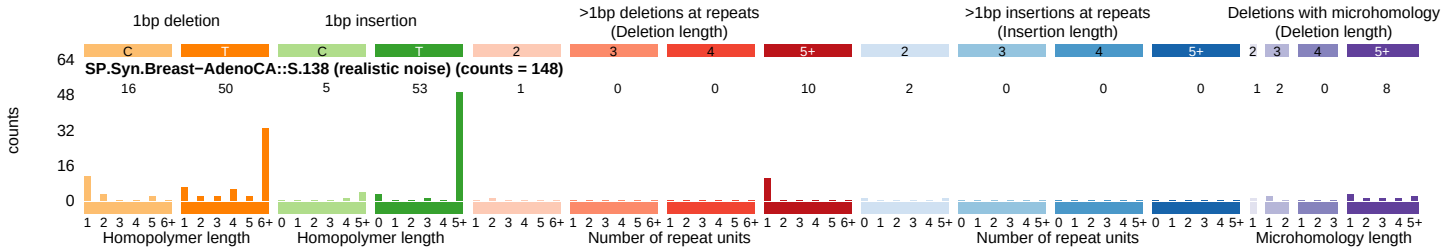
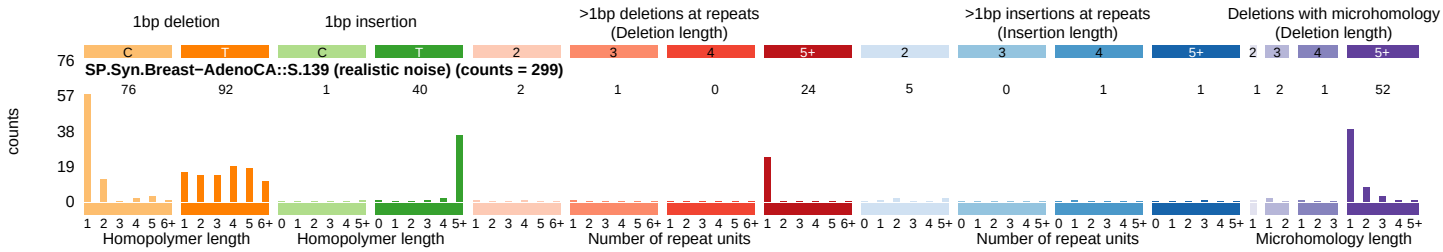
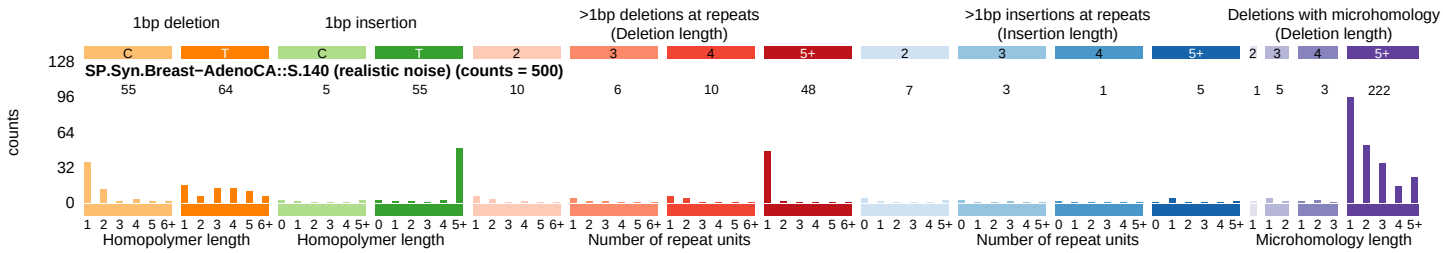
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.137 (realistic noise) (counts = 110)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.138 (realistic noise) (counts = 148)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.139 (realistic noise) (counts = 299)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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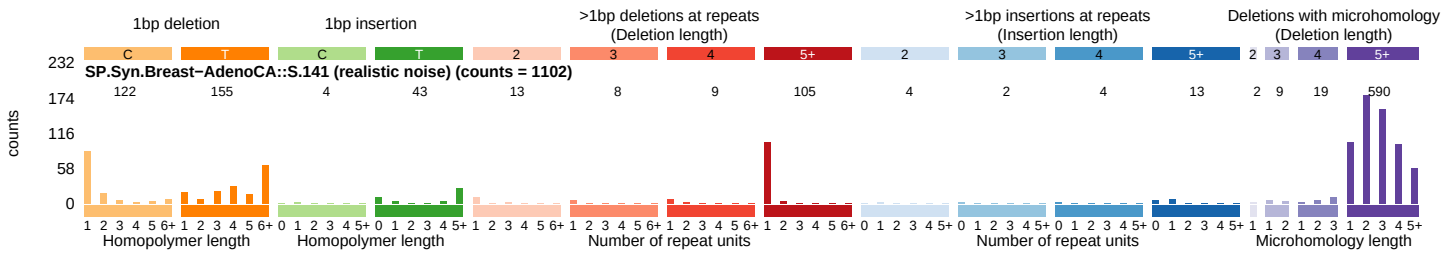
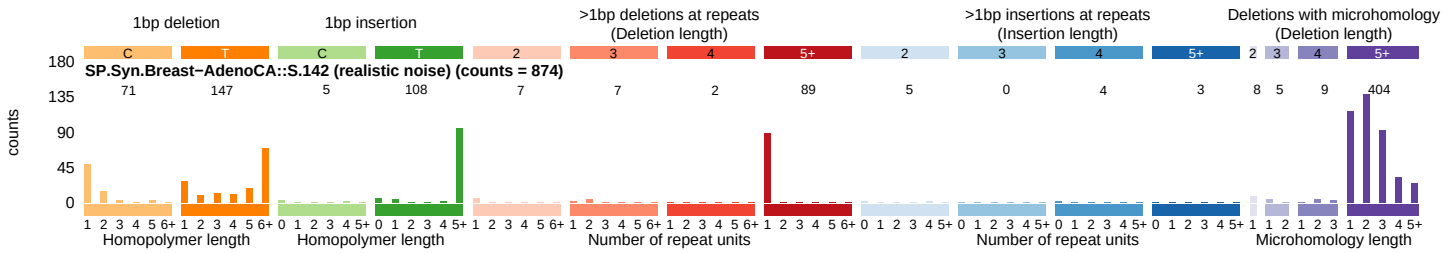
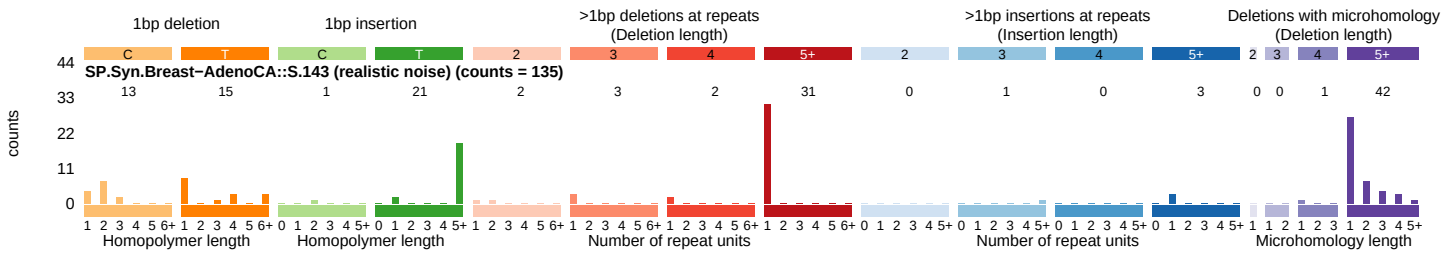
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.140 (realistic noise) (counts = 500)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.141 (realistic noise) (counts = 1102)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.142 (realistic noise) (counts = 874)
counts
Homopolymer length
Number of repeat units
Microhomology length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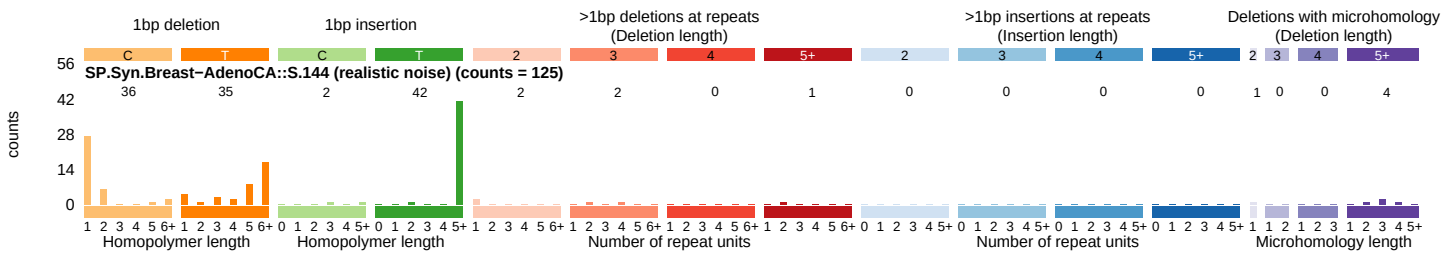
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.143 (realistic noise) (counts = 135)
counts
Homopolymer length
Number of repeat units
Microhomology length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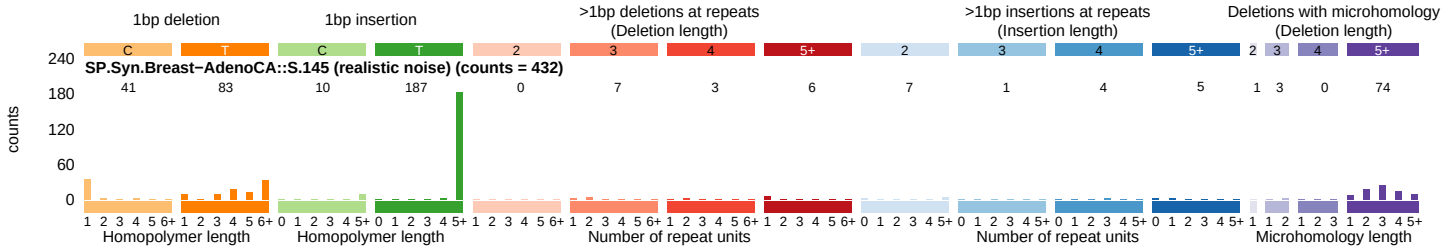
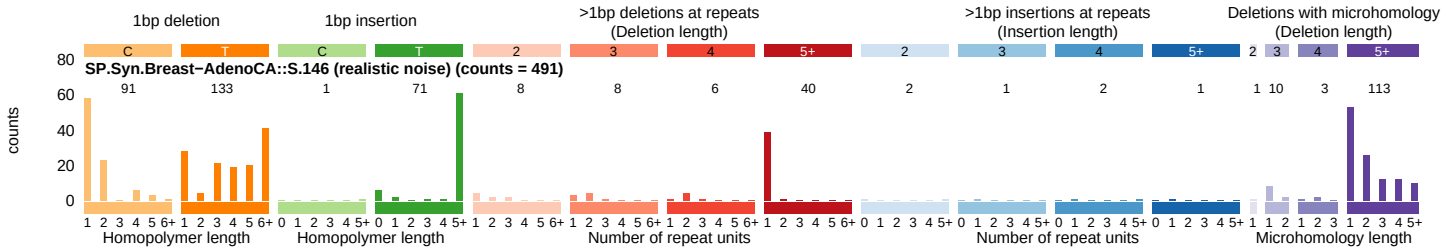
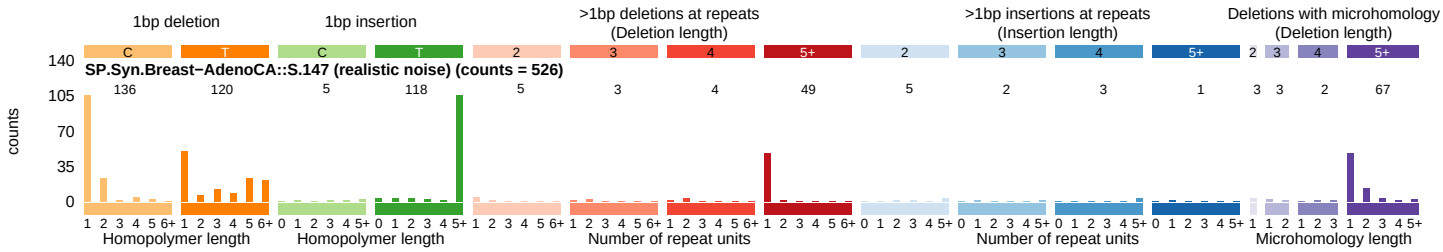
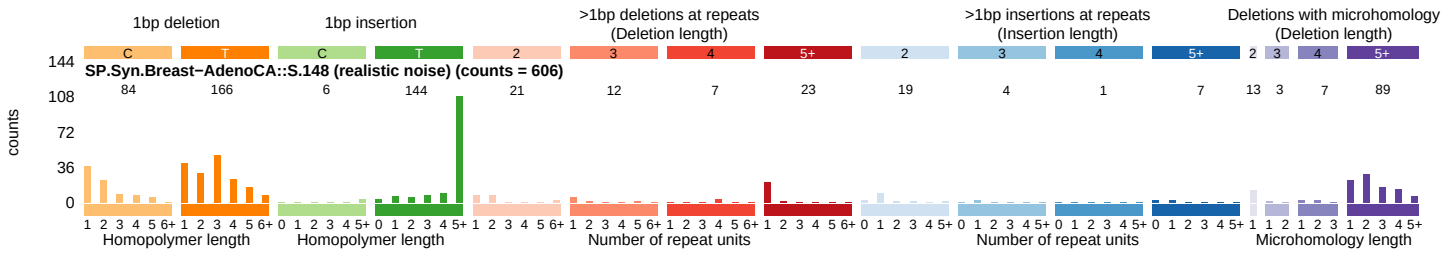
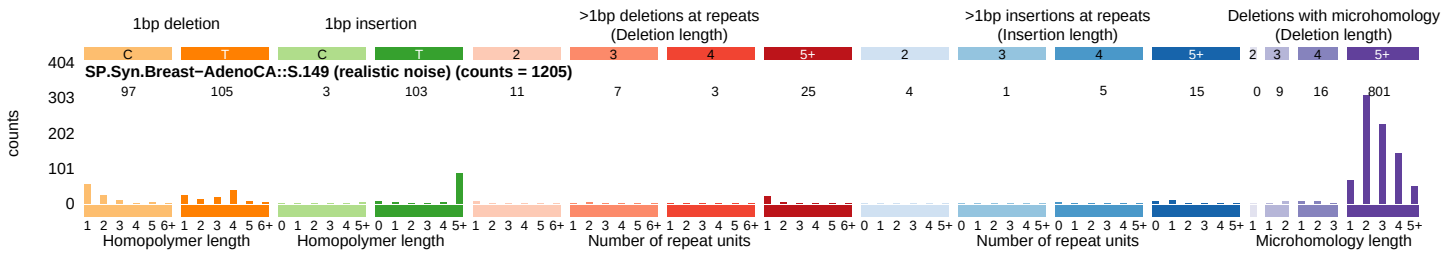
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.144 (realistic noise) (counts = 125)
counts
Homopolymer length
Number of repeat units
Microhomology length

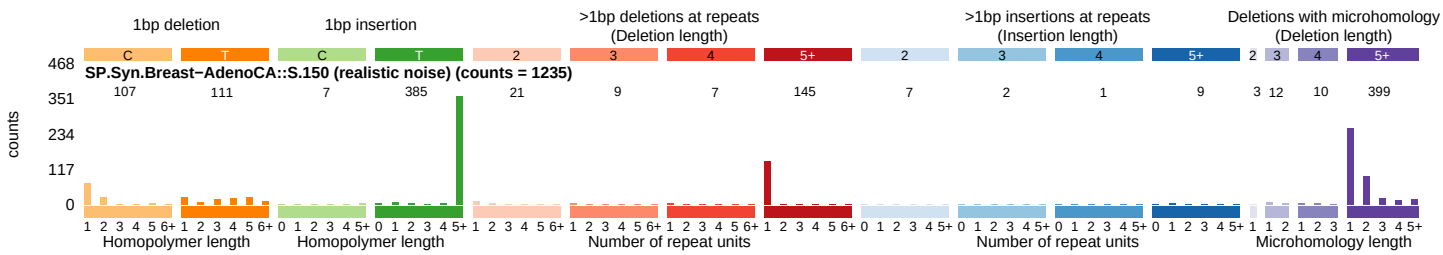

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.145 (realistic noise) (counts = 432)
41 83 10 187 0 7 3 6 7 1 4 5 1 3 0 74
counts
Homopolymer length
Number of repeat units
Microhomology length

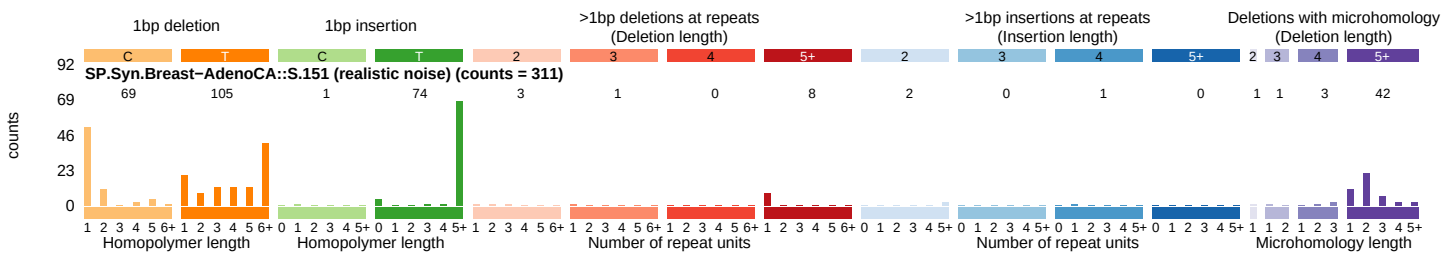

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.146 (realistic noise) (counts = 491)
91 133 1 71 8 8 6 40 2 1 2 1 1 10 3 113
counts
Homopolymer length
Number of repeat units
Microhomology length

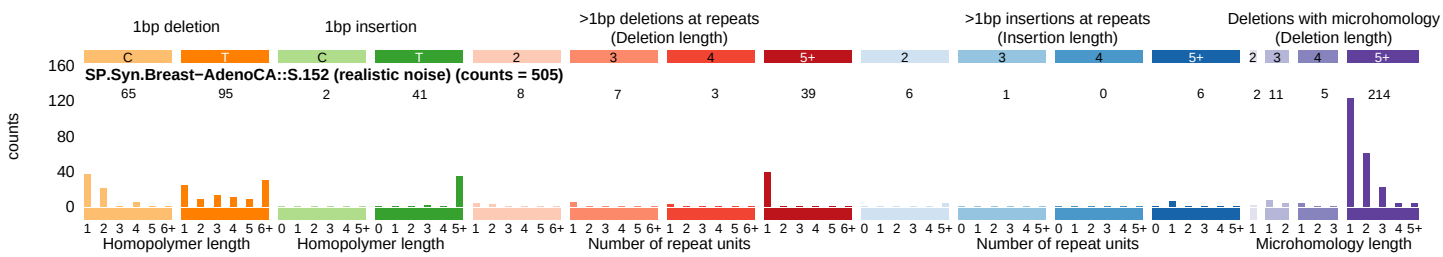

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.147 (realistic noise) (counts = 526)
136 120 5 118 5 3 4 49 5 2 3 1 3 3 2 67
counts
Homopolymer length
Number of repeat units
Microhomology length

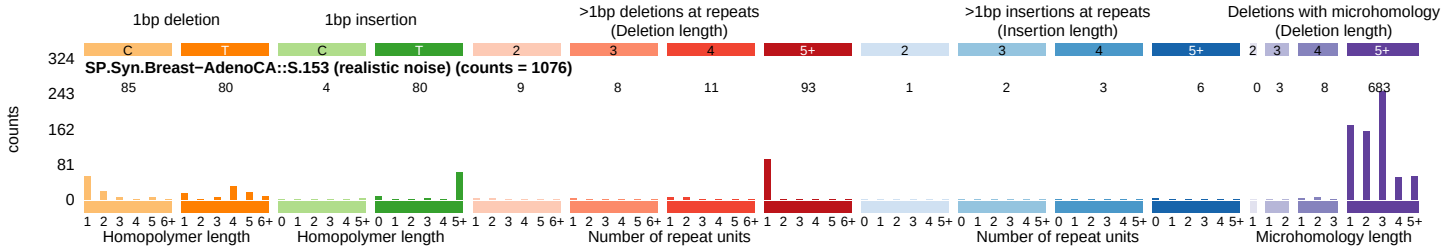

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.148 (realistic noise) (counts = 606)
84 166 6 144 21 12 7 23 19 4 1 7 13 3 7 89
counts
Homopolymer length
Number of repeat units
Microhomology length

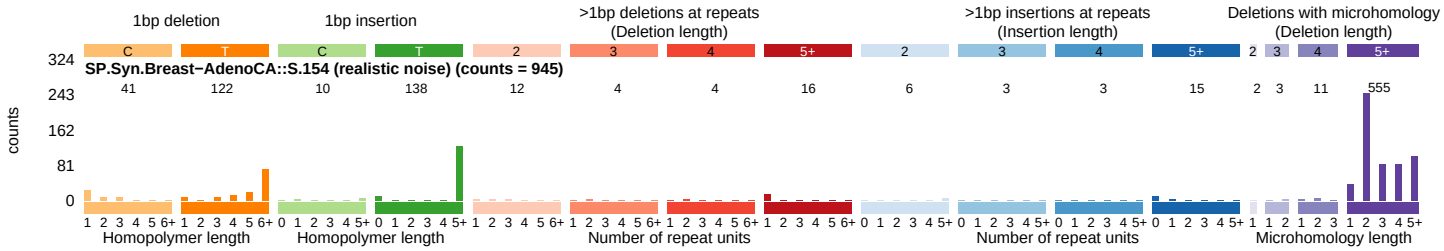

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.149 (realistic noise) (counts = 1205)
97 105 3 103 11 7 3 25 4 1 5 15 0 9 16 801
counts
Homopolymer length
Number of repeat units
Microhomology length

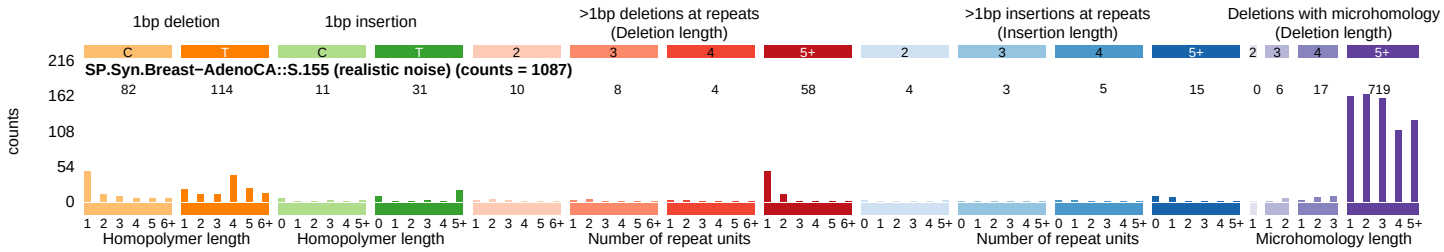

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.150 (realistic noise) (counts = 1235)
107 111 7 385 21 9 7 145 7 2 1 9 3 12 10 399
counts
Homopolymer length
Number of repeat units
Microhomology length

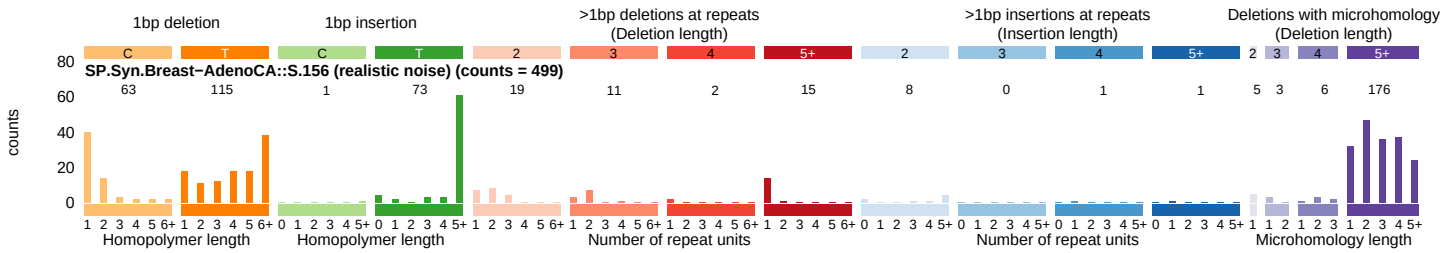

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.151 (realistic noise) (counts = 311)
69 105 1 74 3 1 0 8 2 0 1 0 1 1 3 42
counts
Homopolymer length
Number of repeat units
Microhomology length

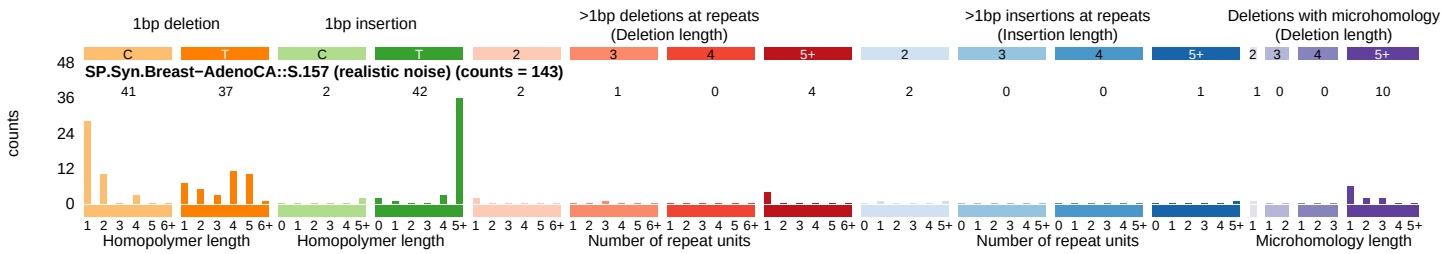

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.152 (realistic noise) (counts = 505)
65 95 2 41 8 7 3 39 6 1 0 6 2 11 5 214
counts
Homopolymer length
Number of repeat units
Microhomology length

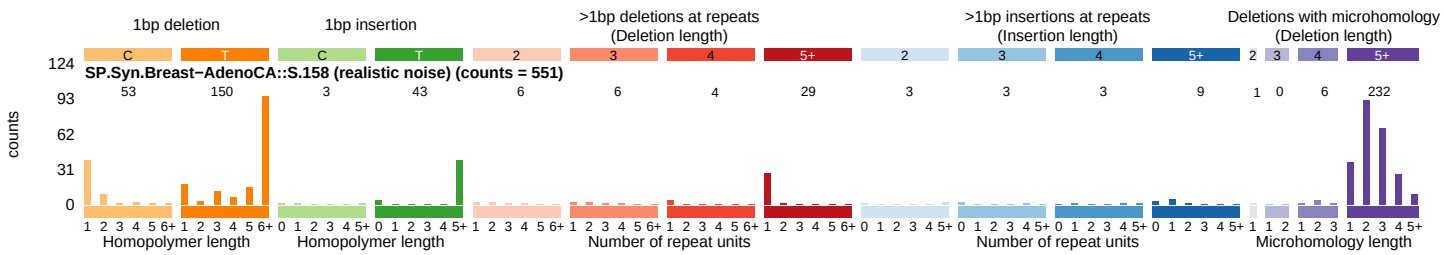

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.153 (realistic noise) (counts = 1076)
85 80 4 80 9 8 11 93 1 2 3 6 0 3 8 683
counts
Homopolymer length
Number of repeat units
Microhomology length

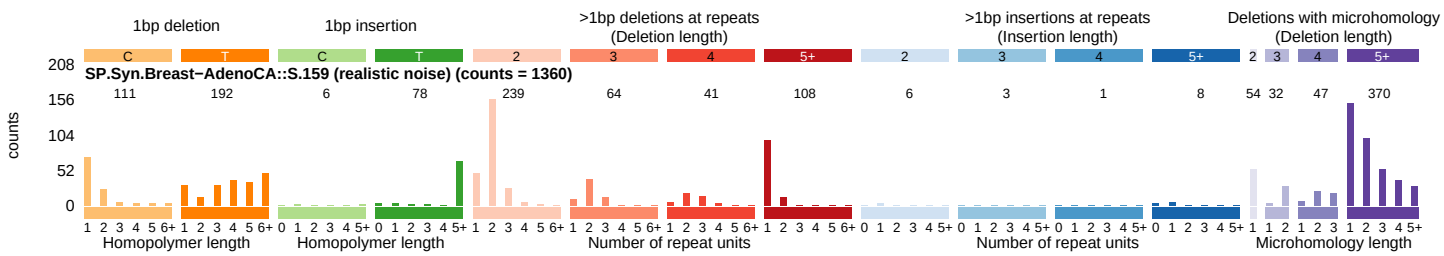

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.154 (realistic noise) (counts = 945)
41 122 10 138 12 4 4 16 6 3 3 15 2 3 11 555
counts
Homopolymer length
Number of repeat units
Microhomology length

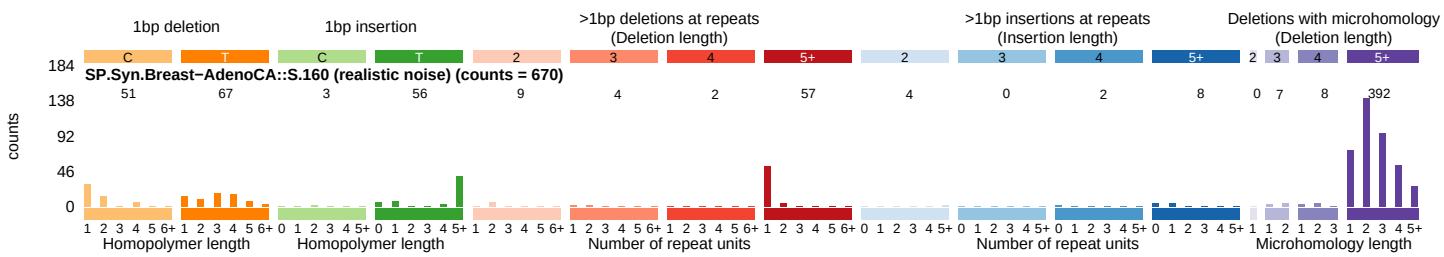

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.155 (realistic noise) (counts = 1087)
82 114 11 31 10 8 4 58 4 3 5 15 0 6 17 719
counts
Homopolymer length
Number of repeat units
Microhomology length

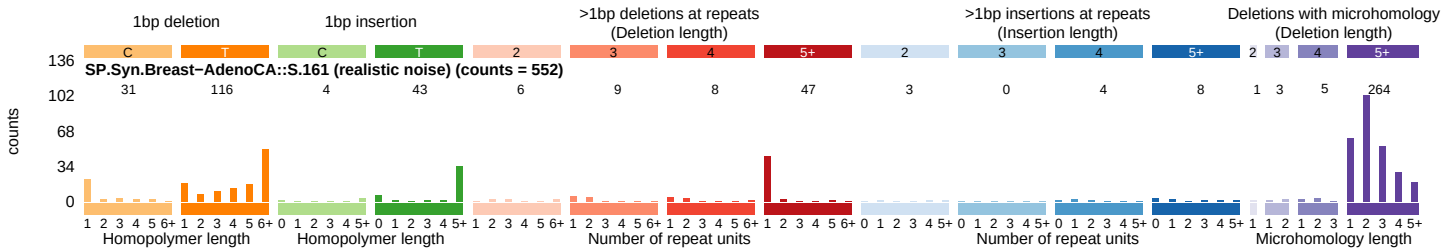

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.156 (realistic noise) (counts = 499)
63 115 1 73 19 11 2 15 8 0 1 1 5 3 6 176
counts
Homopolymer length
Number of repeat units
Microhomology length

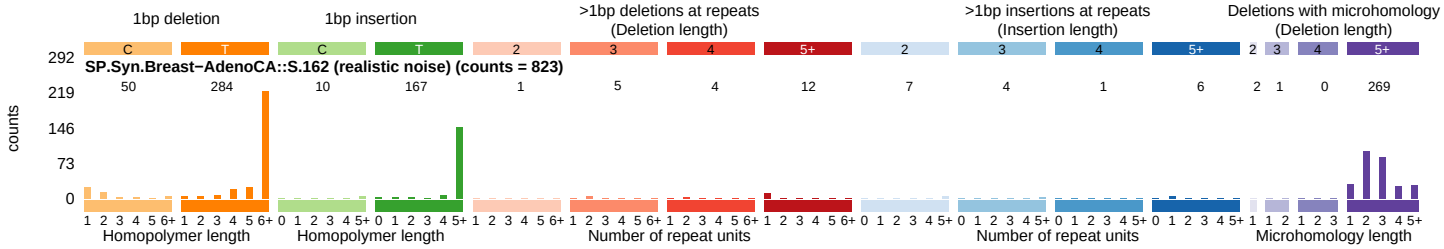

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.157 (realistic noise) (counts = 143)
41 37 2 42 2 1 0 4 2 0 0 1 1 0 0 10
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.158 (realistic noise) (counts = 551)
53 150 3 43 6 6 4 29 3 3 3 9 1 0 6 232
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.159 (realistic noise) (counts = 1360)
111 192 6 78 239 64 41 108 6 3 1 8 54 32 47 370
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.160 (realistic noise) (counts = 670)
51 67 3 56 9 4 2 57 4 0 2 8 0 7 8 392
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.161 (realistic noise) (counts = 552)
31 116 4 43 6 9 8 47 3 0 4 8 1 3 5 264
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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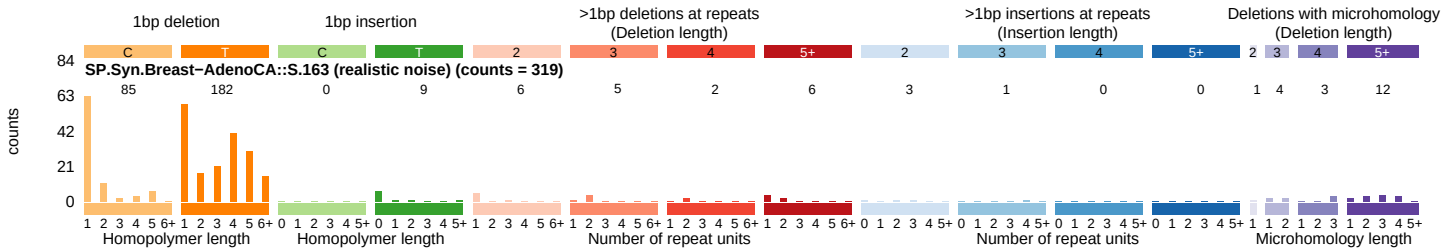
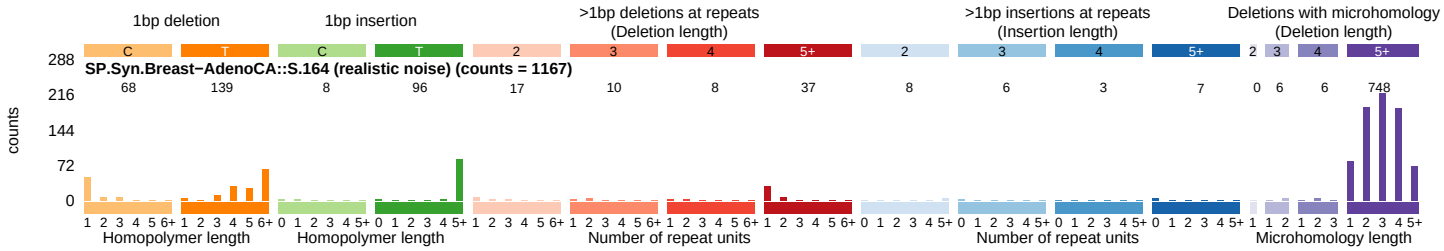
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.162 (realistic noise) (counts = 823)
50 284 10 167 1 5 4 12 7 4 1 6 2 1 0 269
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.163 (realistic noise) (counts = 319)
85 182 0 9 6 5 2 6 3 1 0 0 1 4 3 12
counts
Homopolymer length
Number of repeat units
Microhomology length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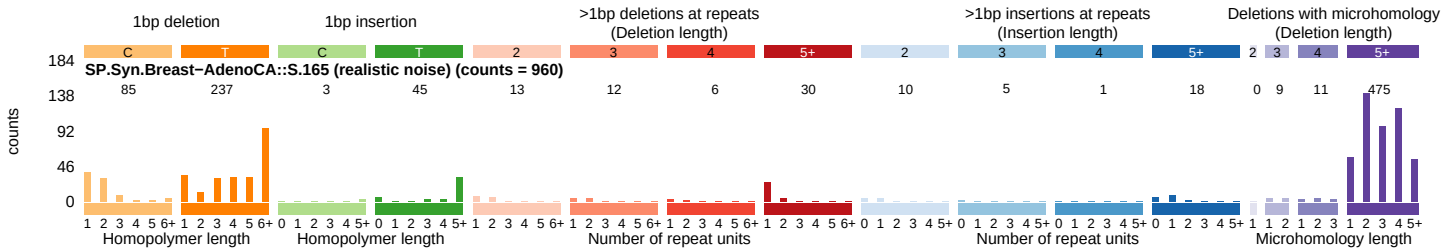
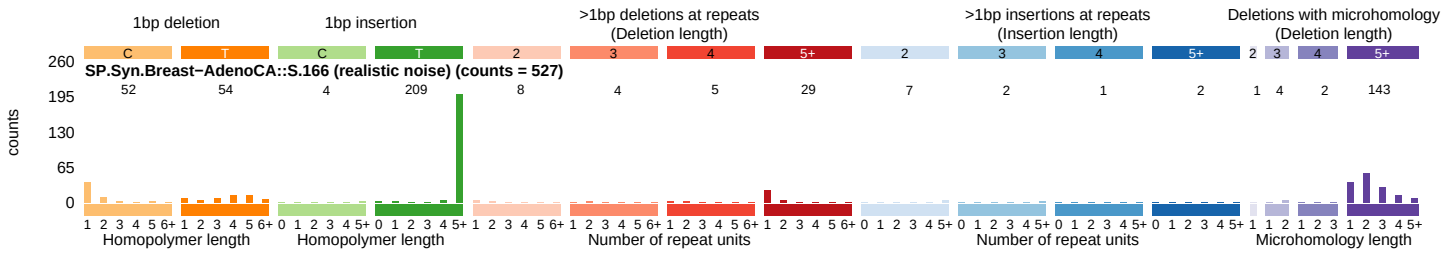
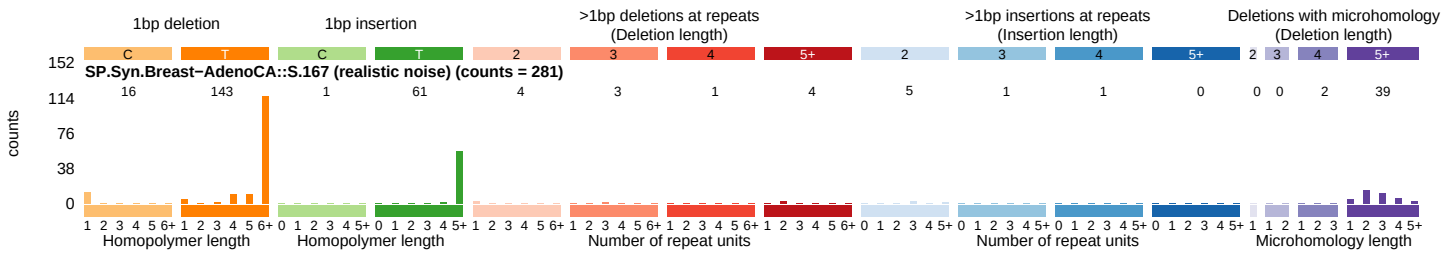
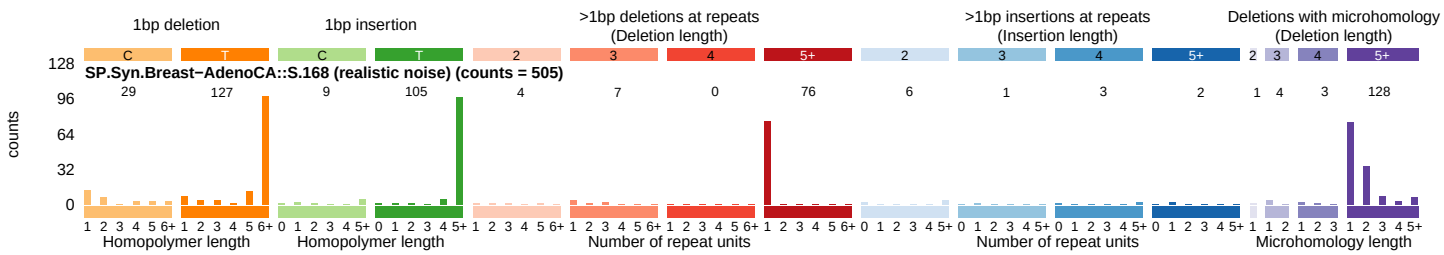
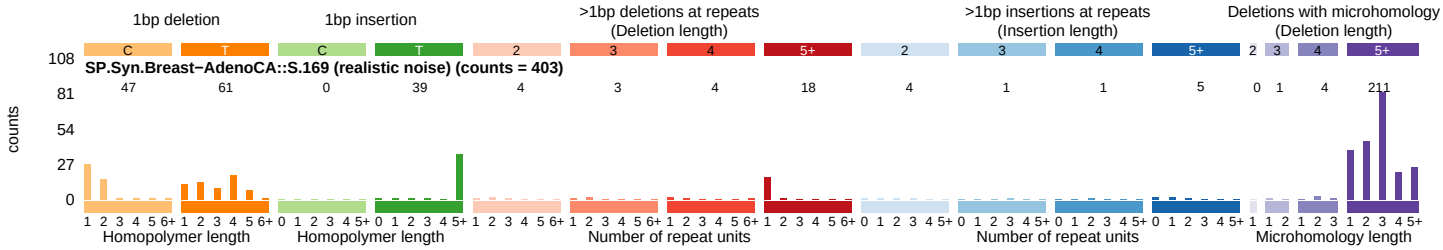
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.164 (realistic noise) (counts = 1167)
68 139 8 96 17 10 8 37 8 6 3 7 0 6 6 748
counts
Homopolymer length
Number of repeat units
Microhomology length

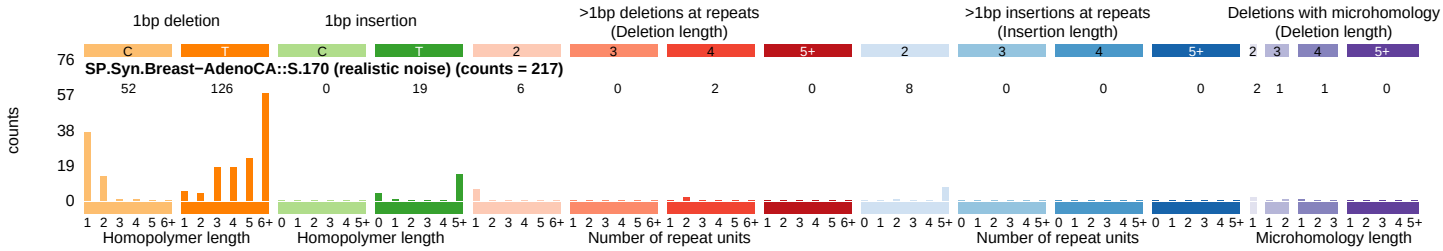

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.165 (realistic noise) (counts = 960)
85 237 3 45 13 12 6 30 10 5 1 18 0 9 11 475
counts
Homopolymer length
Number of repeat units
Microhomology length

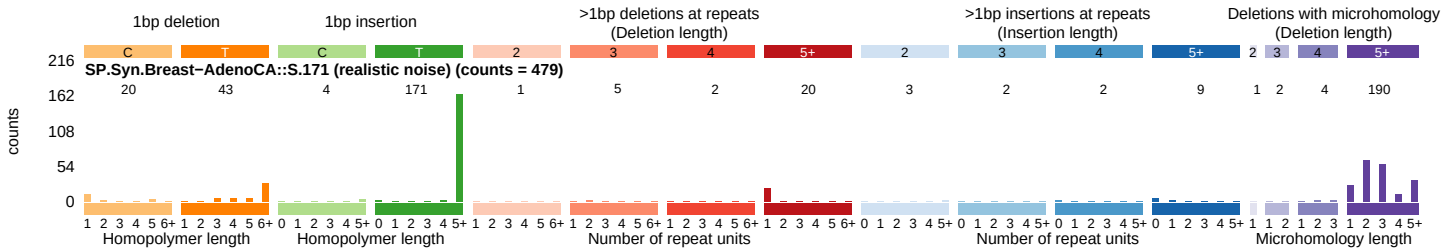

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.166 (realistic noise) (counts = 527)
52 54 4 209 8 4 5 29 7 2 1 2 1 4 2 143
counts
Homopolymer length
Number of repeat units
Microhomology length

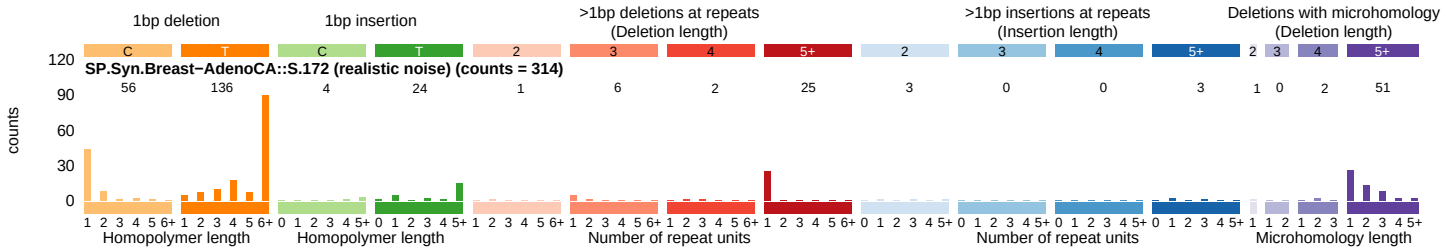

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.167 (realistic noise) (counts = 281)
16 143 1 61 4 3 1 4 5 1 1 0 0 0 2 39
counts
Homopolymer length
Number of repeat units
Microhomology length

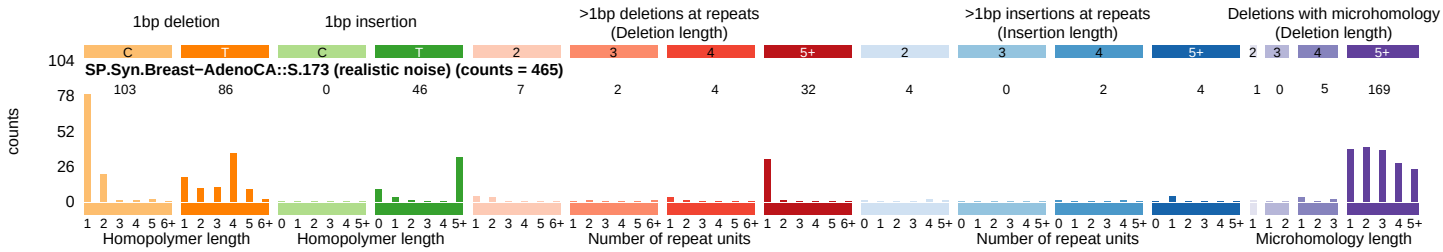

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.168 (realistic noise) (counts = 505)
29 127 9 105 4 7 0 76 6 1 3 2 1 4 3 128
counts
Homopolymer length
Number of repeat units
Microhomology length

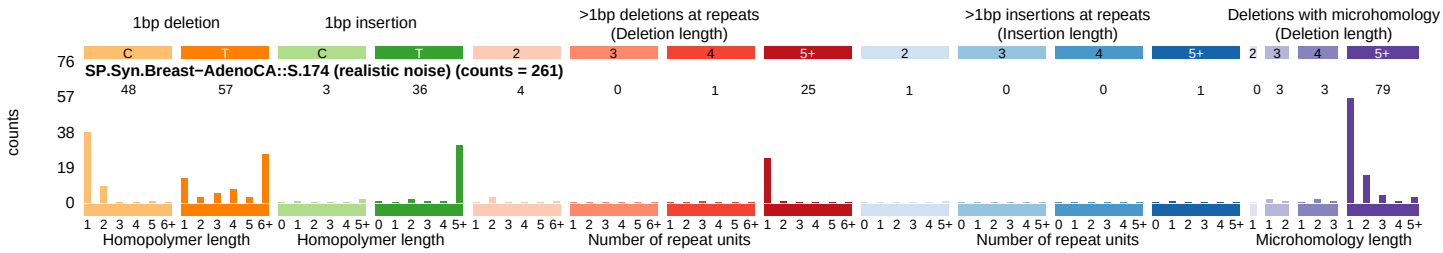

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.169 (realistic noise) (counts = 403)
counts
Homopolymer length
Number of repeat units
Microhomology length

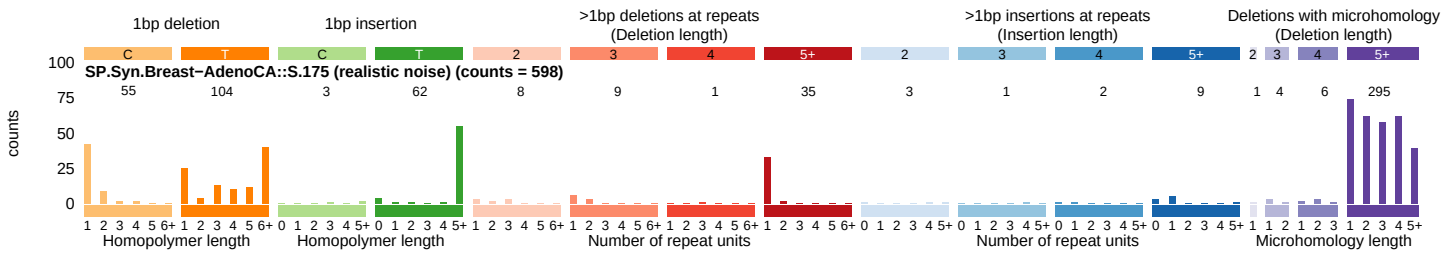

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.170 (realistic noise) (counts = 217)
counts
Homopolymer length
Number of repeat units
Microhomology length

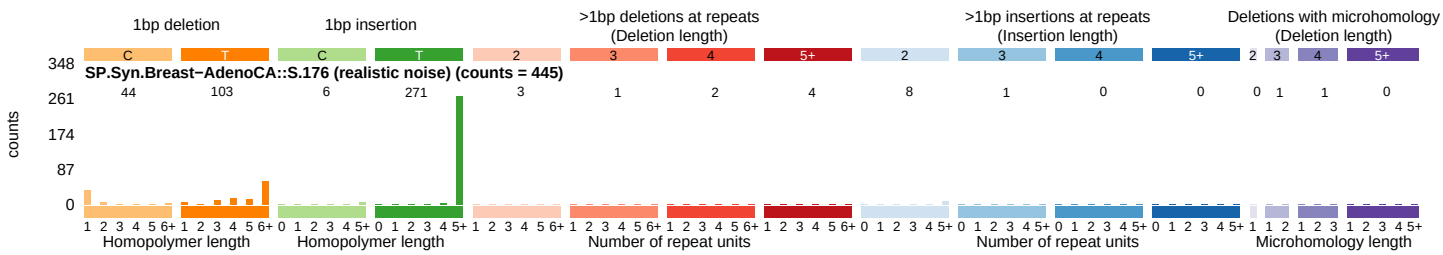

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.171 (realistic noise) (counts = 479)
counts
Homopolymer length
Number of repeat units
Microhomology length

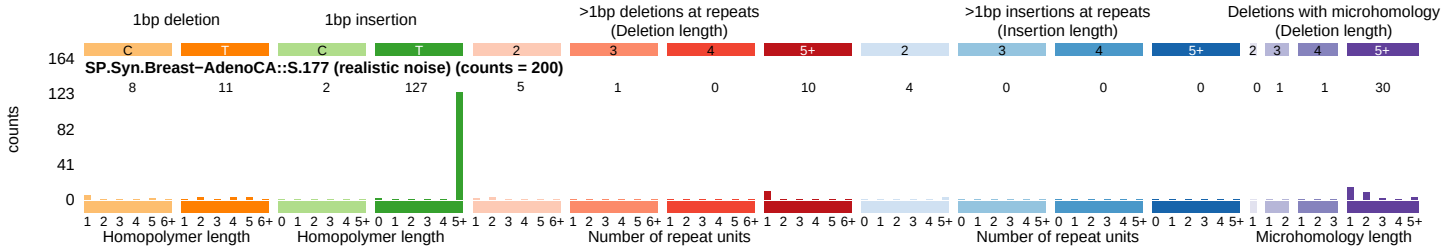

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.172 (realistic noise) (counts = 314)
counts
Homopolymer length
Number of repeat units
Microhomology length

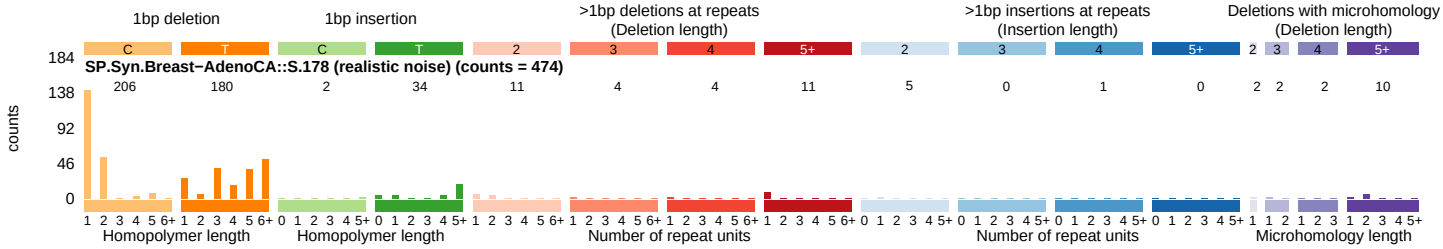

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.173 (realistic noise) (counts = 465)
counts
Homopolymer length
Number of repeat units
Microhomology length

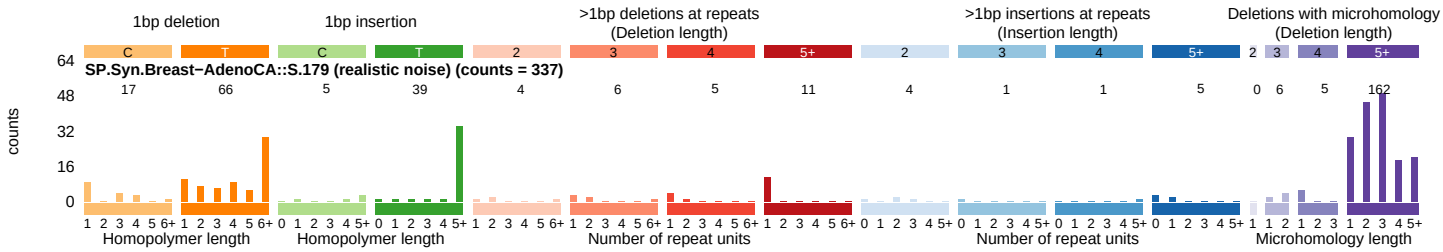

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.174 (realistic noise) (counts = 261)
counts
Homopolymer length
Number of repeat units
Microhomology length

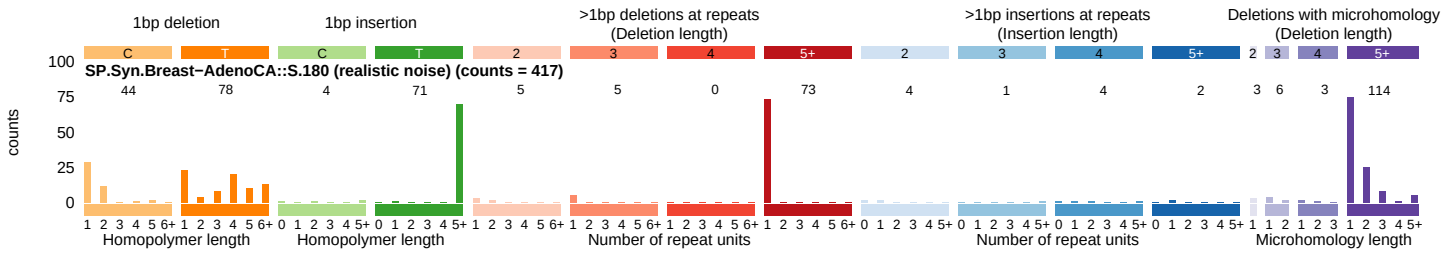

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.175 (realistic noise) (counts = 598)
counts
Homopolymer length
Number of repeat units
Microhomology length

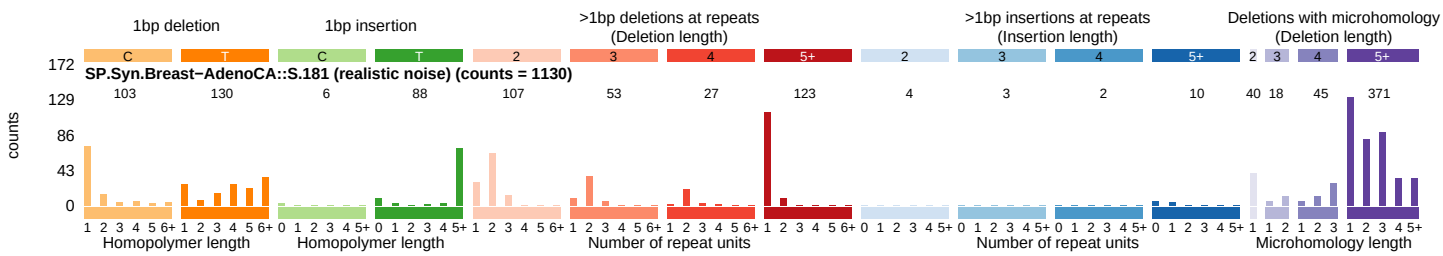

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Breast−AdenoCA::S.176 (realistic noise) (counts = 445)
counts
Homopolymer length
Number of repeat units
Microhomology length

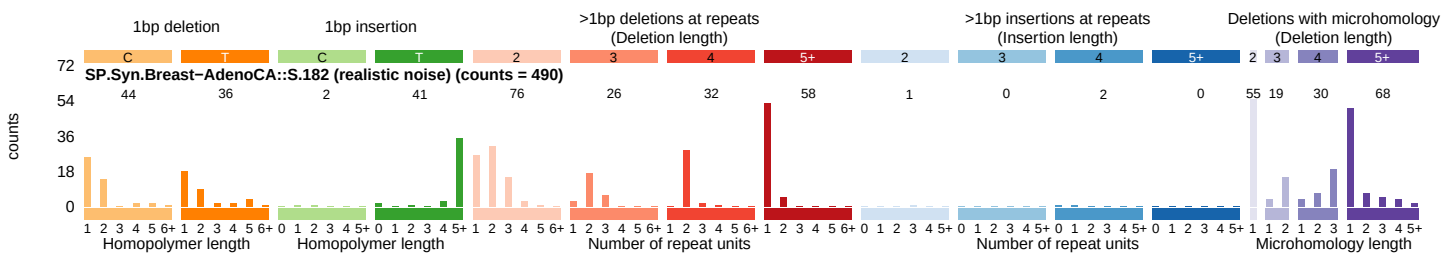

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.177 (realistic noise) (counts = 200)
8 11 2 127 5 1 0 10 4 0 0 0 0 1 1 30
counts
164 123 82 41 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

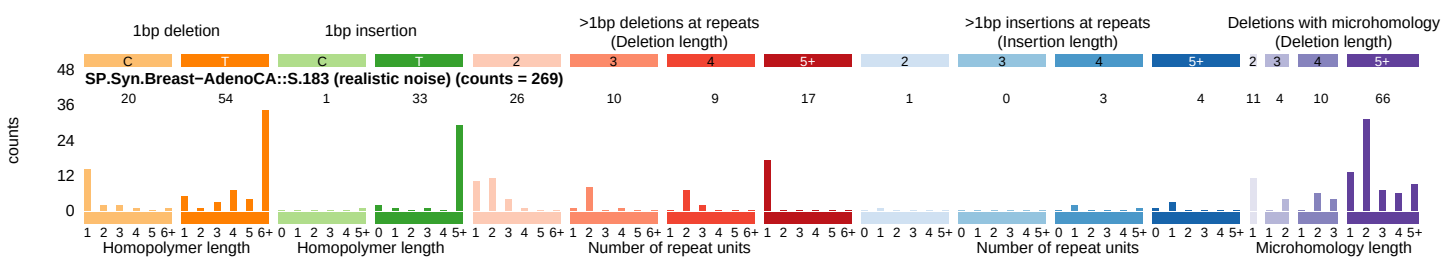

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.178 (realistic noise) (counts = 474)
206 180 2 34 11 4 4 11 5 0 1 0 2 2 2 10
counts
184 138 92 46 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

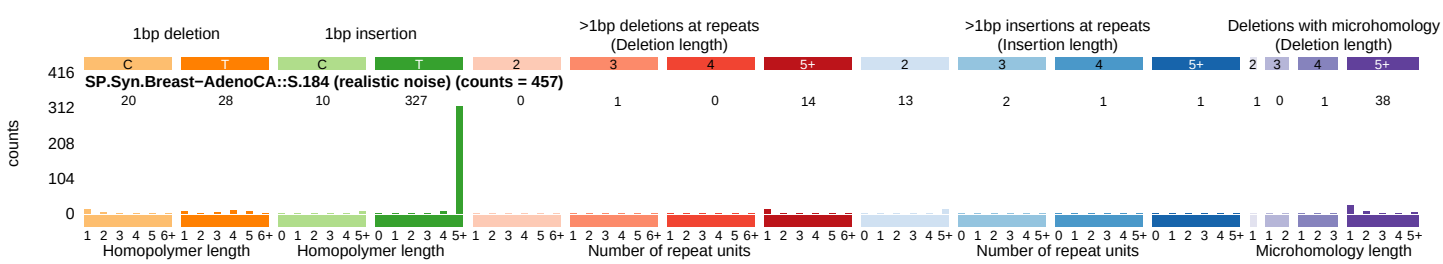

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.179 (realistic noise) (counts = 337)
17 66 5 39 4 6 5 11 4 1 1 5 0 6 5 162
counts
64 48 32 16 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

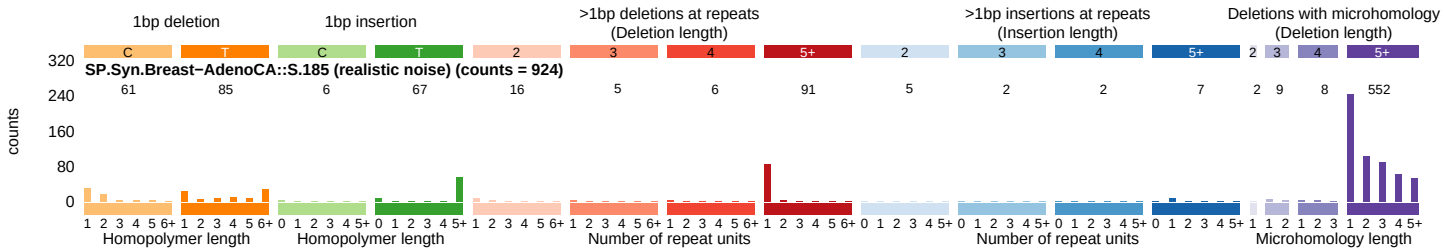

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.180 (realistic noise) (counts = 417)
44 78 4 71 5 5 0 73 4 1 4 2 3 6 3 114
counts
100 75 50 25 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.181 (realistic noise) (counts = 1130)
103 130 6 88 107 53 27 123 4 3 2 10 40 18 45 371
counts
172 129 86 43 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.182 (realistic noise) (counts = 490)
44 36 2 41 76 26 32 58 1 0 2 0 55 19 30 68
counts
72 54 36 18 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.183 (realistic noise) (counts = 269)
20 54 1 33 26 10 9 17 1 0 3 4 11 4 10 66
counts
48 36 24 12 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.184 (realistic noise) (counts = 457)
20 28 10 327 0 1 0 14 13 2 1 1 1 0 1 38
counts
416 312 208 104 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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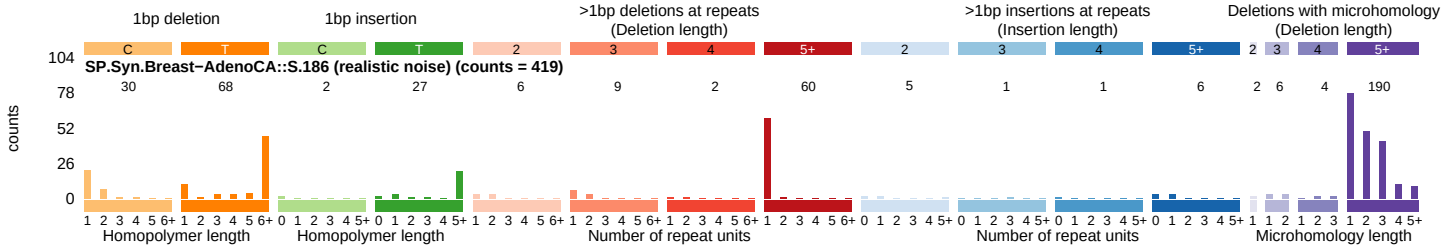
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.185 (realistic noise) (counts = 924)
61 85 6 67 16 5 6 91 5 2 2 7 2 9 8 552
counts
Homopolymer length
Number of repeat units
Microhomology length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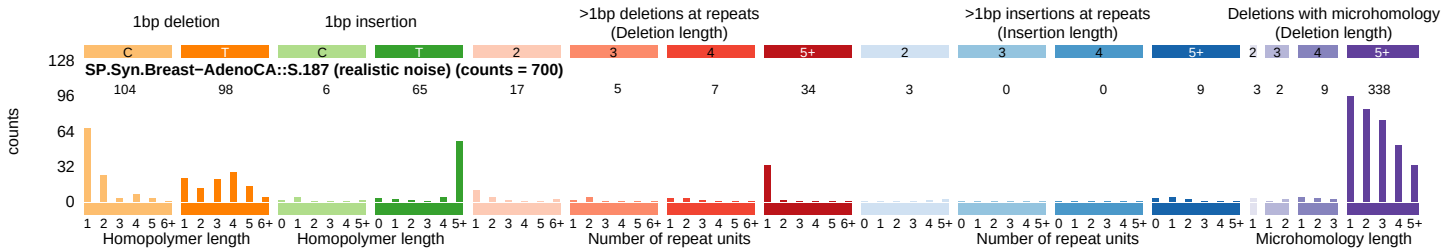
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.186 (realistic noise) (counts = 419)
30 68 2 27 6 9 2 60 5 1 1 6 2 6 4 190
counts
Homopolymer length
Number of repeat units
Microhomology length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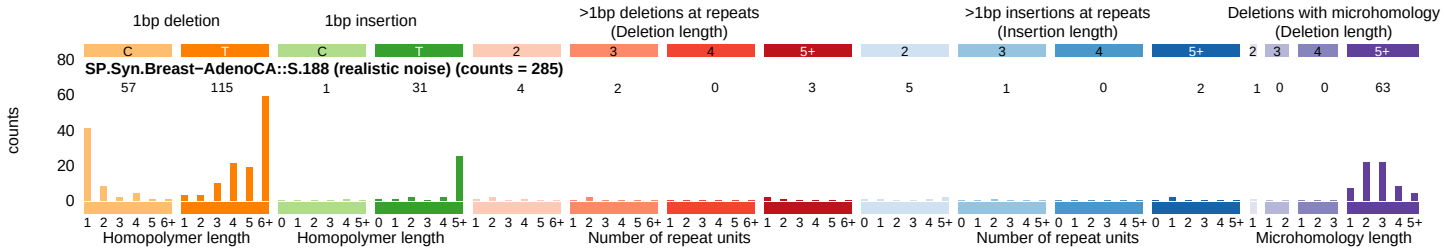
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.187 (realistic noise) (counts = 700)
104 98 6 65 17 5 7 34 3 0 0 9 3 2 9 338
counts
Homopolymer length
Number of repeat units
Microhomology length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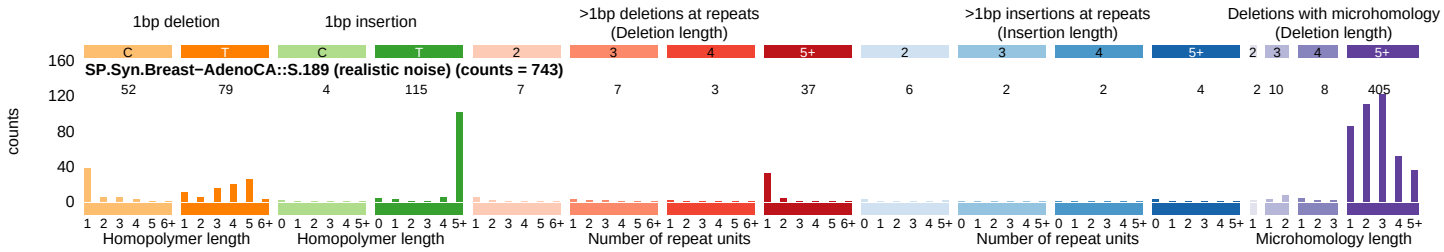
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.188 (realistic noise) (counts = 285)
57 115 1 31 4 2 0 3 5 1 0 2 1 0 0 63
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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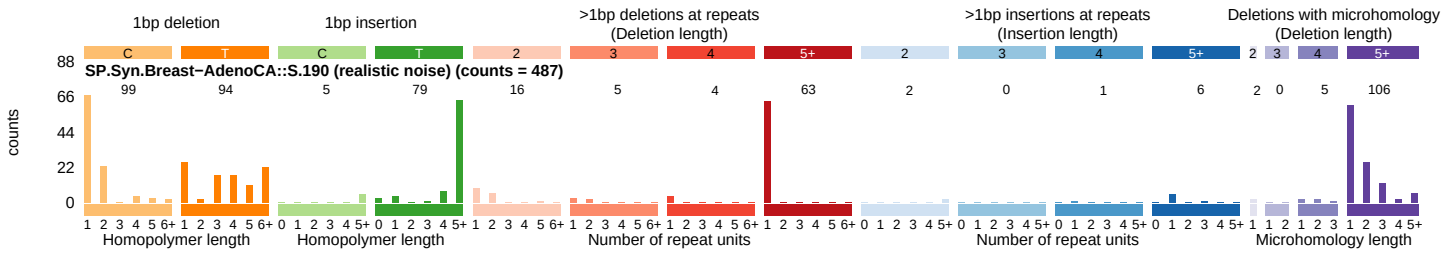
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.189 (realistic noise) (counts = 743)
52 79 4 115 7 7 3 37 6 2 2 4 2 10 8 405
counts
Homopolymer length
Number of repeat units
Microhomology length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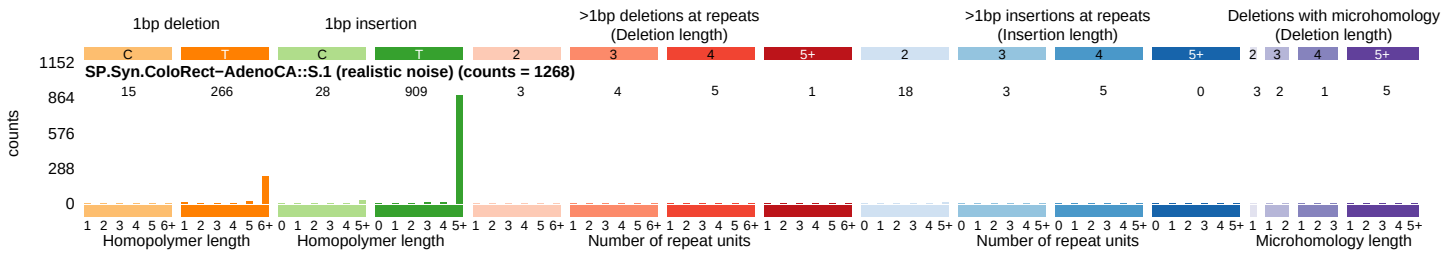
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Breast−AdenoCA::S.190 (realistic noise) (counts = 487)
99 94 5 79 16 5 4 63 2 0 1 6 2 0 5 106
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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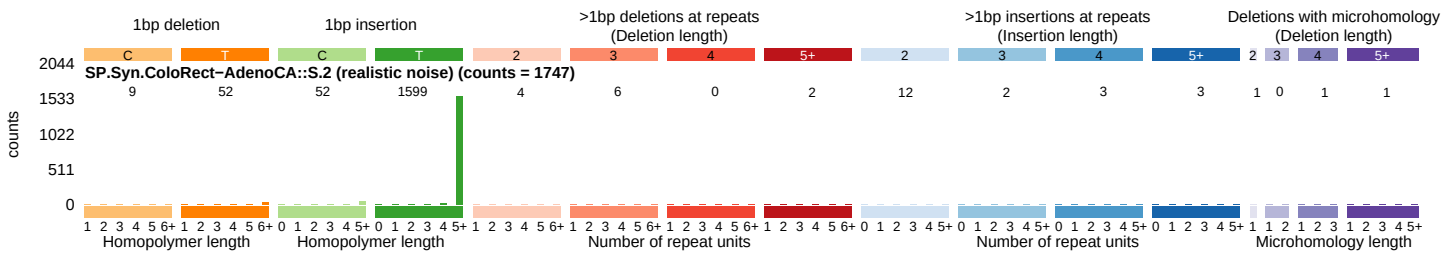
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.ColoRect−AdenoCA::S.1 (realistic noise) (counts = 1268)
15 266 28 909 3 4 5 1 18 3 5 0 3 2 1 5
counts
Homopolymer length
Number of repeat units
Microhomology length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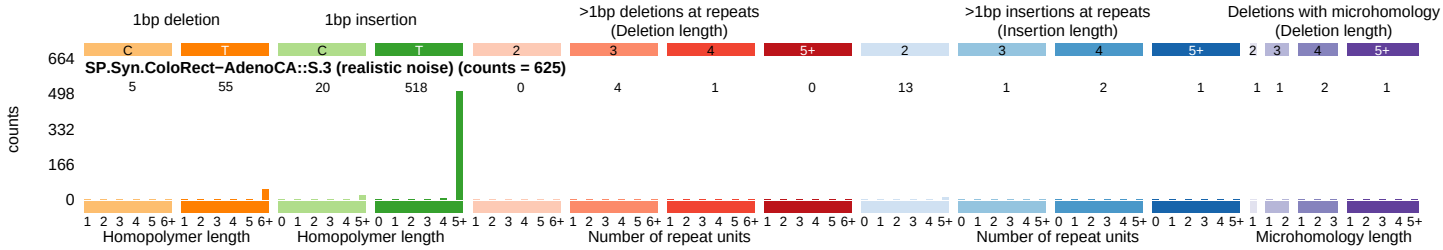
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.ColoRect−AdenoCA::S.2 (realistic noise) (counts = 1747)
9 52 52 1599 4 6 0 2 12 2 3 3 1 0 1 1
counts
Homopolymer length
Number of repeat units
Microhomology length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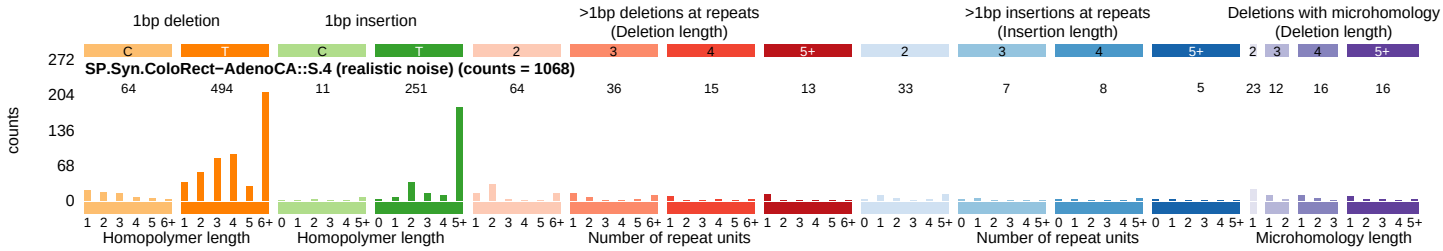
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.3 (realistic noise) (counts = 625)
5 55 20 518 0 4 1 0 13 1 2 1 1 1 2 1
counts
Homopolymer length
Number of repeat units
Microhomology length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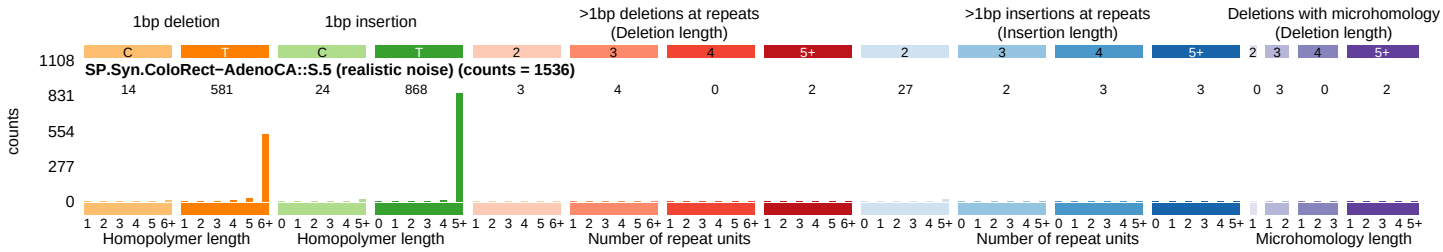
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.4 (realistic noise) (counts = 1068)
64 494 11 251 64 36 15 13 33 7 8 5 23 12 16 16
counts
Homopolymer length
Number of repeat units
Microhomology length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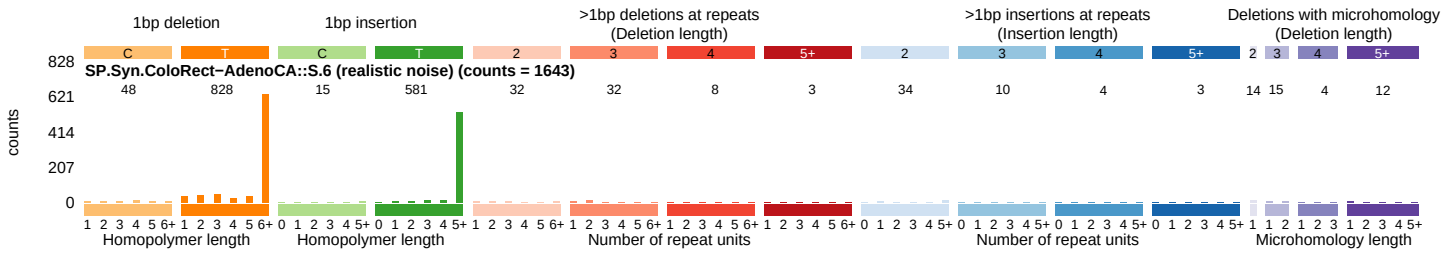
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.5 (realistic noise) (counts = 1536)
14 581 24 868 3 4 0 2 27 2 3 3 0 3 0 2
counts
Homopolymer length
Number of repeat units
Microhomology length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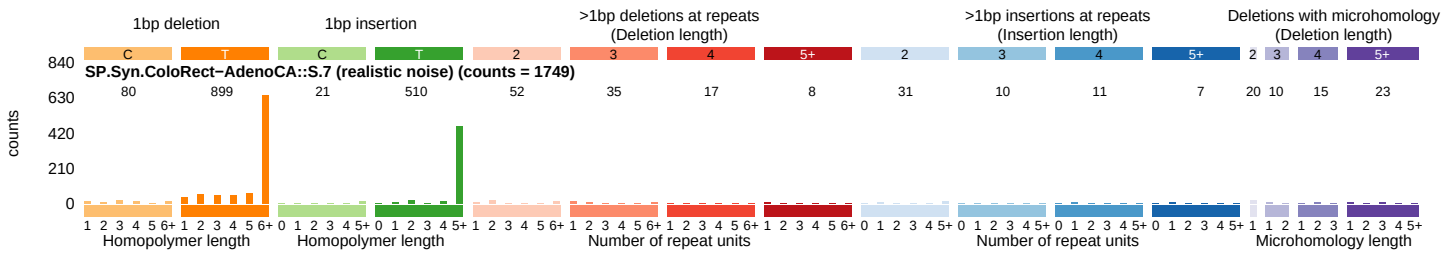
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.6 (realistic noise) (counts = 1643)
48 828 15 581 32 32 8 3 34 10 4 3 14 15 4 12
counts
Homopolymer length
Number of repeat units
Microhomology length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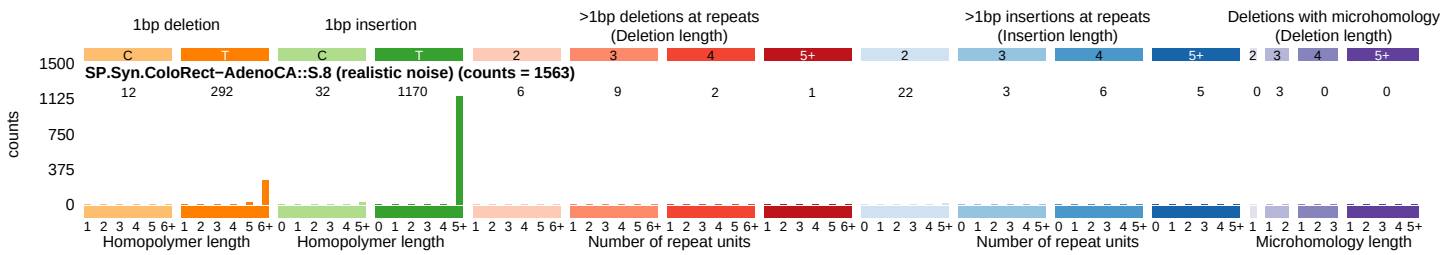
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.7 (realistic noise) (counts = 1749)
80 899 21 510 52 35 17 8 31 10 11 7 20 10 15 23
counts
Homopolymer length
Number of repeat units
Microhomology length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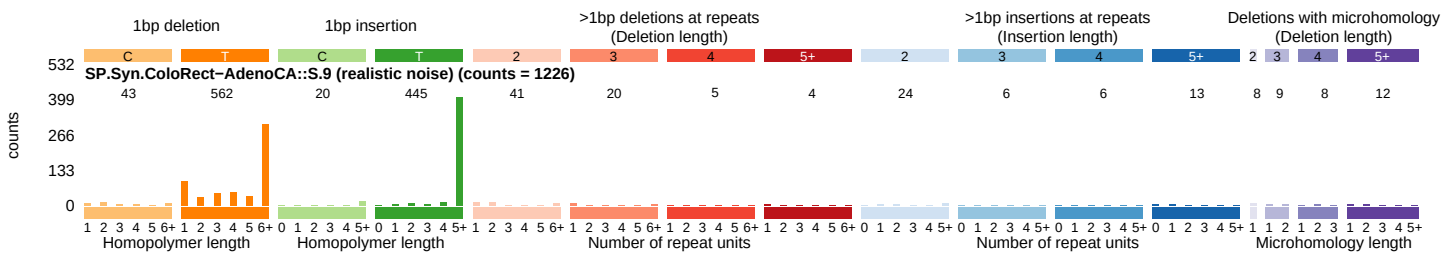
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.8 (realistic noise) (counts = 1563)
12 292 32 1170 6 9 2 1 22 3 6 5 0 3 0 0
counts
Homopolymer length
Number of repeat units
Microhomology length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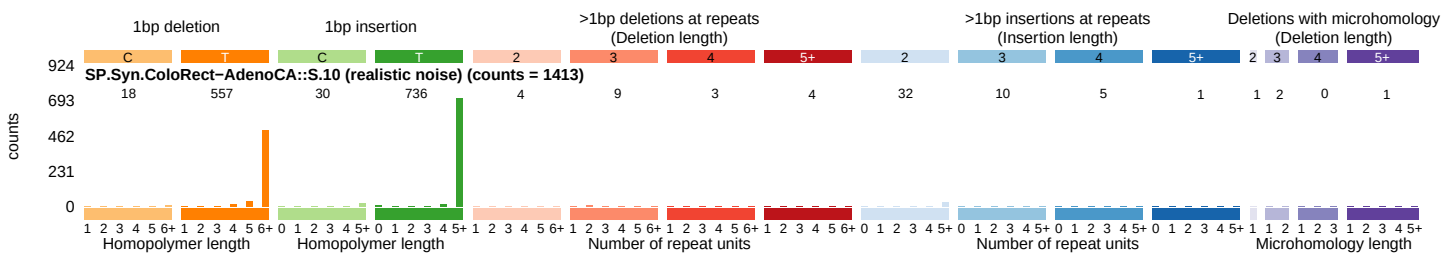
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.9 (realistic noise) (counts = 1226)
43 562 20 445 41 20 5 4 24 6 6 13 8 9 8 12
counts
Homopolymer length
Number of repeat units
Microhomology length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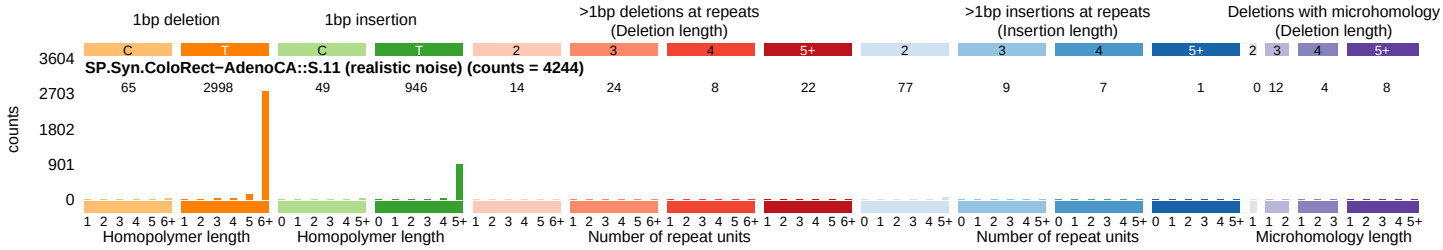
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.10 (realistic noise) (counts = 1413)
18 557 30 736 4 9 3 4 32 10 5 1 1 2 0 1
counts
Homopolymer length
Number of repeat units
Microhomology length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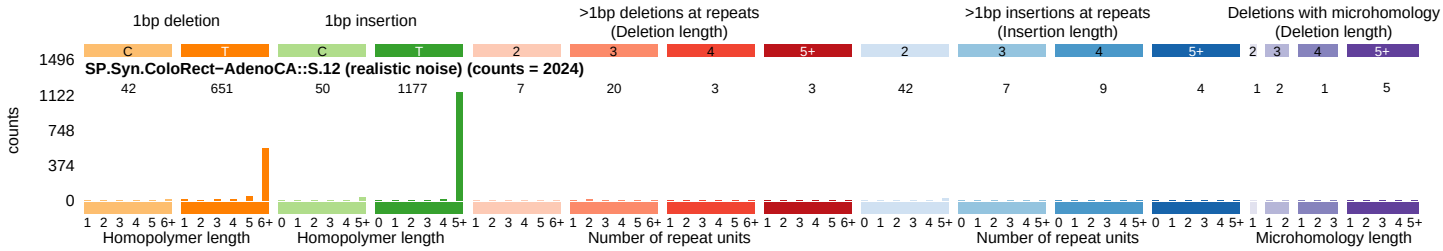
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.11 (realistic noise) (counts = 4244)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
65 2998 49 946 14 24 8 22 77 9 7 1 0 12 4 8
counts
3604 2703 1802 901 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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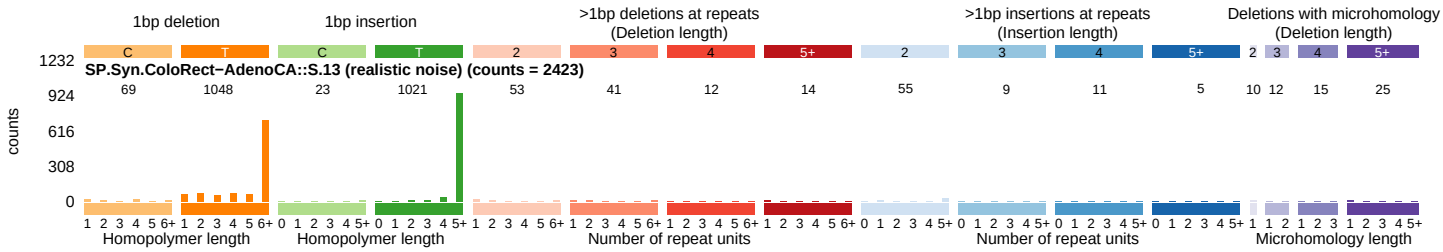
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.12 (realistic noise) (counts = 2024)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
42 651 50 1177 7 20 3 3 42 7 9 4 1 2 1 5
counts
1496 1122 748 374 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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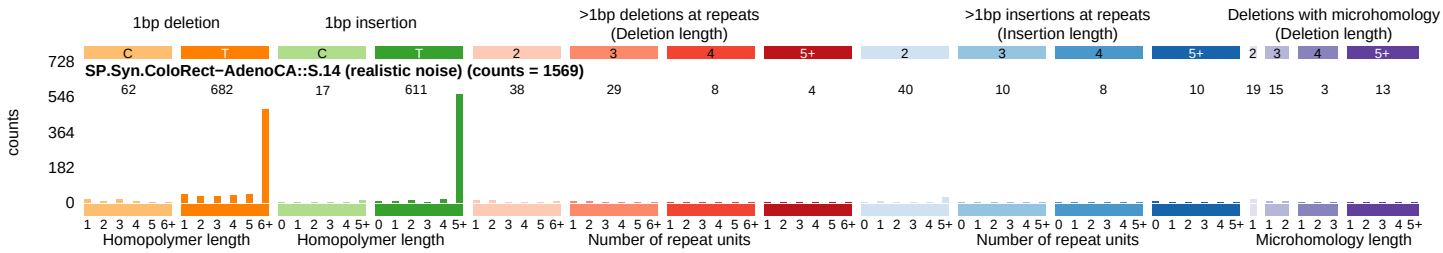
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.13 (realistic noise) (counts = 2423)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
69 1048 23 1021 53 41 12 14 55 9 11 5 10 12 15 25
counts
1232 924 616 308 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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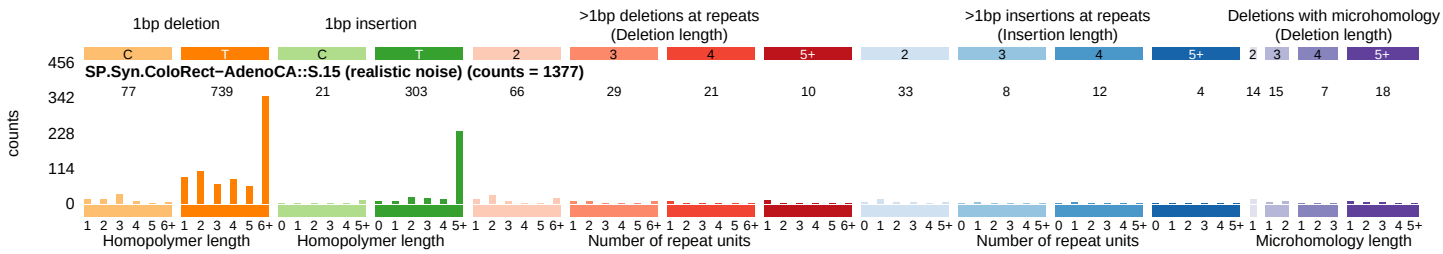
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.14 (realistic noise) (counts = 1569)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
62 682 17 611 38 29 8 4 40 10 8 10 19 15 3 13
counts
728 546 364 182 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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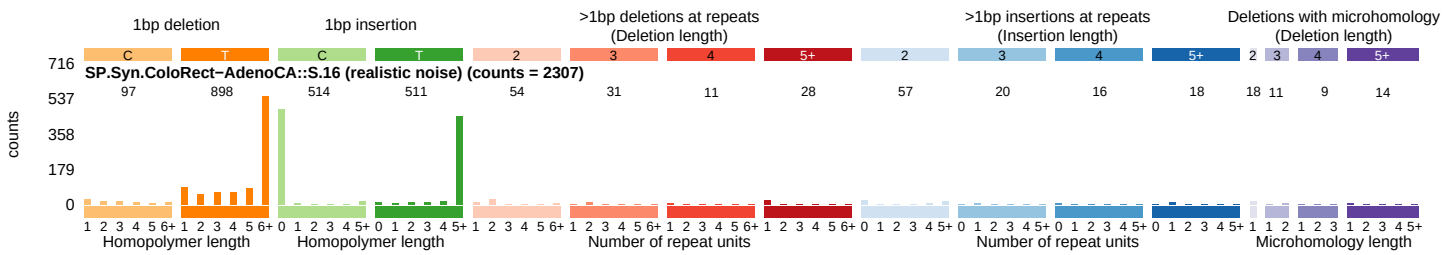
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.15 (realistic noise) (counts = 1377)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
77 739 21 303 66 29 21 10 33 8 12 4 14 15 7 18
counts
456 342 228 114 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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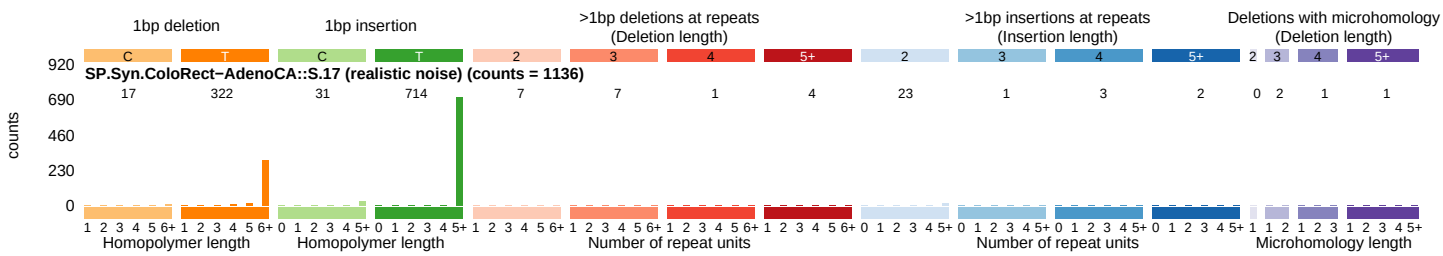
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.16 (realistic noise) (counts = 2307)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
97 898 514 511 54 31 11 28 57 20 16 18 18 11 9 14
counts
716 537 358 179 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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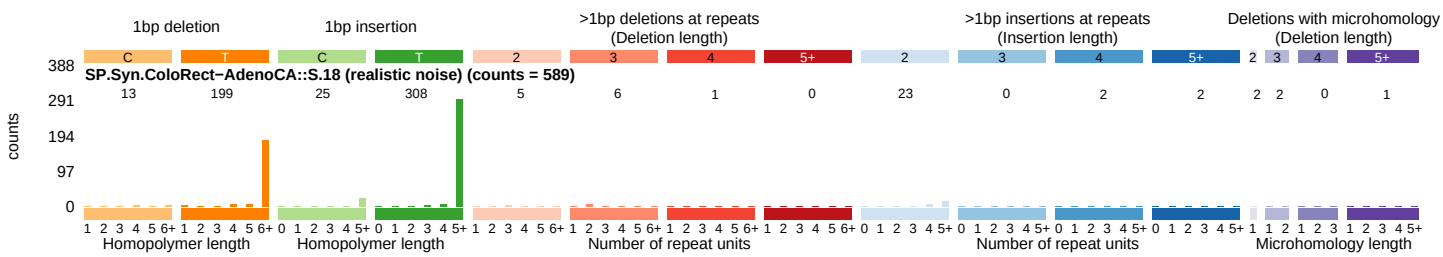
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.17 (realistic noise) (counts = 1136)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
17 322 31 714 7 7 1 4 23 1 3 2 0 2 1 1
counts
920 690 460 230 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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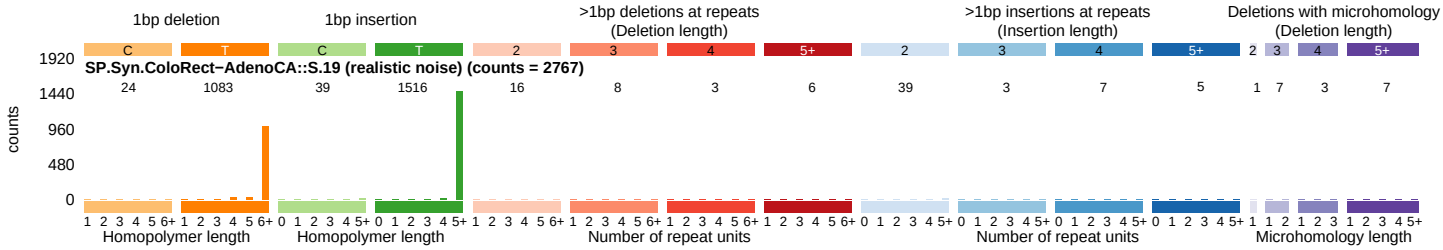
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.18 (realistic noise) (counts = 589)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
13 199 25 308 5 6 1 0 23 0 2 2 2 2 0 1
counts
388 291 194 97 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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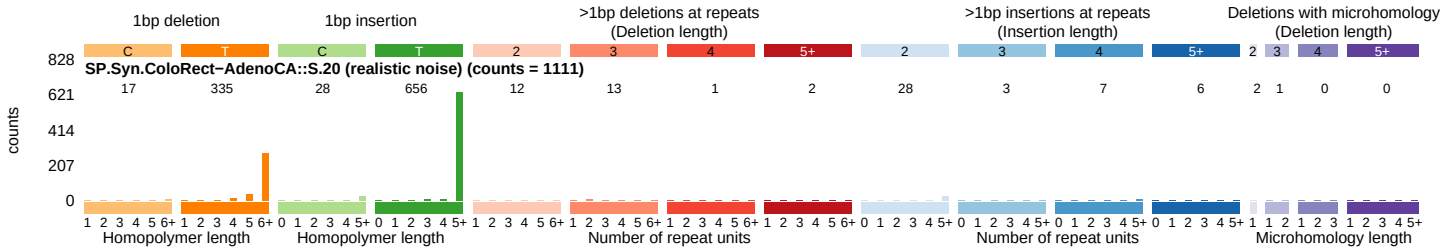
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.19 (realistic noise) (counts = 2767)
counts
Homopolymer length
Number of repeat units
Microhomology length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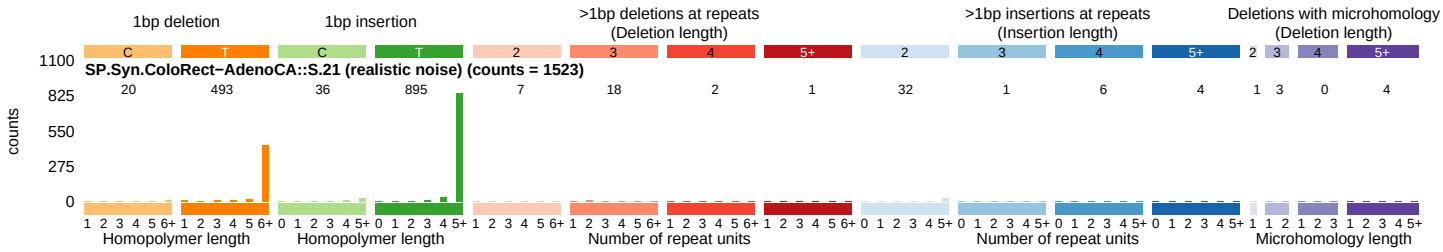
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.20 (realistic noise) (counts = 1111)
counts
Homopolymer length
Number of repeat units
Microhomology length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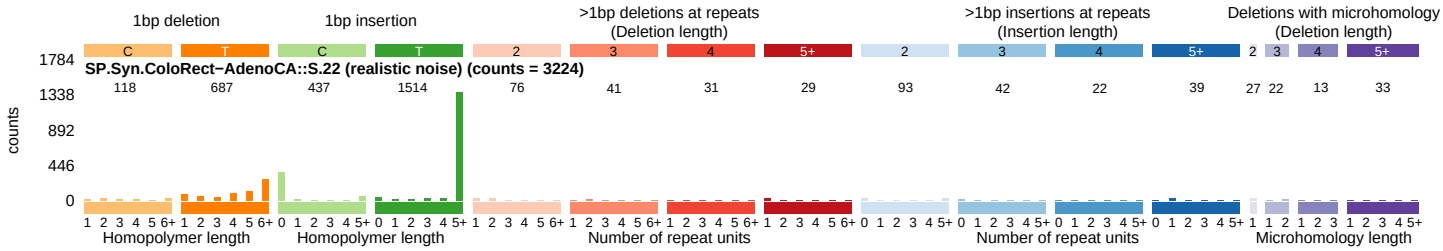
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.21 (realistic noise) (counts = 1523)
counts
Homopolymer length
Number of repeat units
Microhomology length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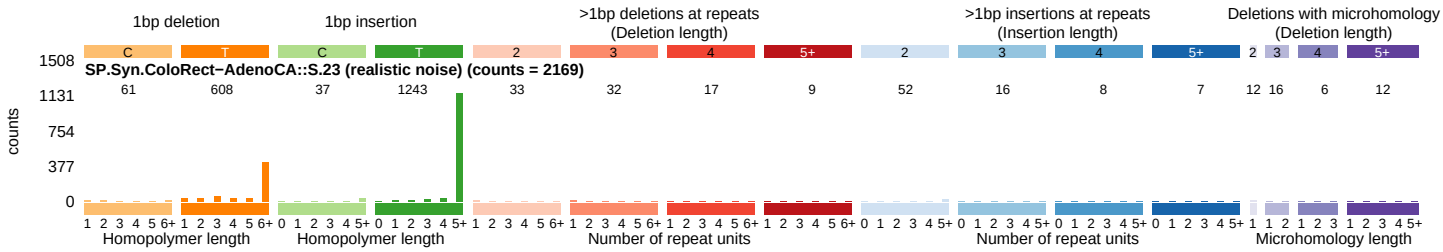
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.22 (realistic noise) (counts = 3224)
counts
Homopolymer length
Number of repeat units
Microhomology length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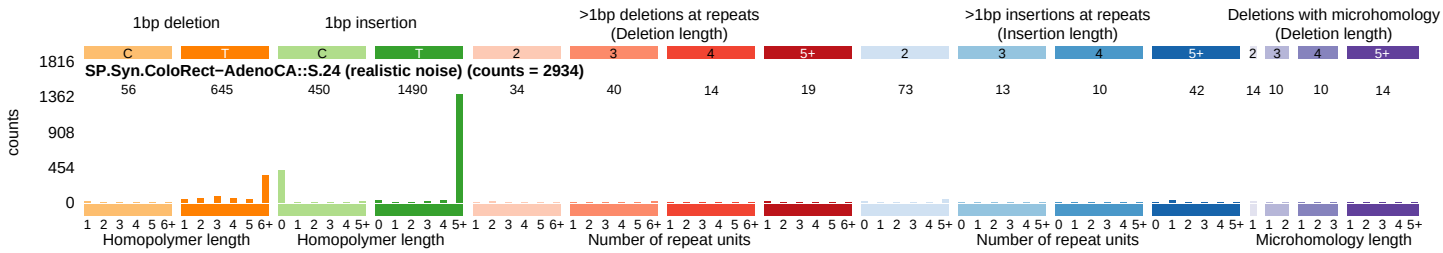
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.23 (realistic noise) (counts = 2169)
counts
Homopolymer length
Number of repeat units
Microhomology length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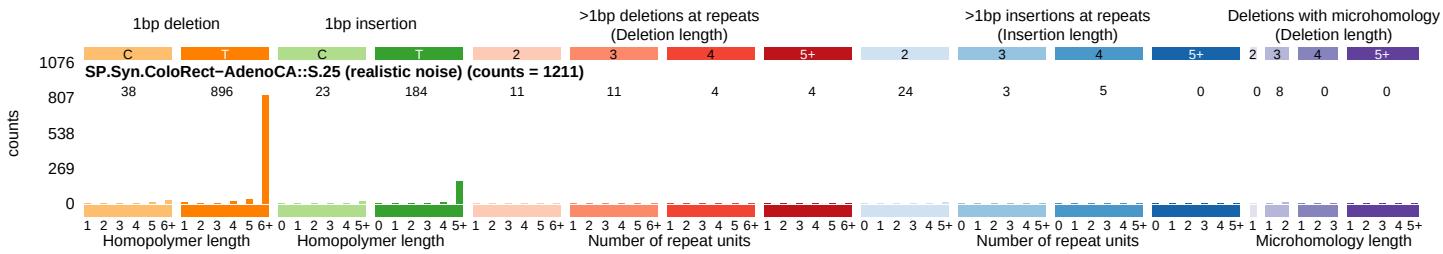
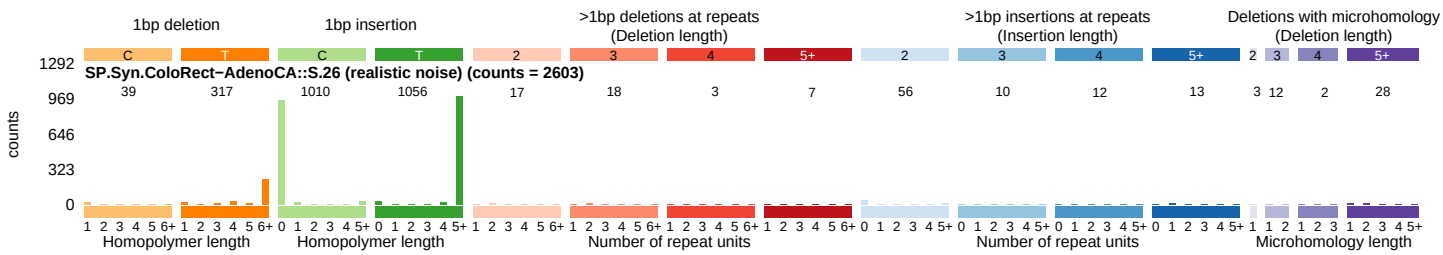
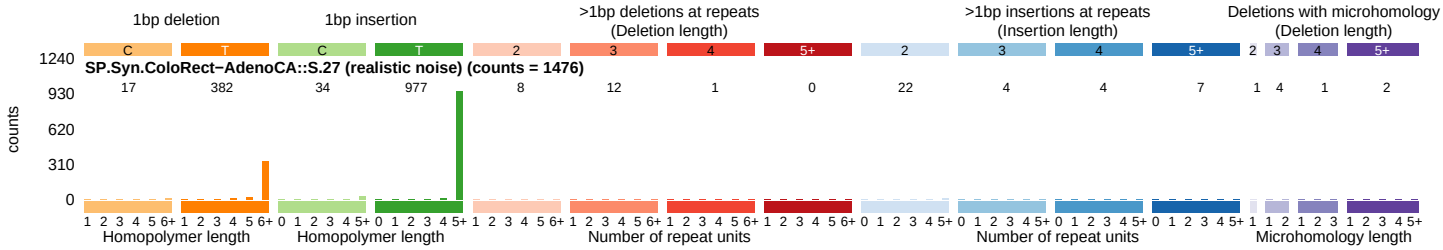
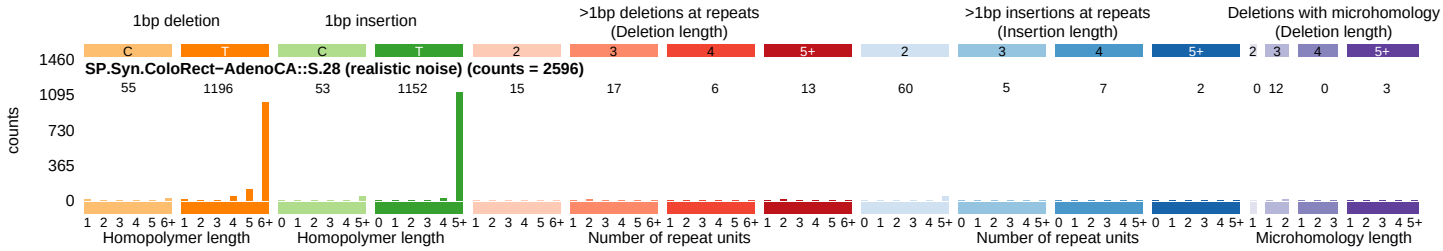
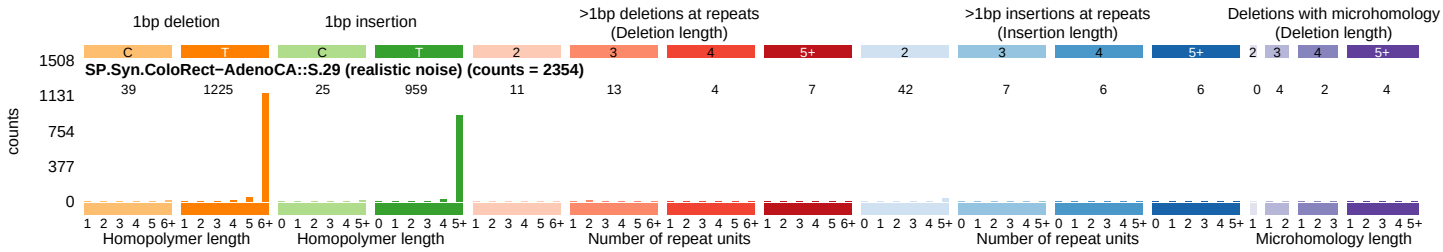
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.24 (realistic noise) (counts = 2934)
counts
Homopolymer length
Number of repeat units
Microhomology length

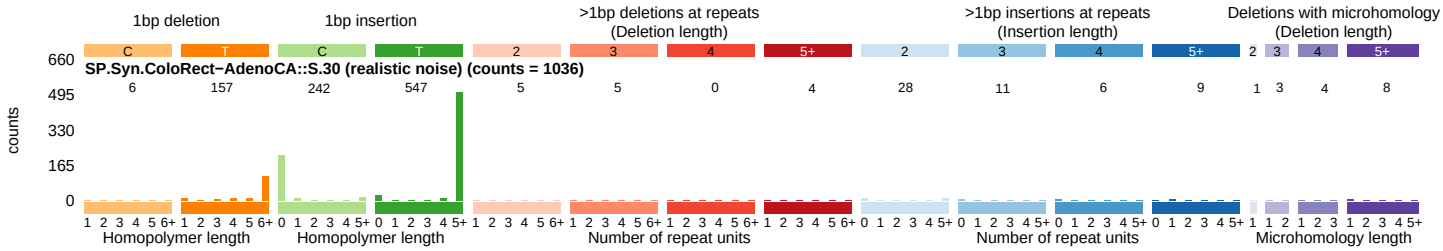

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.25 (realistic noise) (counts = 1211)
counts
Homopolymer length
Number of repeat units
Microhomology length

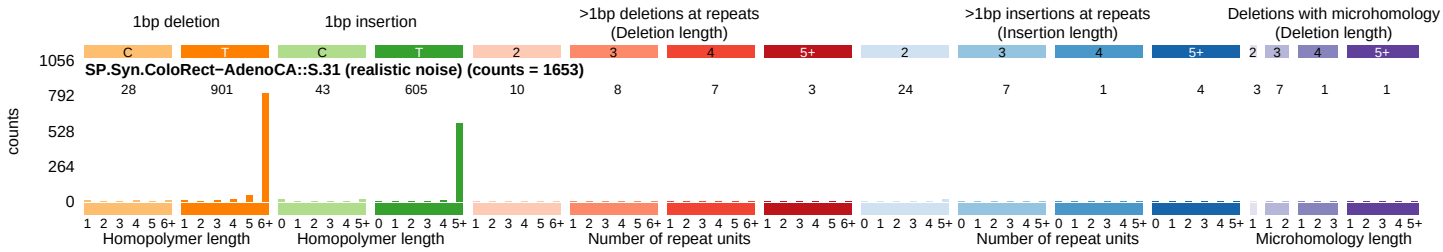

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.26 (realistic noise) (counts = 2603)
counts
Homopolymer length
Number of repeat units
Microhomology length

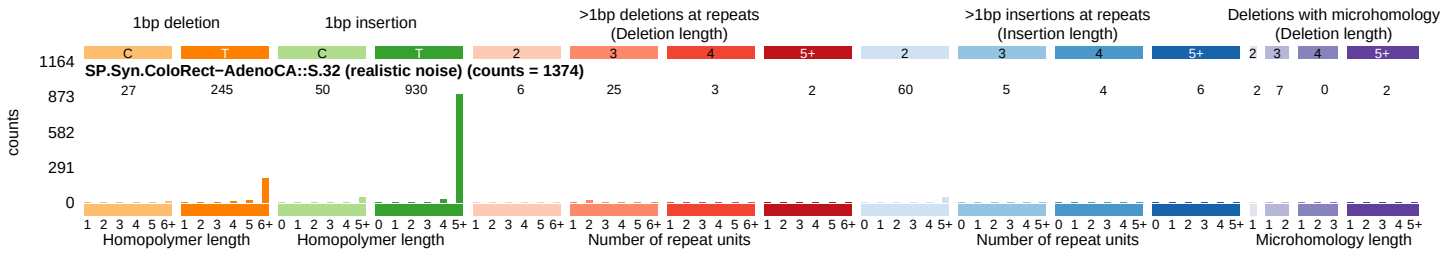

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.27 (realistic noise) (counts = 1476)
counts
Homopolymer length
Number of repeat units
Microhomology length

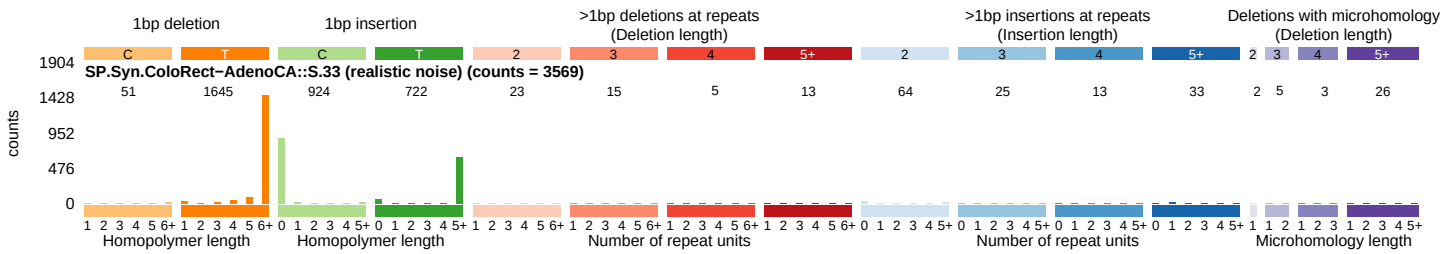

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.28 (realistic noise) (counts = 2596)
counts
Homopolymer length
Number of repeat units
Microhomology length

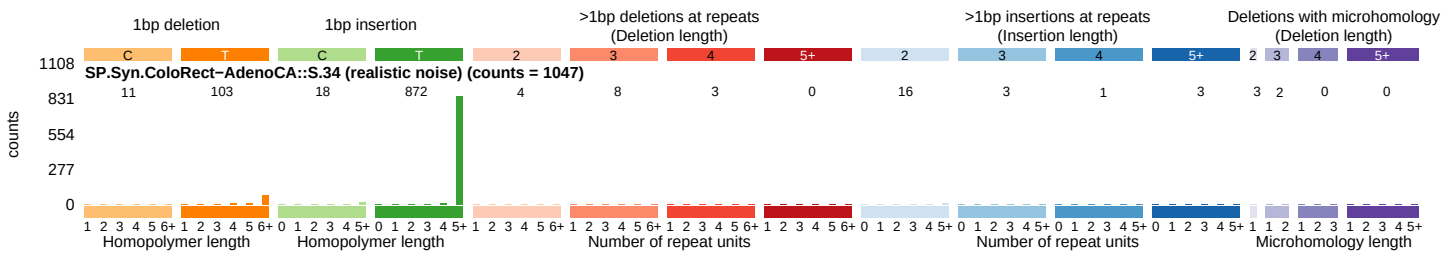

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.29 (realistic noise) (counts = 2354)
counts
Homopolymer length
Number of repeat units
Microhomology length

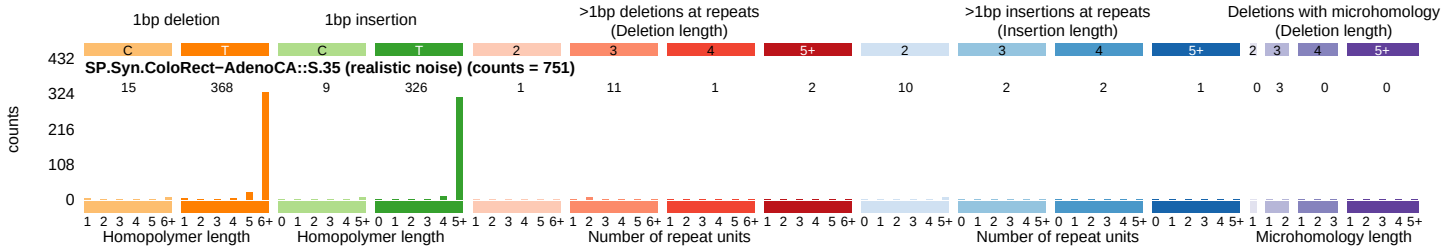

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.30 (realistic noise) (counts = 1036)
counts
Homopolymer length
Number of repeat units
Microhomology length

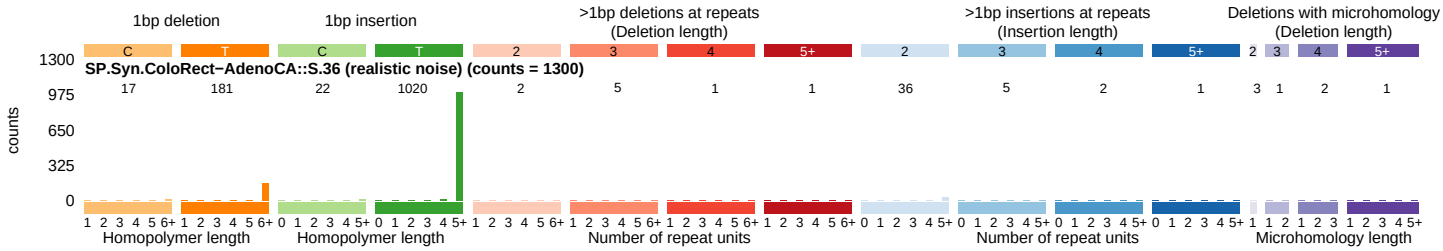

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.31 (realistic noise) (counts = 1653)
counts
Homopolymer length
Number of repeat units
Microhomology length

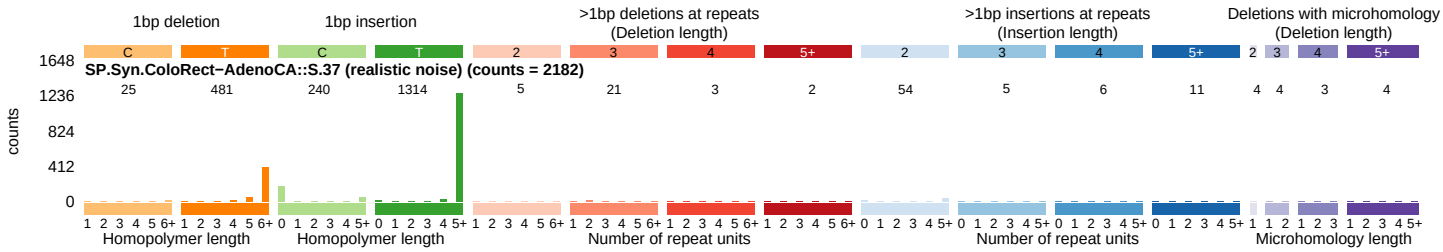

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.32 (realistic noise) (counts = 1374)
counts
Homopolymer length
Number of repeat units
Microhomology length

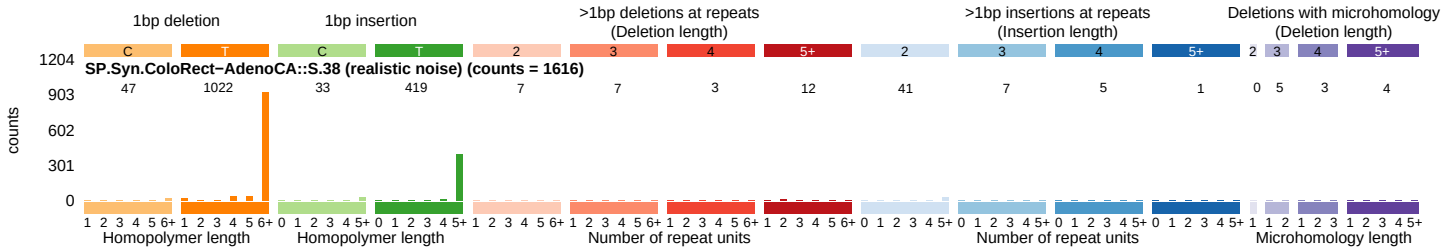

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.33 (realistic noise) (counts = 3569)
counts
Homopolymer length
Number of repeat units
Microhomology length

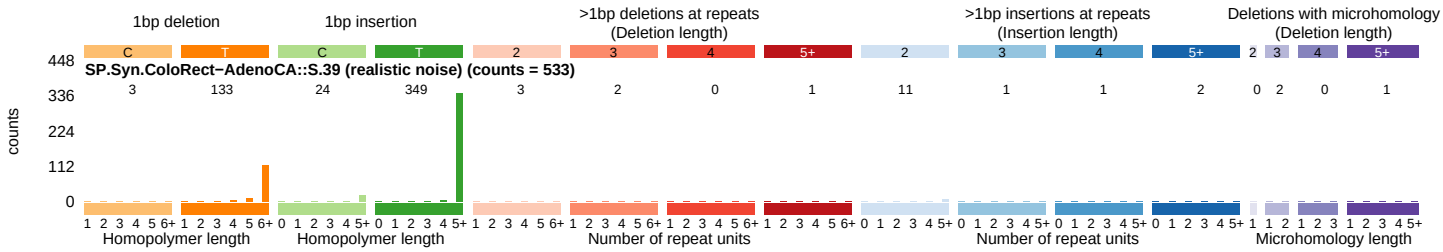

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.34 (realistic noise) (counts = 1047)
counts
Homopolymer length
Number of repeat units
Microhomology length

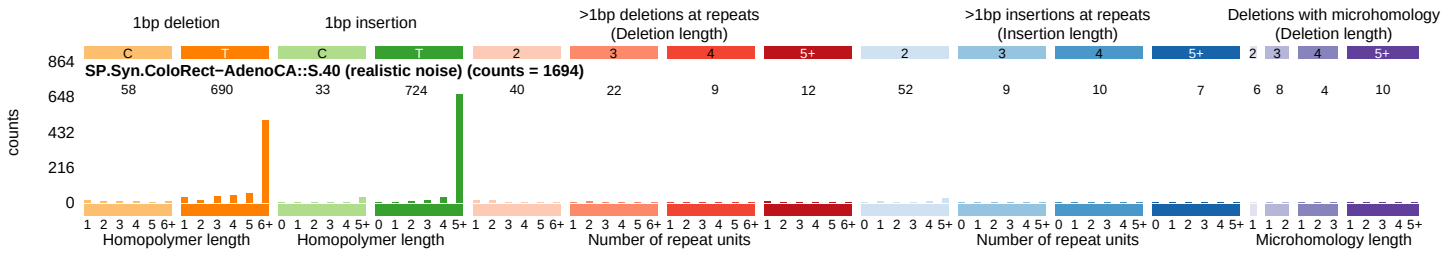

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.35 (realistic noise) (counts = 751)
counts
Homopolymer length
Number of repeat units
Microhomology length

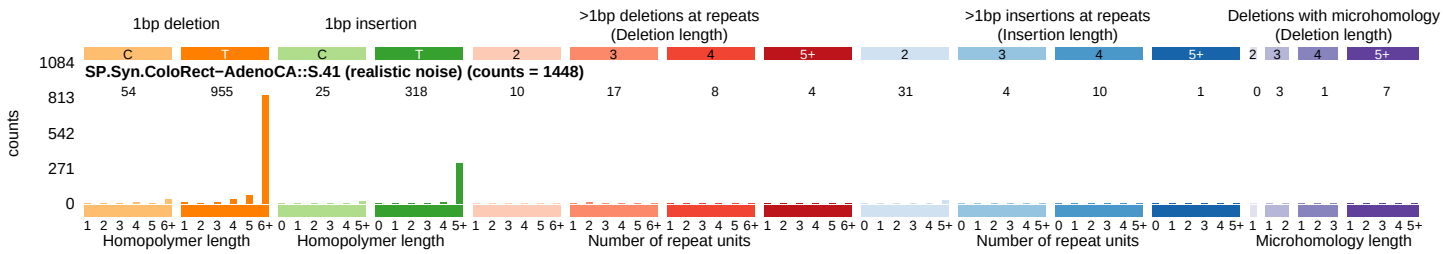

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.36 (realistic noise) (counts = 1300)
counts
Homopolymer length
Number of repeat units
Microhomology length

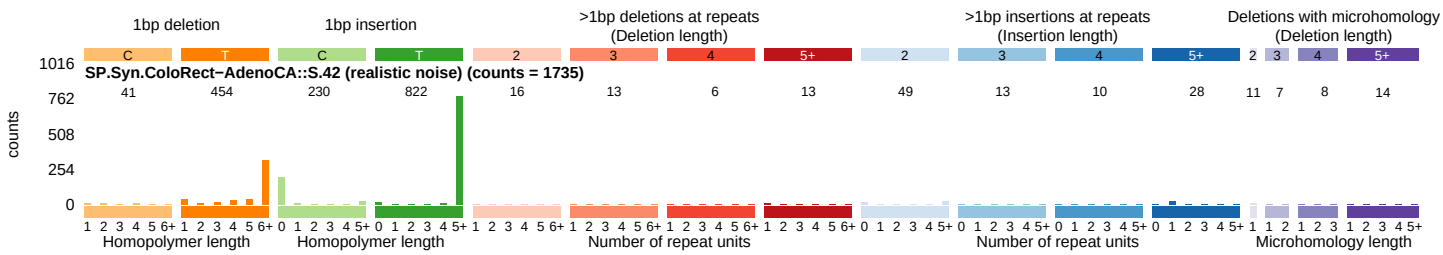

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.37 (realistic noise) (counts = 2182)
counts
Homopolymer length
Number of repeat units
Microhomology length

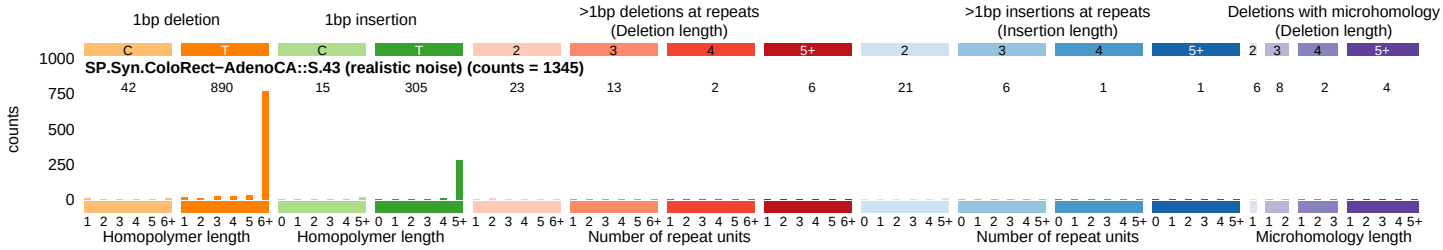

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.38 (realistic noise) (counts = 1616)
counts
Homopolymer length
Number of repeat units
Microhomology length

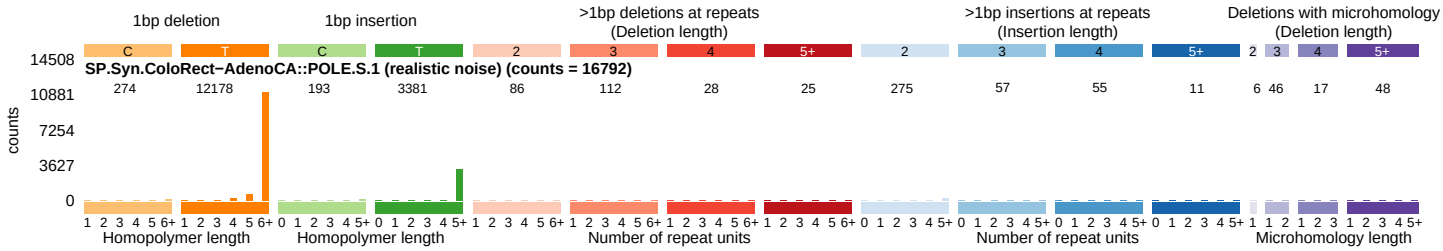

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.39 (realistic noise) (counts = 533)
counts
Homopolymer length
Number of repeat units
Microhomology length

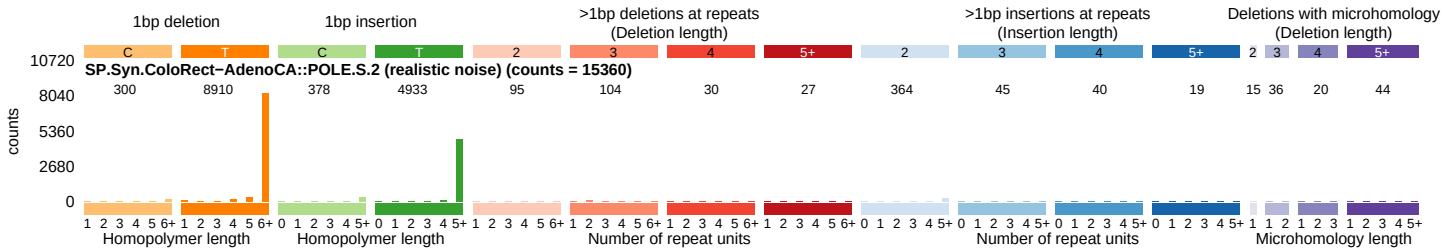

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.40 (realistic noise) (counts = 1694)
counts
Homopolymer length
Number of repeat units
Microhomology length

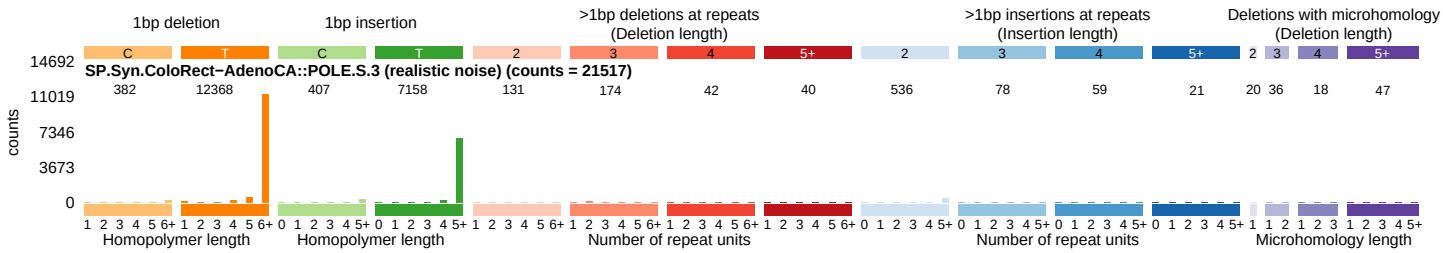

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.41 (realistic noise) (counts = 1448)
counts
Homopolymer length
Number of repeat units
Microhomology length

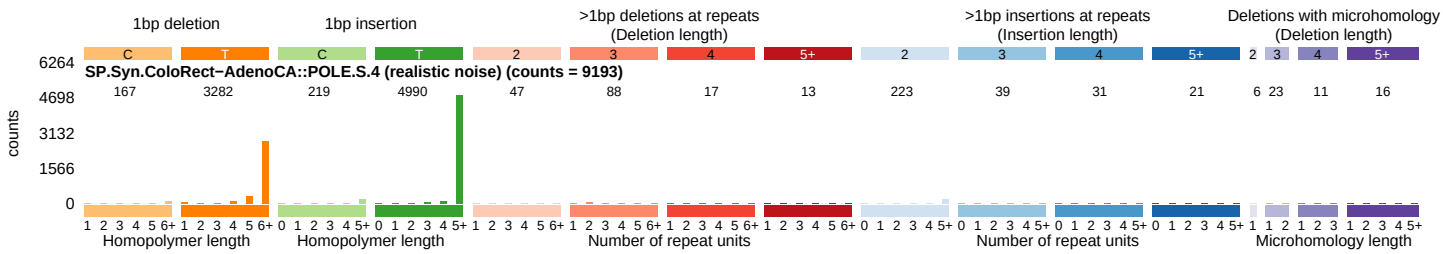

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.42 (realistic noise) (counts = 1735)
counts
Homopolymer length
Number of repeat units
Microhomology length

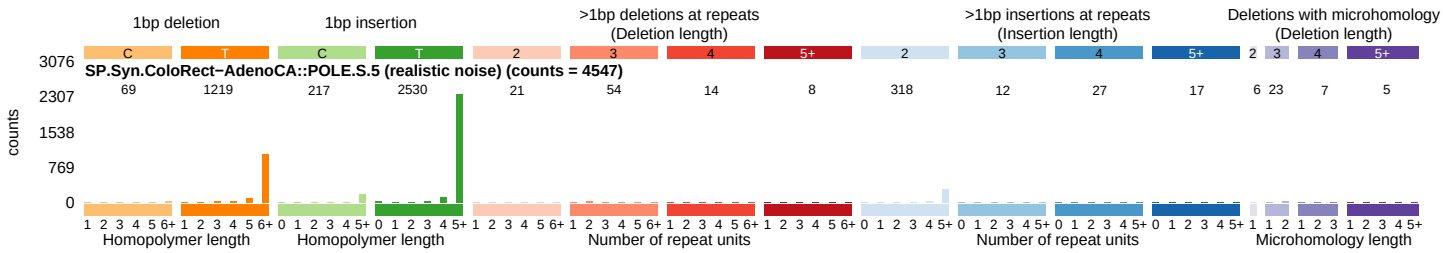

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::S.43 (realistic noise) (counts = 1345)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
42 890 15 305 23 13 2 6 21 6 1 1 6 8 2 4
counts
1000 750 500 250 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

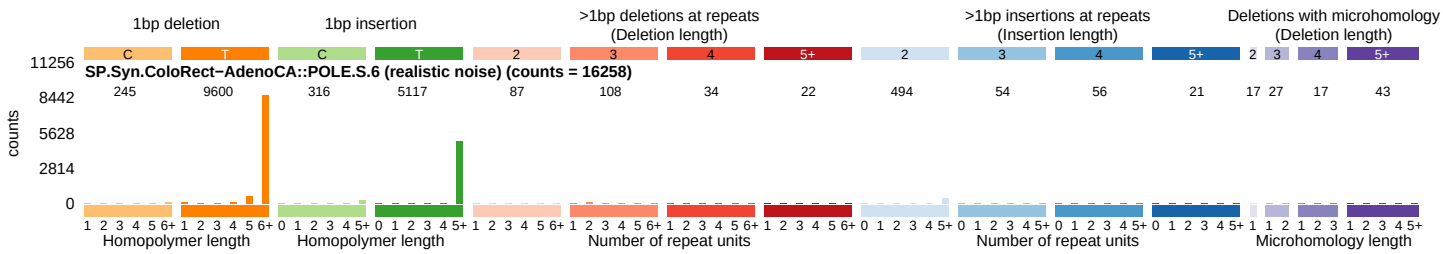

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::POLE.S.1 (realistic noise) (counts = 16792)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
274 12178 193 3381 86 112 28 25 275 57 55 11 6 46 17 48
counts
14508 10881 7254 3627 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

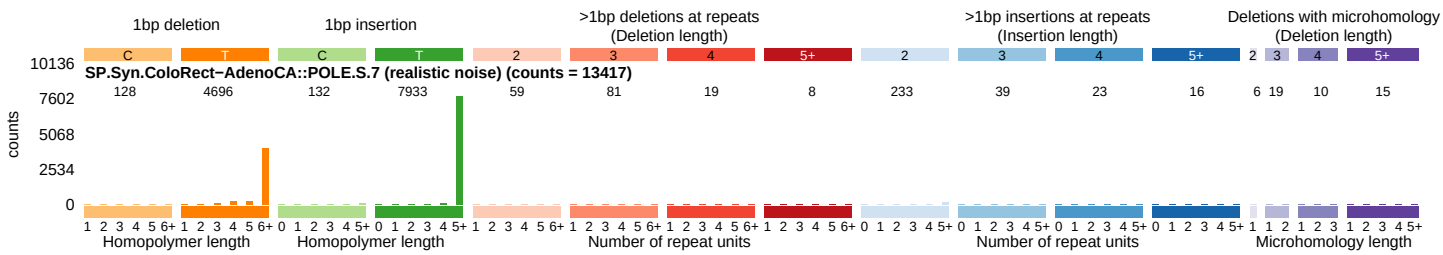

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::POLE.S.2 (realistic noise) (counts = 15360)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
300 8910 378 4933 95 104 30 27 364 45 40 19 15 36 20 44
counts
10720 8040 5360 2680 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

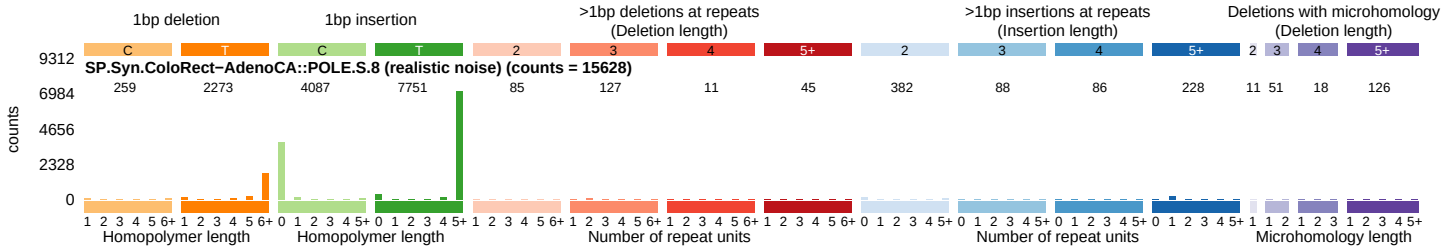

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::POLE.S.3 (realistic noise) (counts = 21517)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
382 12368 407 7158 131 174 42 40 536 78 59 21 20 36 18 47
counts
14692 11019 7346 3673 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

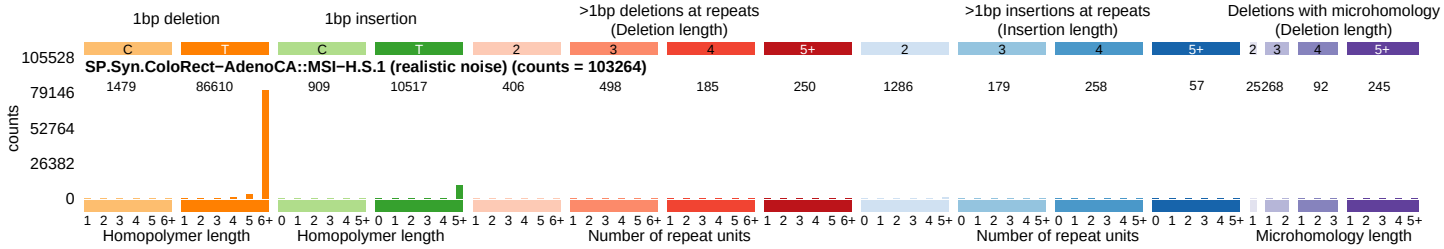

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::POLE.S.4 (realistic noise) (counts = 9193)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
167 3282 219 4990 47 88 17 13 223 39 31 21 6 23 11 16
counts
6264 4698 3132 1566 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

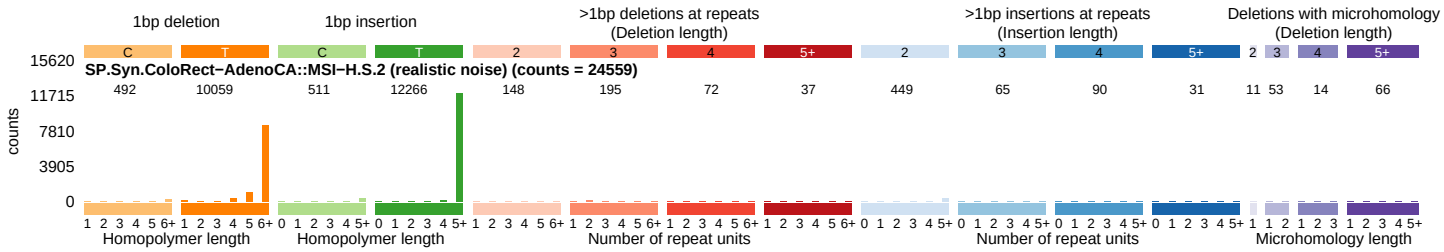

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::POLE.S.5 (realistic noise) (counts = 4547)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
69 1219 217 2530 21 54 14 8 318 12 27 17 6 23 7 5
counts
3076 2307 1538 769 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::POLE.S.6 (realistic noise) (counts = 16258)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
245 9600 316 5117 87 108 34 22 494 54 56 21 17 27 17 43
counts
11256 8442 5628 2814 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::POLE.S.7 (realistic noise) (counts = 13417)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
128 4696 132 7933 59 81 19 8 233 39 23 16 6 19 10 15
counts
10136 7602 5068 2534 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::POLE.S.8 (realistic noise) (counts = 15628)
259 2273 4087 7751 85 127 11 45 382 88 86 228 11 51 18 126
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::MSI−H.S.1 (realistic noise) (counts = 103264)
1479 86610 909 10517 406 498 185 250 1286 179 258 57 25268 92 245
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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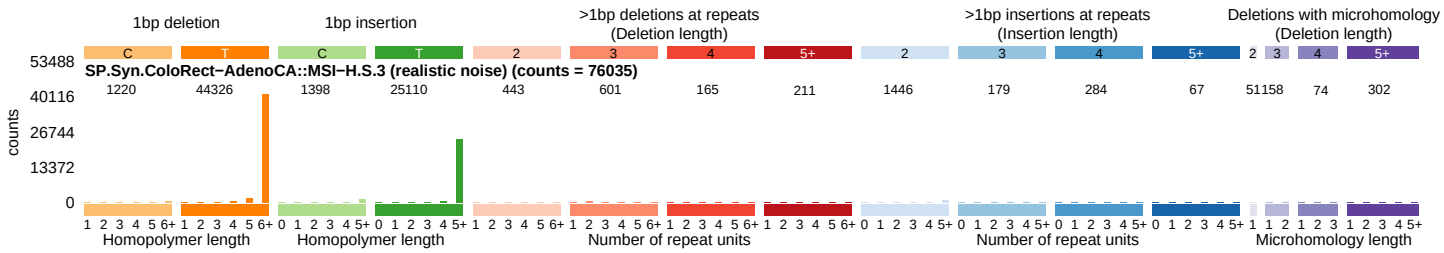
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::MSI−H.S.2 (realistic noise) (counts = 24559)
492 10059 511 12266 148 195 72 37 449 65 90 31 11 53 14 66
counts
Homopolymer length
Number of repeat units
Microhomology length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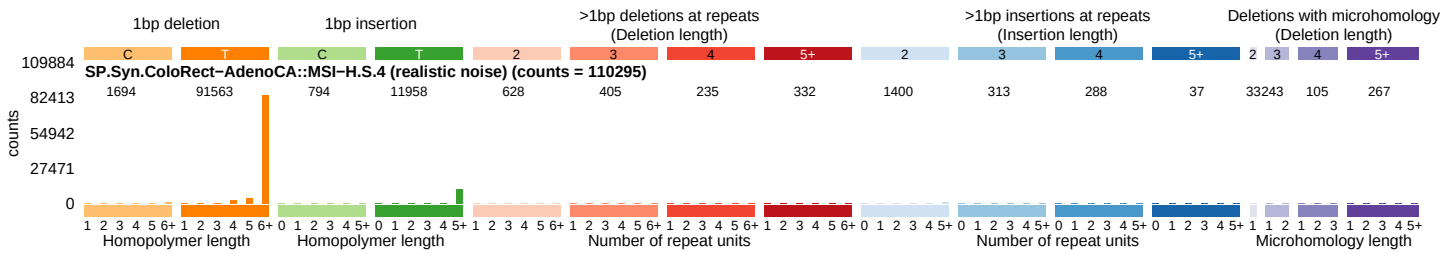
SP.Syn.ColoRect−AdenoCA::MSI−H.S.3 (realistic noise) (counts = 76035)
1220 44326 1398 25110 443 601 165 211 1446 179 284 67 51158 74 302
counts
Homopolymer length
Number of repeat units
Microhomology length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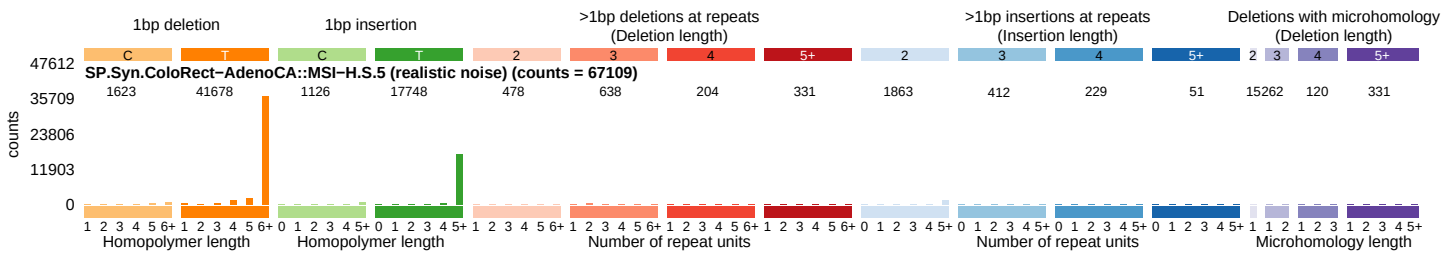
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::MSI−H.S.4 (realistic noise) (counts = 110295)
1694 91563 794 11958 628 405 235 332 1400 313 288 37 33243 105 267
counts
Homopolymer length
Number of repeat units
Microhomology length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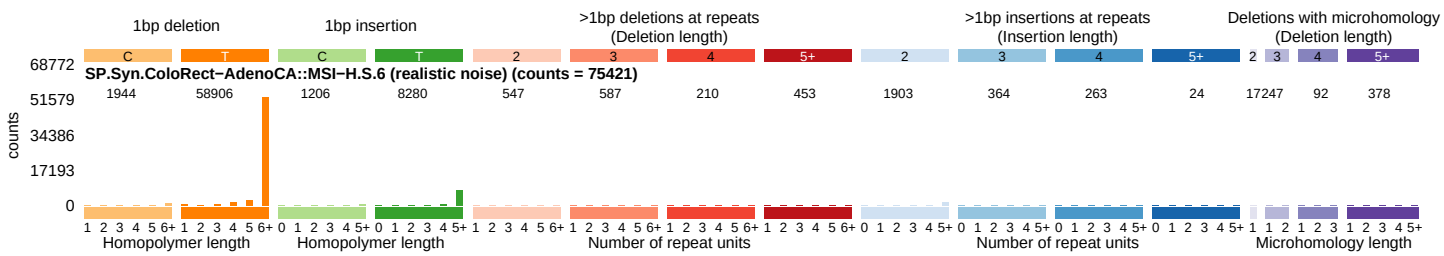
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::MSI−H.S.5 (realistic noise) (counts = 67109)
1623 41678 1126 17748 478 638 204 331 1863 412 229 51 15262 120 331
counts
Homopolymer length
Number of repeat units
Microhomology length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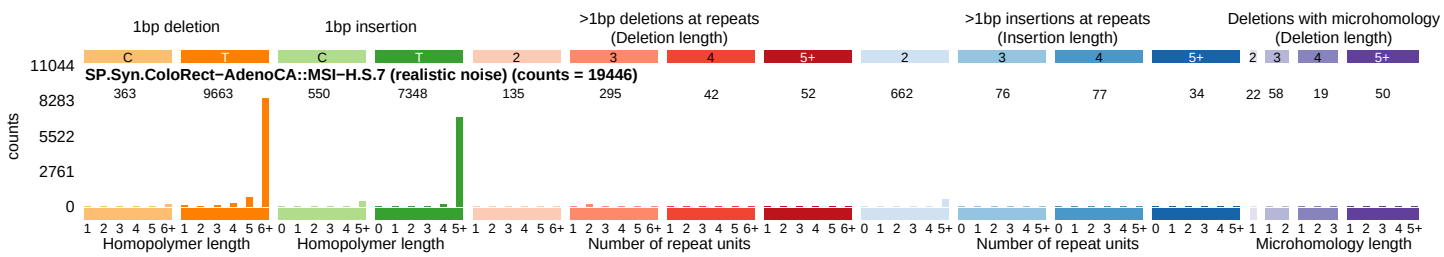
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::MSI−H.S.6 (realistic noise) (counts = 75421)
1944 58906 1206 8280 547 587 210 453 1903 364 263 24 17247 92 378
counts
Homopolymer length
Number of repeat units
Microhomology length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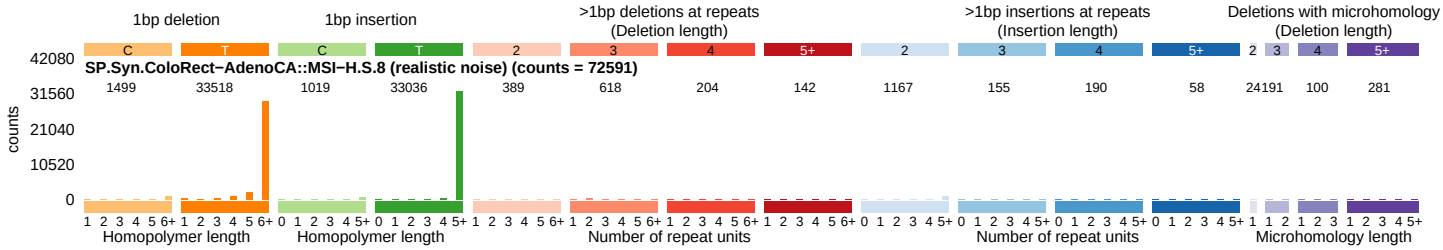
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::MSI−H.S.7 (realistic noise) (counts = 19446)
363 9663 550 7348 135 295 42 52 662 76 77 34 22 58 19 50
counts
Homopolymer length
Number of repeat units
Microhomology length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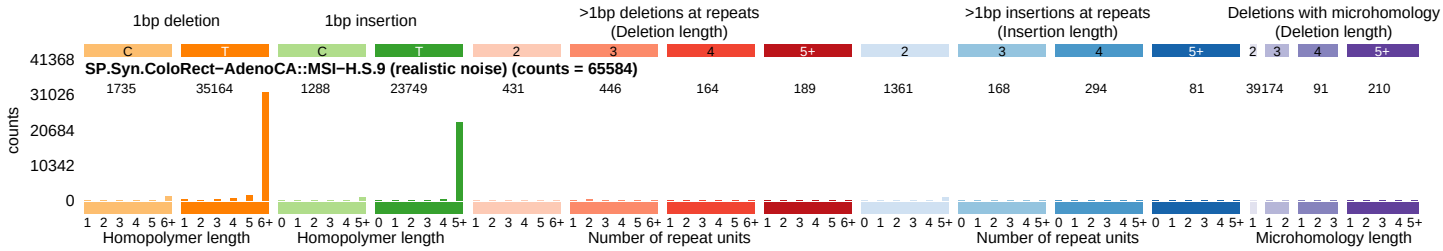
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::MSI−H.S.8 (realistic noise) (counts = 72591)
1499 33518 1019 33036 389 618 204 142 1167 155 190 58 24191 100 281
counts
Homopolymer length
Number of repeat units
Microhomology length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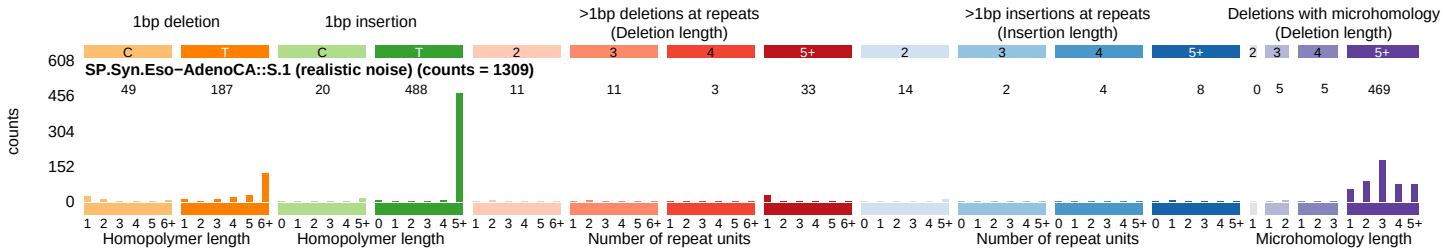
Deletions with microhomology (Deletion length)
SP.Syn.ColoRect−AdenoCA::MSI−H.S.9 (realistic noise) (counts = 65584)
1735 35164 1288 23749 431 446 164 189 1361 168 294 81 39174 91 210
counts
Homopolymer length
Number of repeat units
Microhomology length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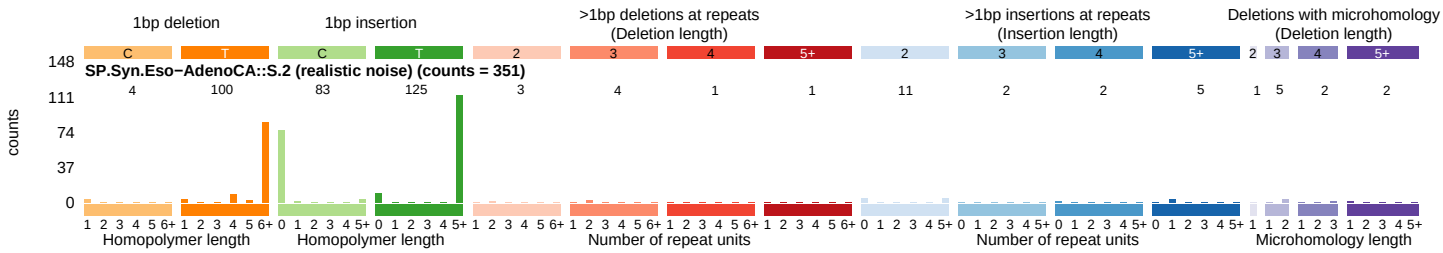
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.1 (realistic noise) (counts = 1309)
49 187 20 488 11 11 3 33 14 2 4 8 0 5 5 469
counts
Homopolymer length
Number of repeat units
Microhomology length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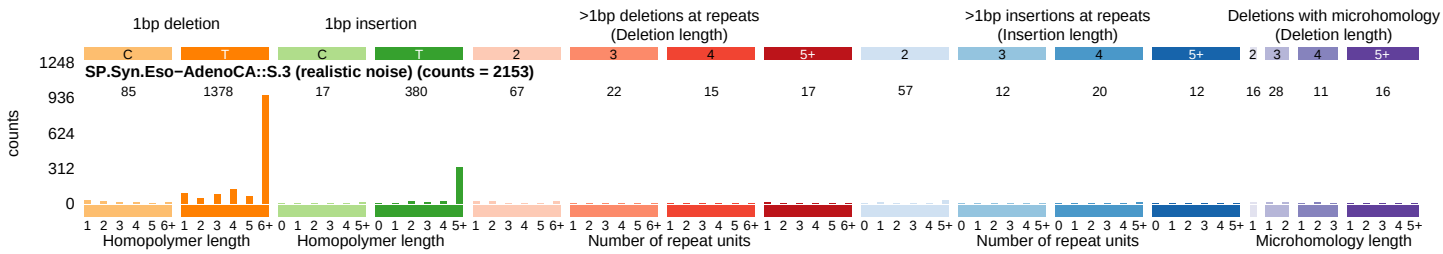
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.2 (realistic noise) (counts = 351)
4 100 83 125 3 4 1 1 11 2 2 5 1 5 2 2
counts
Homopolymer length
Number of repeat units
Microhomology length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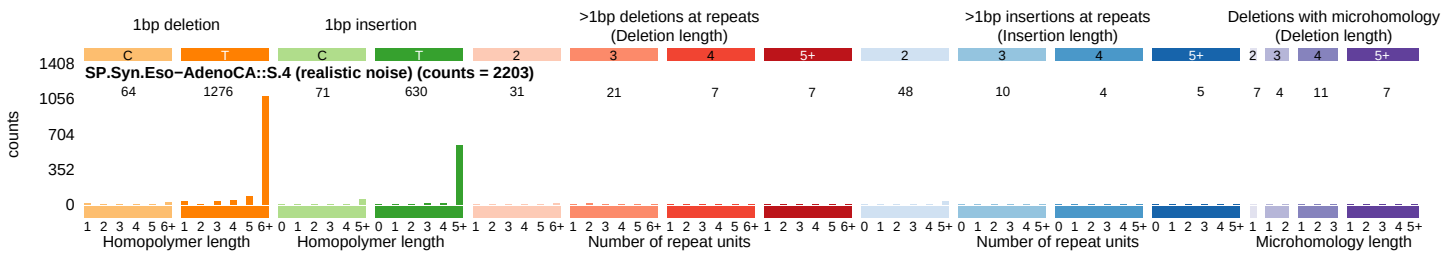
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.3 (realistic noise) (counts = 2153)
85 1378 17 380 67 22 15 17 57 12 20 12 16 28 11 16
counts
Homopolymer length
Number of repeat units
Microhomology length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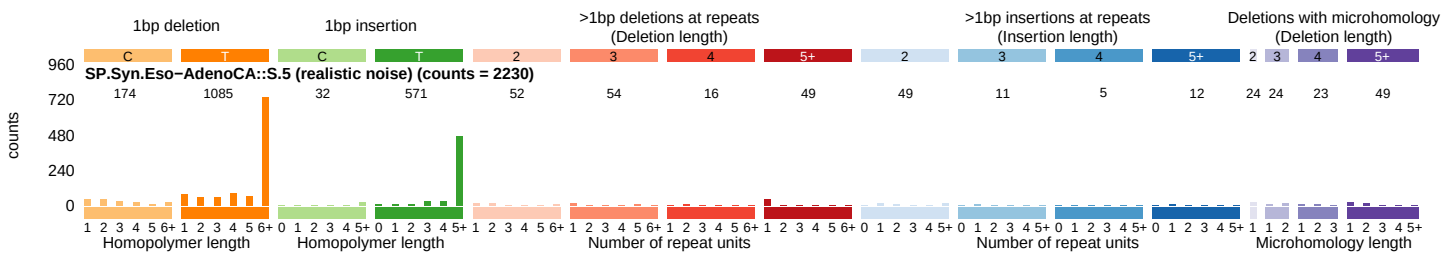
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.4 (realistic noise) (counts = 2203)
64 1276 71 630 31 21 7 7 48 10 4 5 7 4 11 7
counts
Homopolymer length
Number of repeat units
Microhomology length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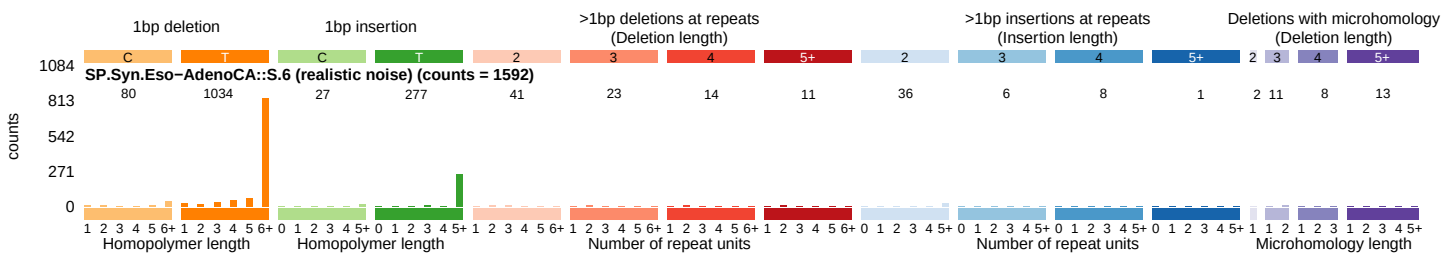
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.5 (realistic noise) (counts = 2230)
174 1085 32 571 52 54 16 49 49 11 5 12 24 24 23 49
counts
Homopolymer length
Number of repeat units
Microhomology length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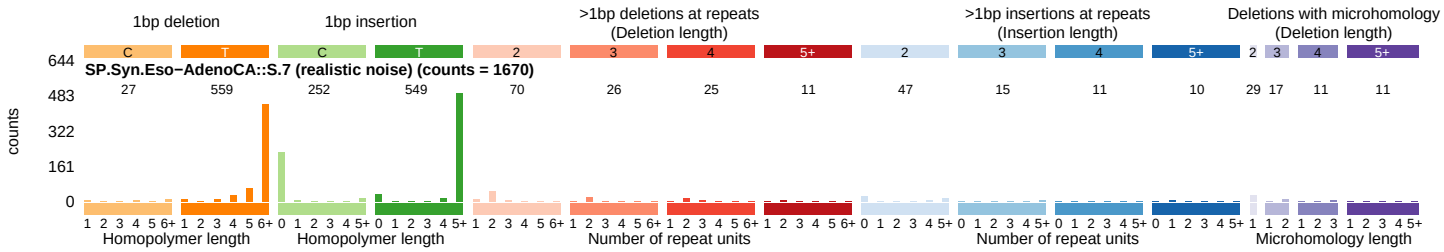
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.6 (realistic noise) (counts = 1592)
80 1034 27 277 41 23 14 11 36 6 8 1 2 11 8 13
counts
Homopolymer length
Number of repeat units
Microhomology length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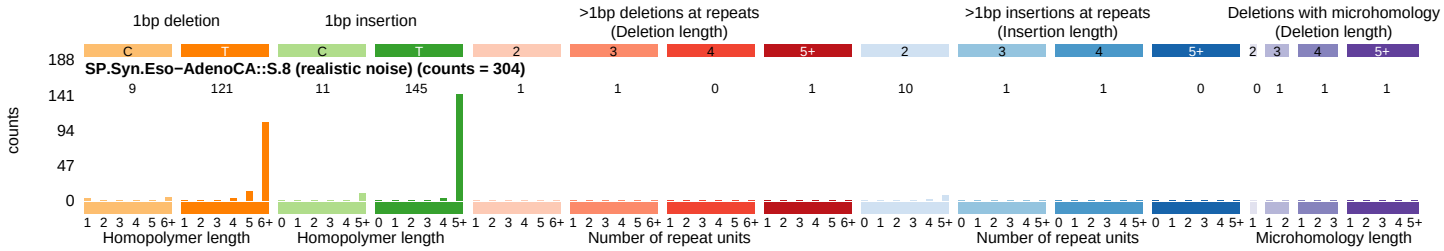
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.7 (realistic noise) (counts = 1670)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
27 559 252 549 70 26 25 11 47 15 11 10 29 17 11 11
counts
644 483 322 161 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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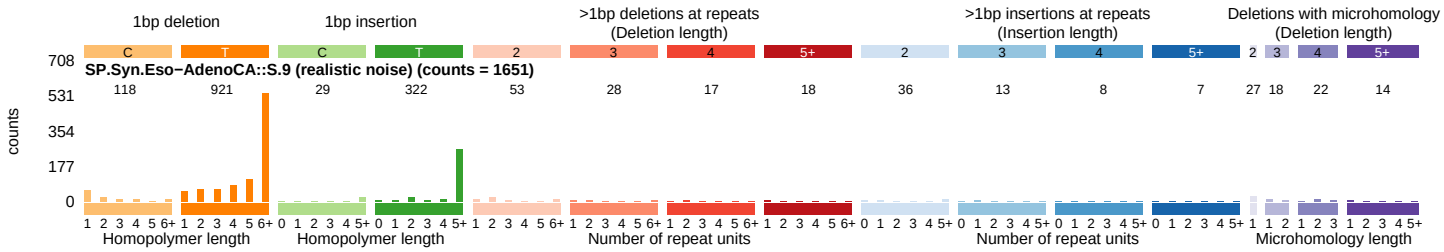
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.8 (realistic noise) (counts = 304)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
9 121 11 145 1 1 0 1 10 1 1 0 0 1 1 1
counts
188 141 94 47 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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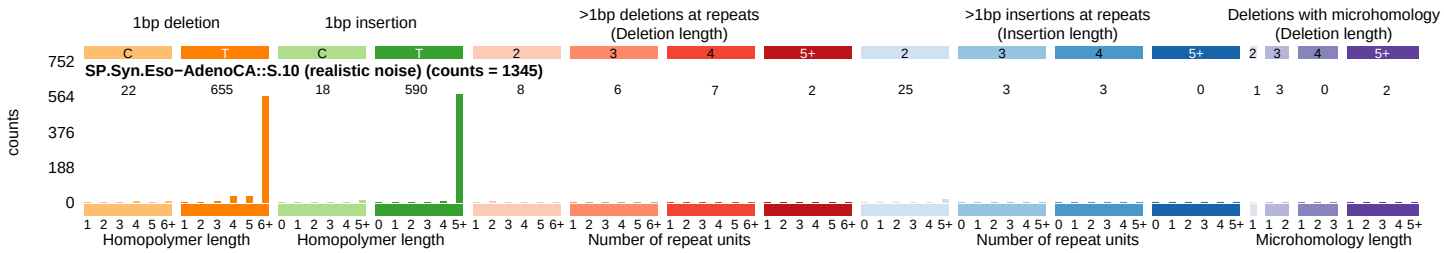
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.9 (realistic noise) (counts = 1651)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
118 921 29 322 53 28 17 18 36 13 8 7 27 18 22 14
counts
708 531 354 177 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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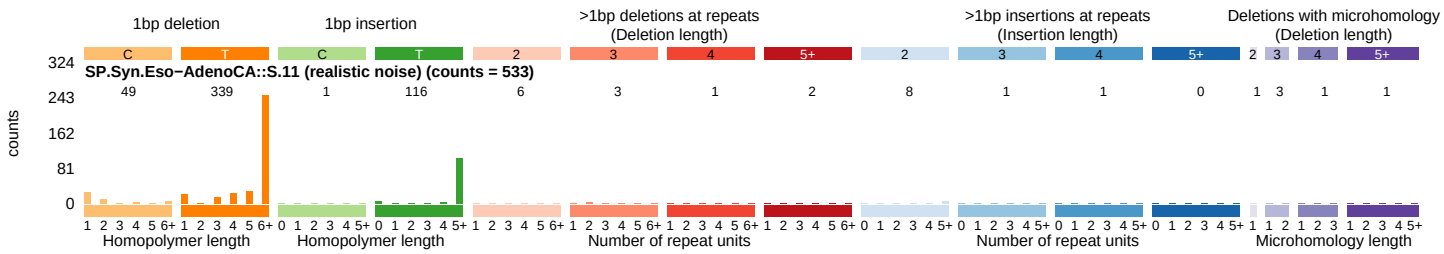
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.10 (realistic noise) (counts = 1345)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
22 655 18 590 8 6 7 2 25 3 3 0 1 3 0 2
counts
752 564 376 188 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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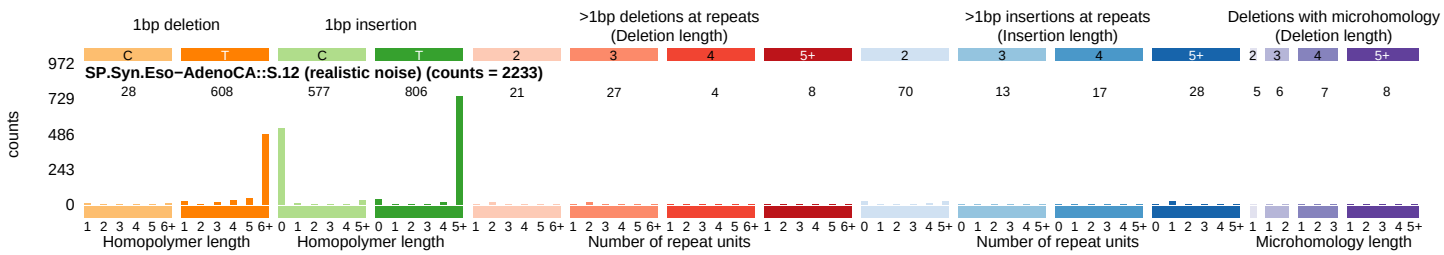
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.11 (realistic noise) (counts = 533)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
49 339 1 116 6 3 1 2 8 1 1 0 1 3 1 1
counts
324 243 162 81 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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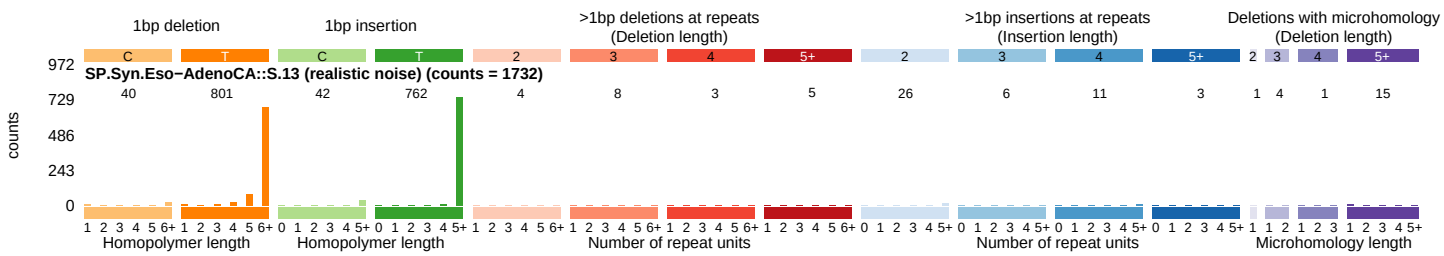
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.12 (realistic noise) (counts = 2233)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
28 608 577 806 21 27 4 8 70 13 17 28 5 6 7 8
counts
972 729 486 243 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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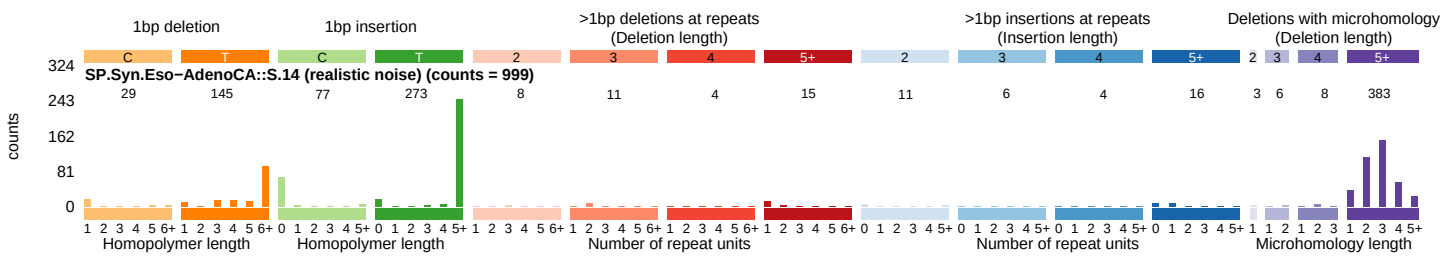
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.13 (realistic noise) (counts = 1732)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
40 801 42 762 4 8 3 5 26 6 11 3 1 4 1 15
counts
972 729 486 243 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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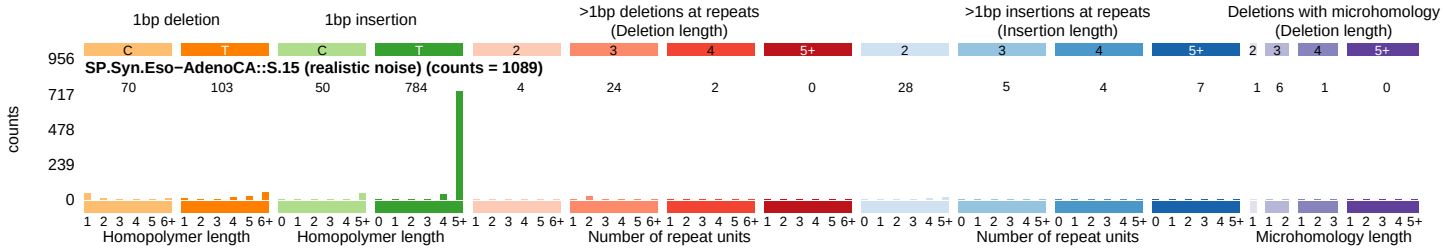
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.14 (realistic noise) (counts = 999)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
29 145 77 273 8 11 4 15 11 6 4 16 3 6 8 383
counts
324 243 162 81 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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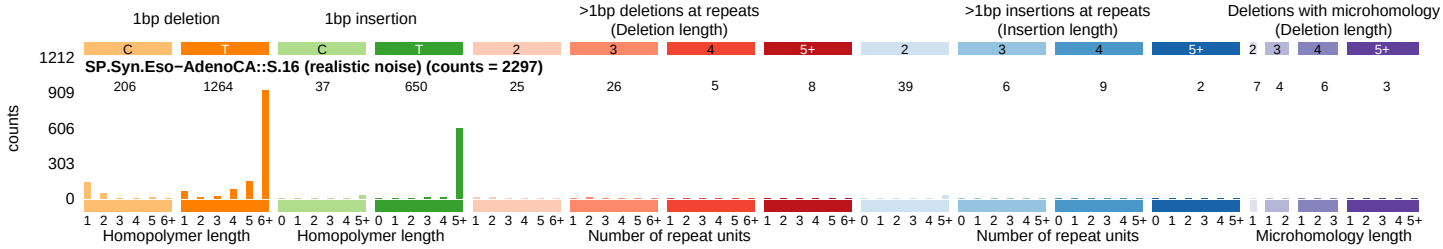
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.15 (realistic noise) (counts = 1089)
70 103 50 784 4 24 2 0 28 5 4 7 1 6 1 0
counts
Homopolymer length
Number of repeat units
Microhomology length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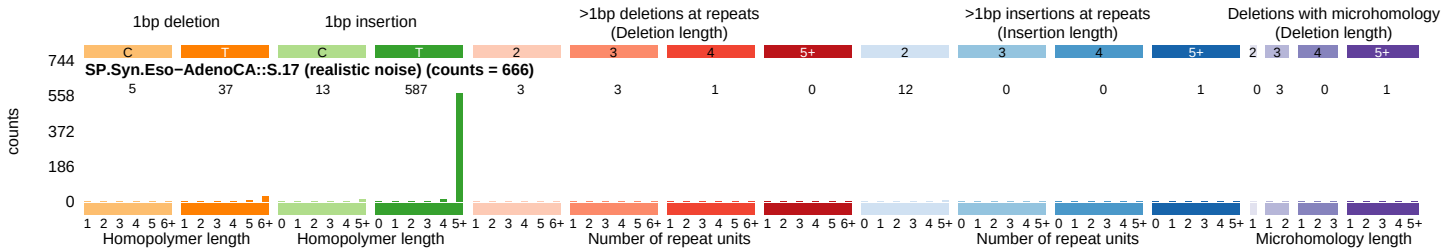
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.16 (realistic noise) (counts = 2297)
206 1264 37 650 25 26 5 8 39 6 9 2 7 4 6 3
counts
Homopolymer length
Number of repeat units
Microhomology length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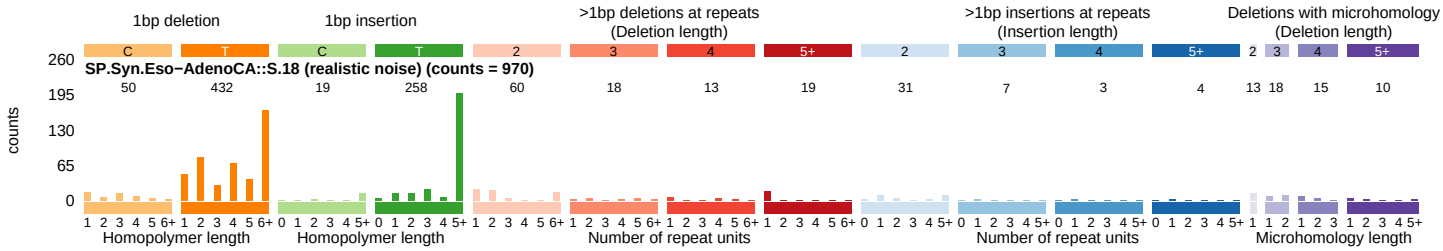
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.17 (realistic noise) (counts = 666)
5 37 13 587 3 3 1 0 12 0 0 1 0 3 0 1
counts
Homopolymer length
Number of repeat units
Microhomology length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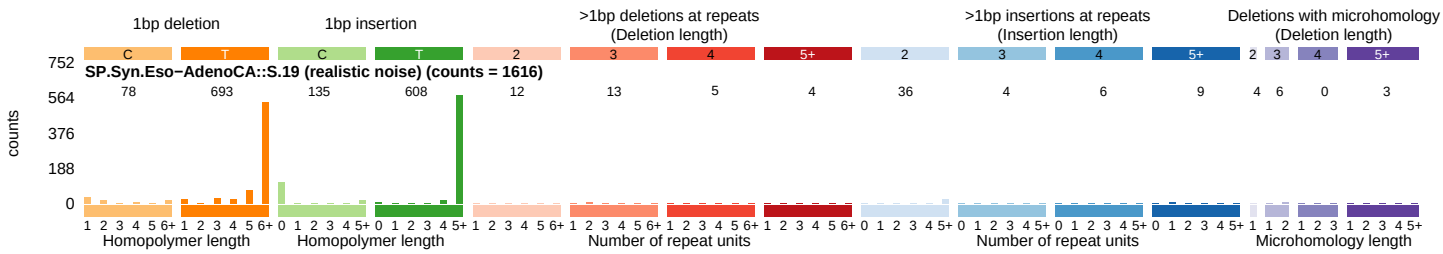
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.18 (realistic noise) (counts = 970)
50 432 19 258 60 18 13 19 31 7 3 4 13 18 15 10
counts
Homopolymer length
Number of repeat units
Microhomology length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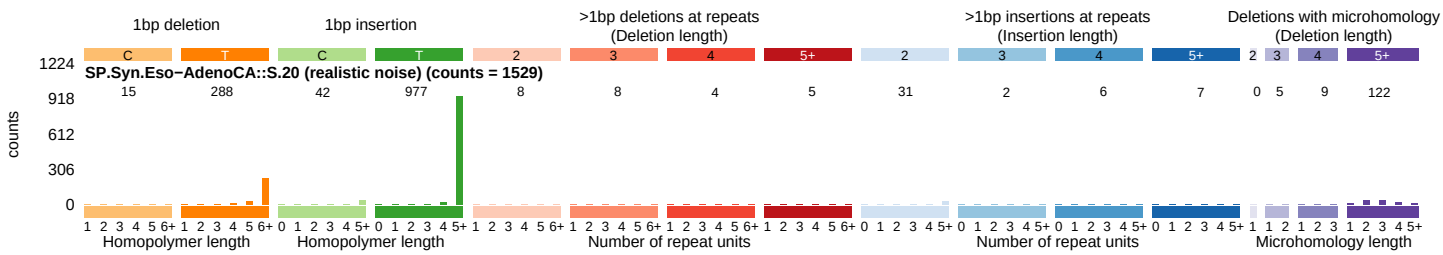
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.19 (realistic noise) (counts = 1616)
78 693 135 608 12 13 5 4 36 4 6 9 4 6 0 3
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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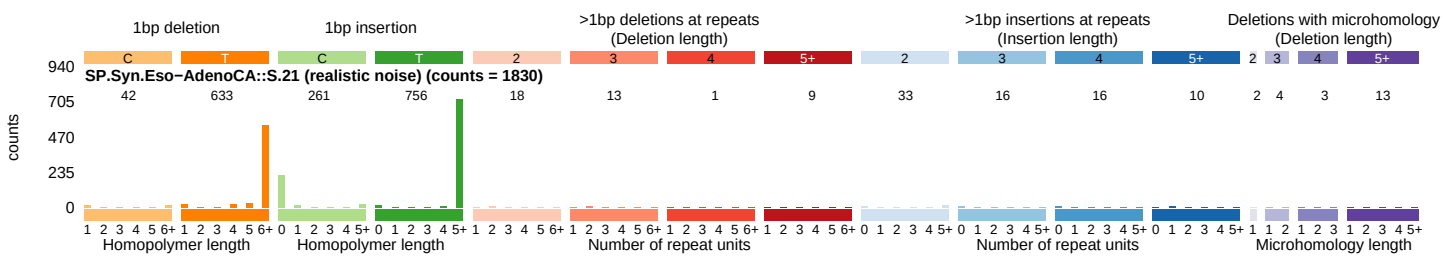
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.20 (realistic noise) (counts = 1529)
15 288 42 977 8 8 4 5 31 2 6 7 0 5 9 122
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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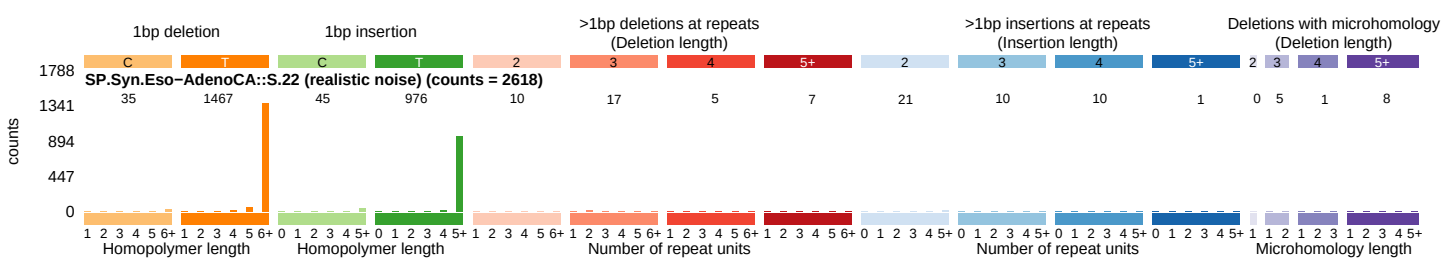
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.21 (realistic noise) (counts = 1830)
42 633 261 756 18 13 1 9 33 16 16 10 2 4 3 13
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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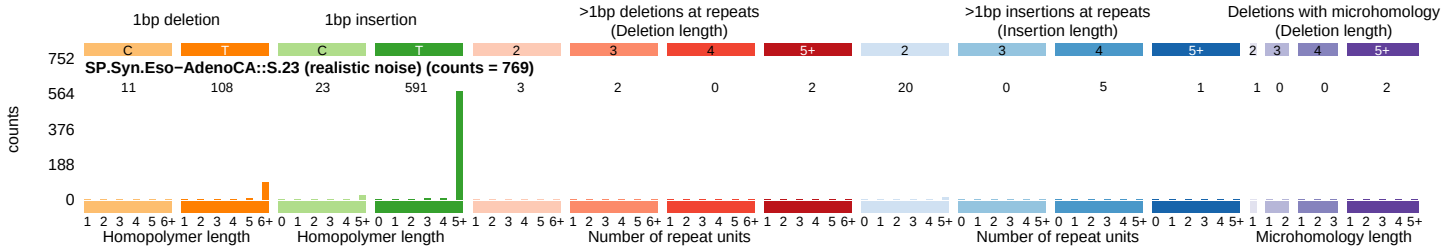
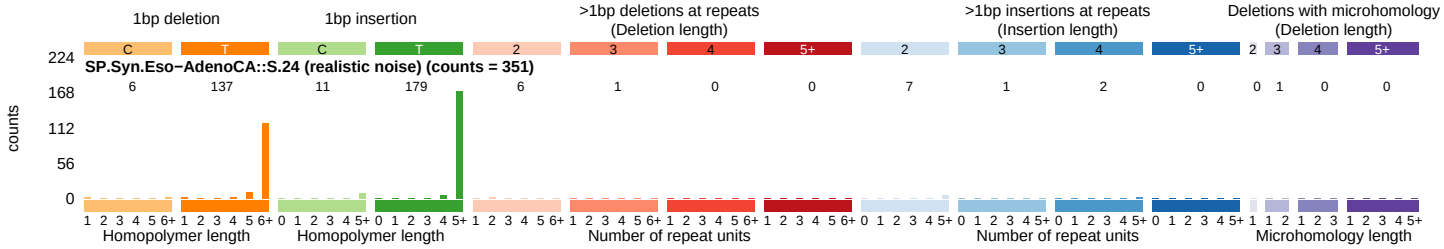
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.22 (realistic noise) (counts = 2618)
35 1467 45 976 10 17 5 7 21 10 10 1 0 5 1 8
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Eso−AdenoCA::S.23 (realistic noise) (counts = 769)
11 108 23 591 3 2 0 2 20 0 5 1 1 0 0 2
counts
752 564 376 188 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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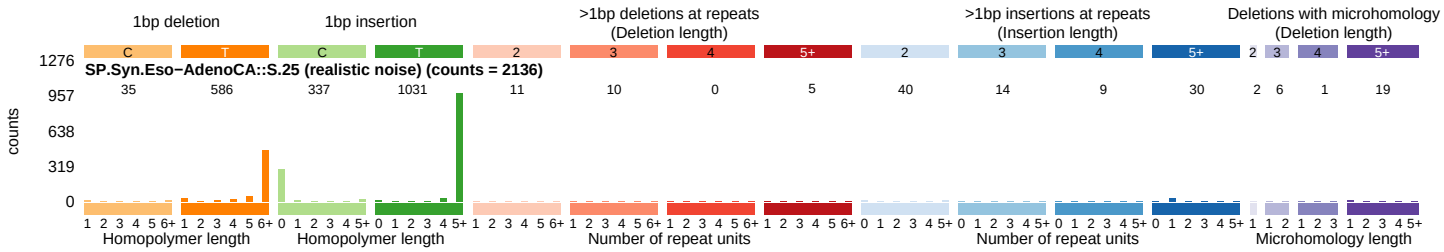
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Eso−AdenoCA::S.24 (realistic noise) (counts = 351)
6 137 11 179 6 1 0 0 7 1 2 0 0 1 0 0
counts
224 168 112 56 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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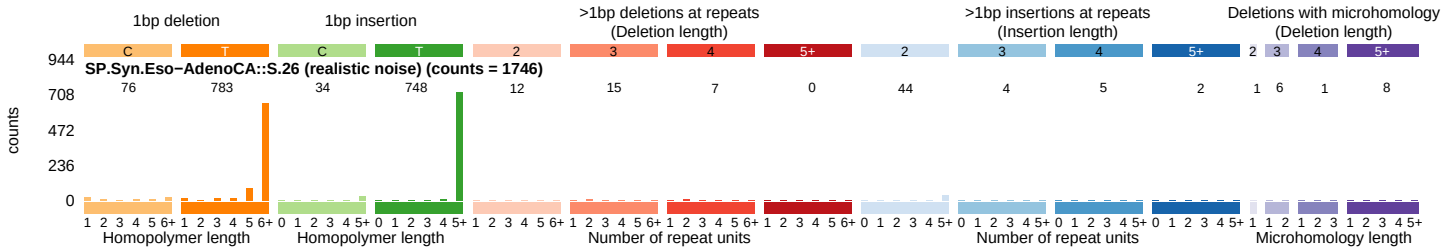
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Eso−AdenoCA::S.25 (realistic noise) (counts = 2136)
35 586 337 1031 11 10 0 5 40 14 9 30 2 6 1 19
counts
1276 957 638 319 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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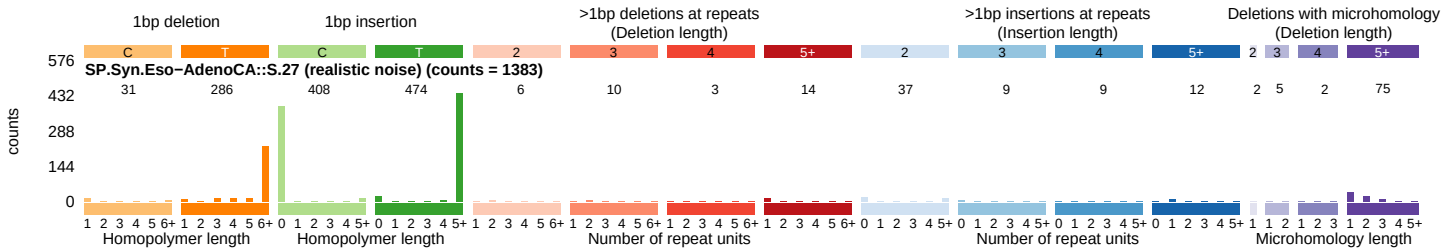
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Eso−AdenoCA::S.26 (realistic noise) (counts = 1746)
76 783 34 748 12 15 7 0 44 4 5 2 1 6 1 8
counts
944 708 472 236 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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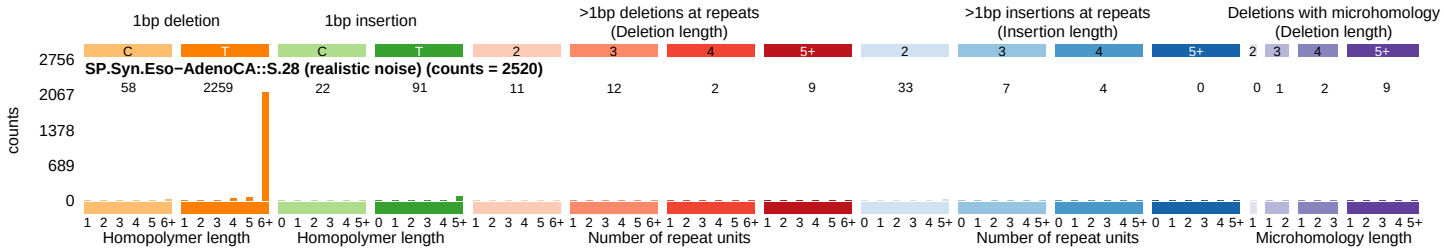
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Eso−AdenoCA::S.27 (realistic noise) (counts = 1383)
31 286 408 474 6 10 3 14 37 9 9 12 2 5 2 75
counts
576 432 288 144 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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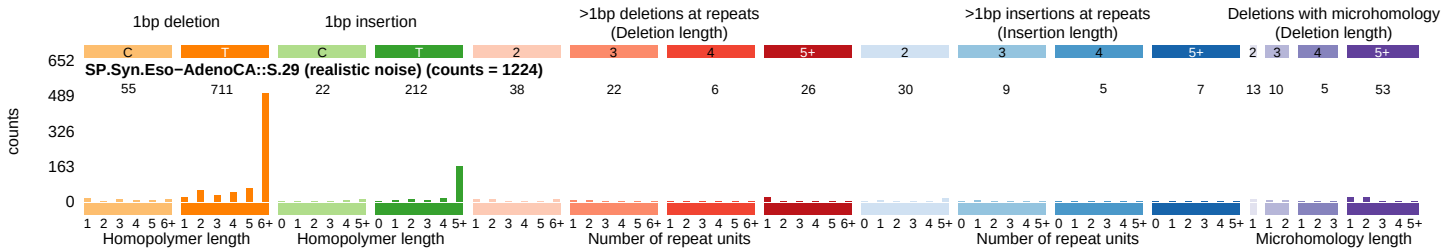
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Eso−AdenoCA::S.28 (realistic noise) (counts = 2520)
58 2259 22 91 11 12 2 9 33 7 4 0 0 1 2 9
counts
2756 2067 1378 689 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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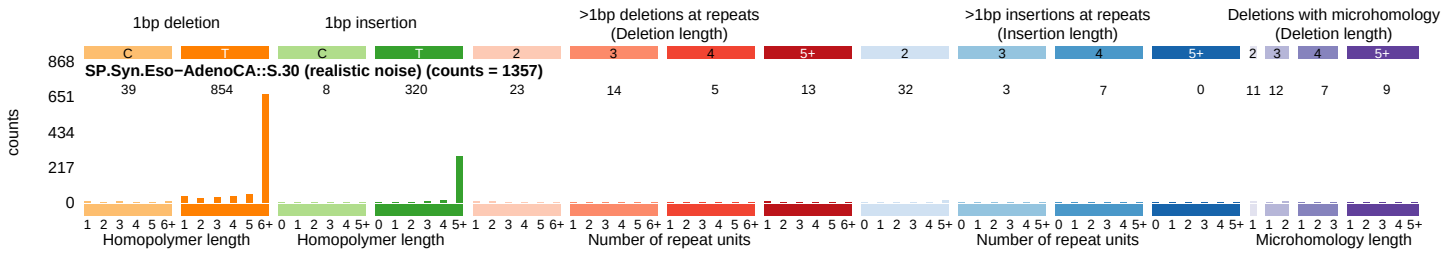
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Eso−AdenoCA::S.29 (realistic noise) (counts = 1224)
55 711 22 212 38 22 6 26 30 9 5 7 13 10 5 53
counts
652 489 326 163 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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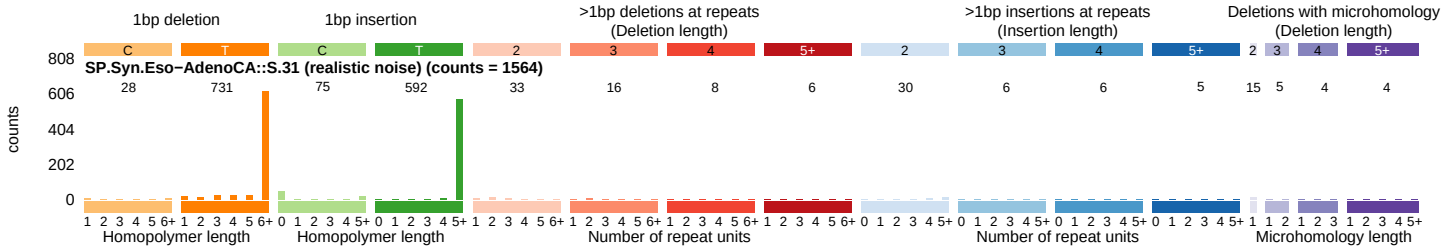
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Eso−AdenoCA::S.30 (realistic noise) (counts = 1357)
39 854 8 320 23 14 5 13 32 3 7 0 11 12 7 9
counts
868 651 434 217 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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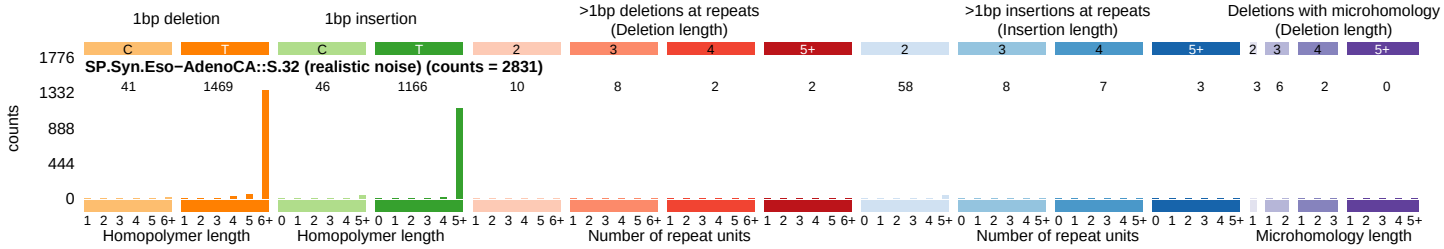
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.31 (realistic noise) (counts = 1564)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
28 731 75 592 33 16 8 6 30 6 6 5 15 5 4 4
counts
808 606 404 202 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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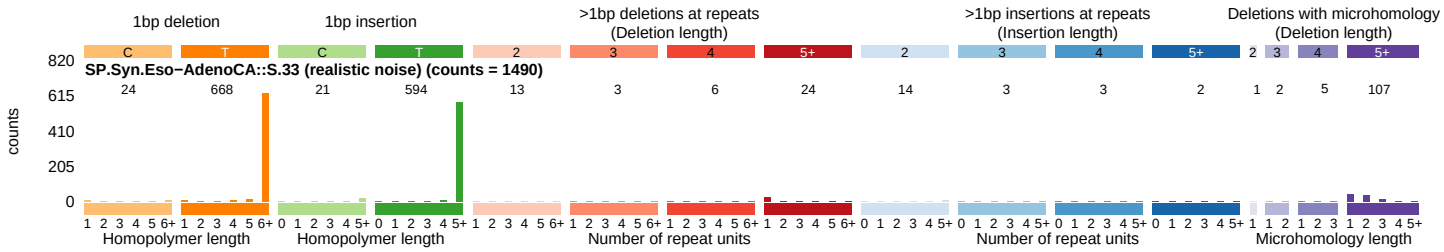
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.32 (realistic noise) (counts = 2831)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
41 1469 46 1166 10 8 2 2 58 8 7 3 3 6 2 0
counts
1776 1332 888 444 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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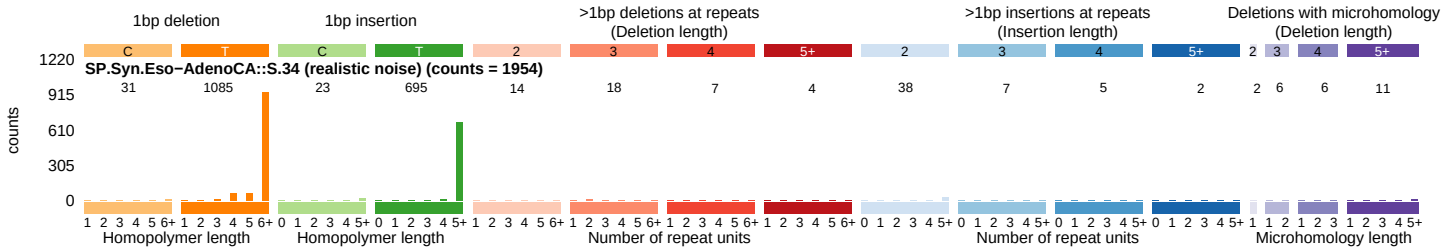
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.33 (realistic noise) (counts = 1490)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
24 668 21 594 13 3 6 24 14 3 3 2 1 2 5 107
counts
820 615 410 205 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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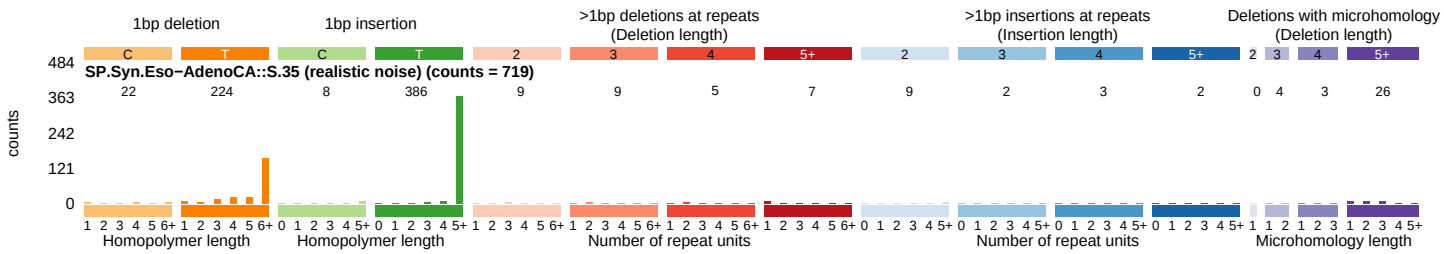
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.34 (realistic noise) (counts = 1954)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
31 1085 23 695 14 18 7 4 38 7 5 2 2 6 6 11
counts
1220 915 610 305 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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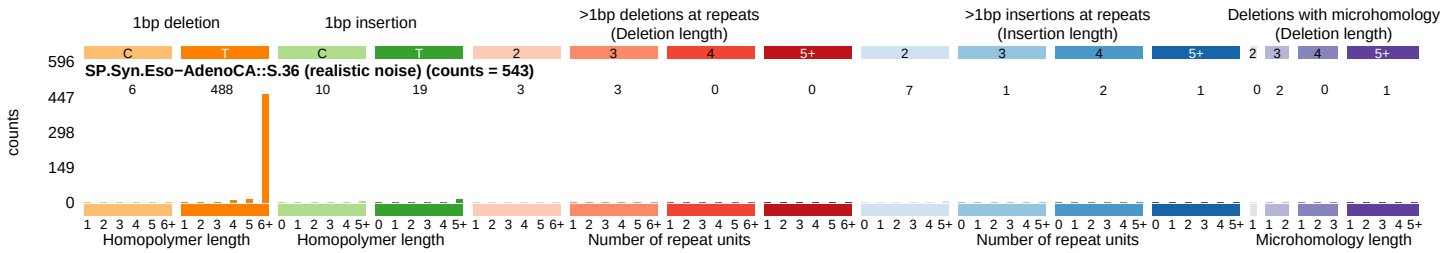
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.35 (realistic noise) (counts = 719)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
22 224 8 386 9 9 5 7 9 2 3 2 0 4 3 26
counts
484 363 242 121 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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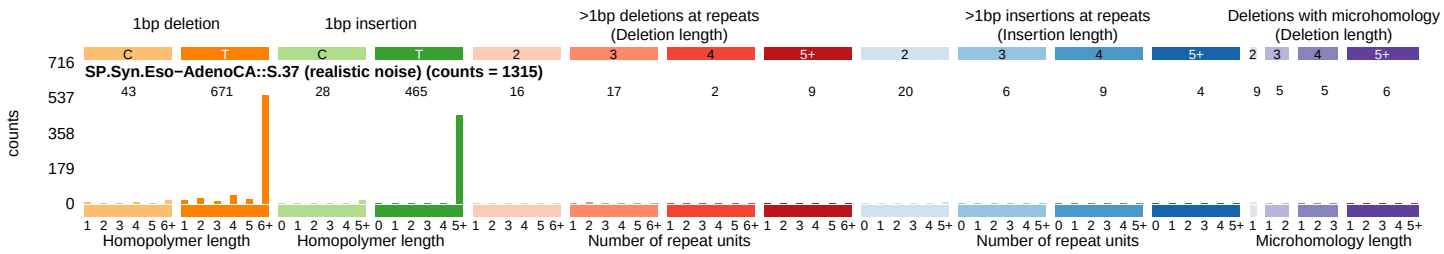
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.36 (realistic noise) (counts = 543)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
6 488 10 19 3 3 0 0 7 1 2 1 0 2 0 1
counts
596 447 298 149 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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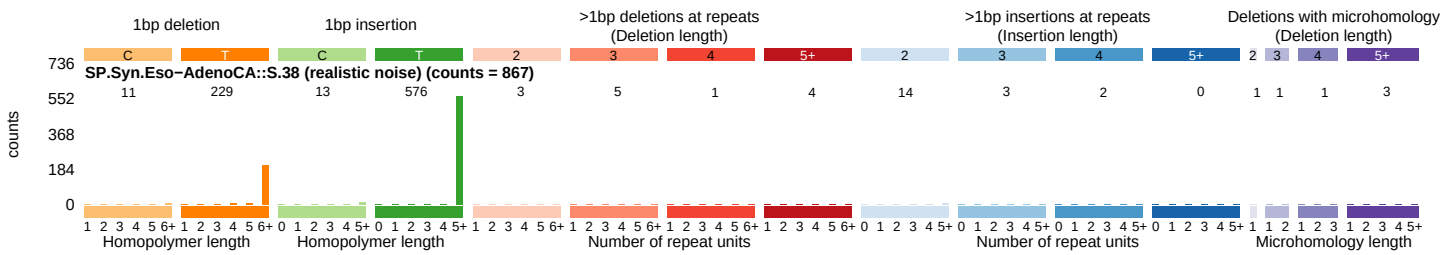
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.37 (realistic noise) (counts = 1315)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
43 671 28 465 16 17 2 9 20 6 9 4 9 5 5 6
counts
716 537 358 179 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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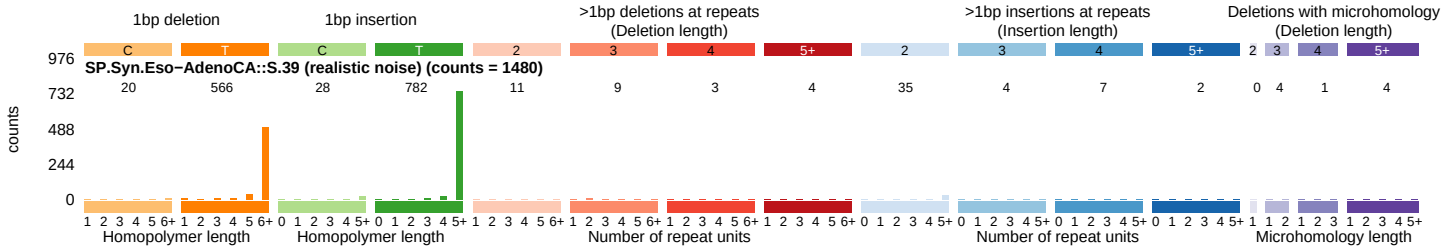
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.38 (realistic noise) (counts = 867)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
11 229 13 576 3 5 1 4 14 3 2 0 1 1 1 3
counts
736 552 368 184 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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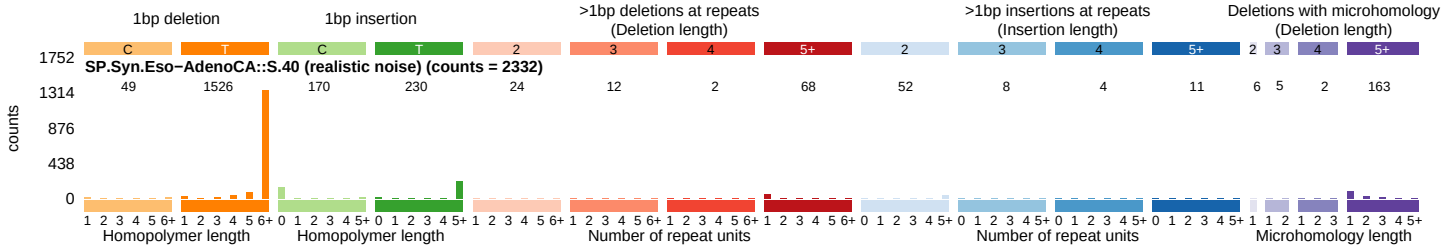
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.39 (realistic noise) (counts = 1480)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
20 566 28 782 11 9 3 4 35 4 7 2 0 4 1 4
counts
976 732 488 244 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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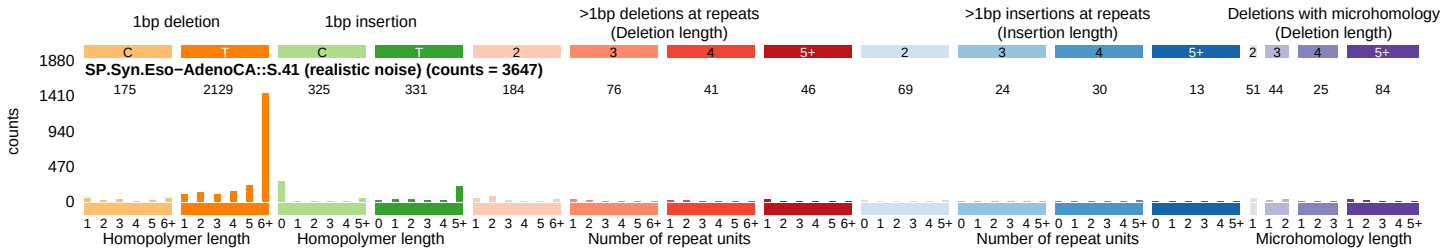
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.40 (realistic noise) (counts = 2332)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
49 1526 170 230 24 12 2 68 52 8 4 11 6 5 2 163
counts
1752 1314 876 438 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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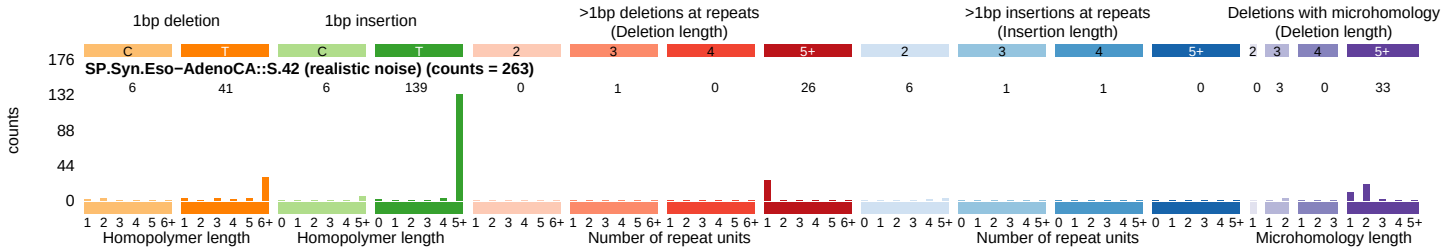
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.41 (realistic noise) (counts = 3647)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
175 2129 325 331 184 76 41 46 69 24 30 13 51 44 25 84
counts
1880 1410 940 470 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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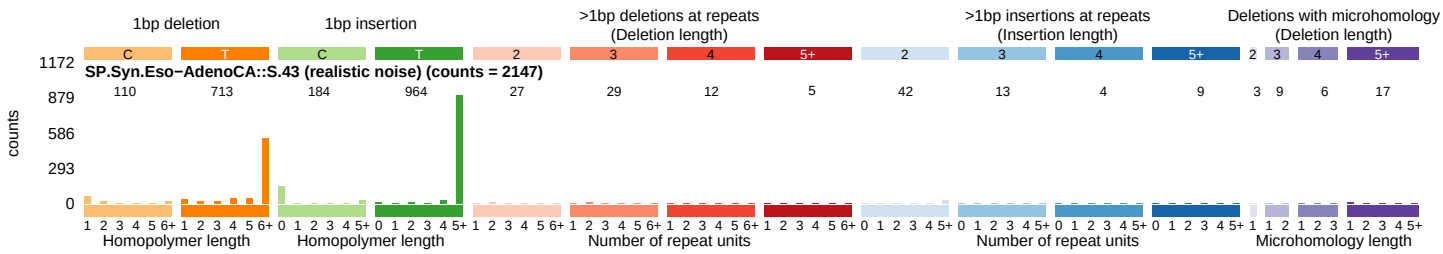
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.42 (realistic noise) (counts = 263)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
6 41 6 139 0 1 0 26 6 1 1 0 0 3 0 33
counts
176 132 88 44 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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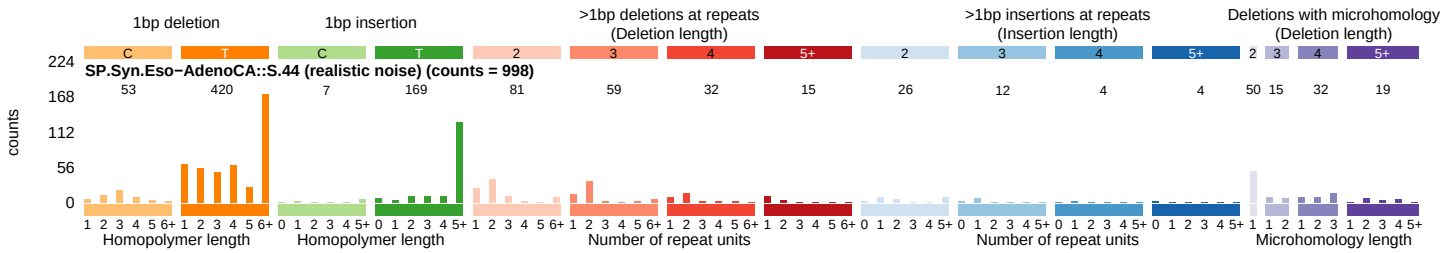
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.43 (realistic noise) (counts = 2147)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
110 713 184 964 27 29 12 5 42 13 4 9 3 9 6 17
counts
1172 879 586 293 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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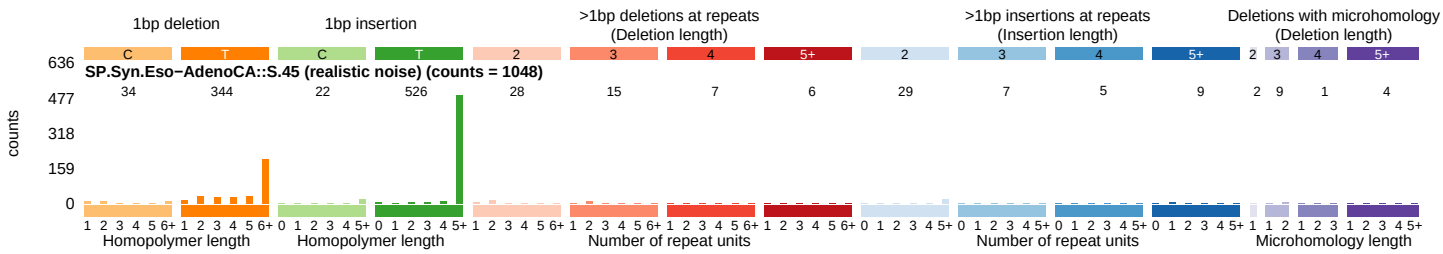
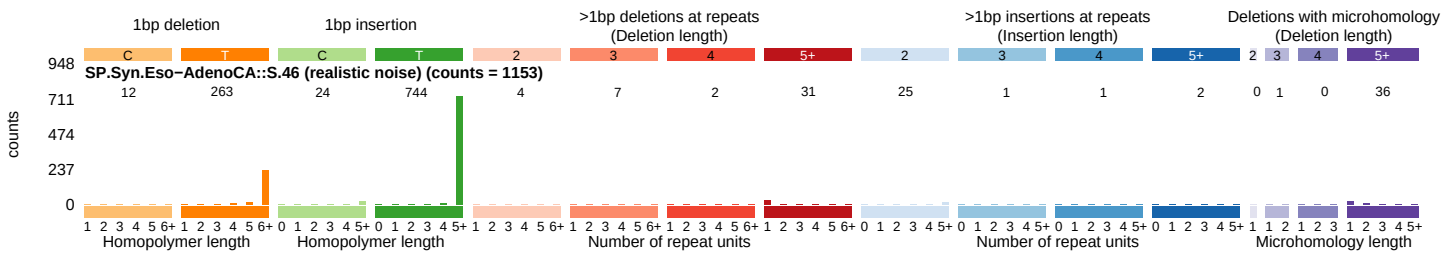
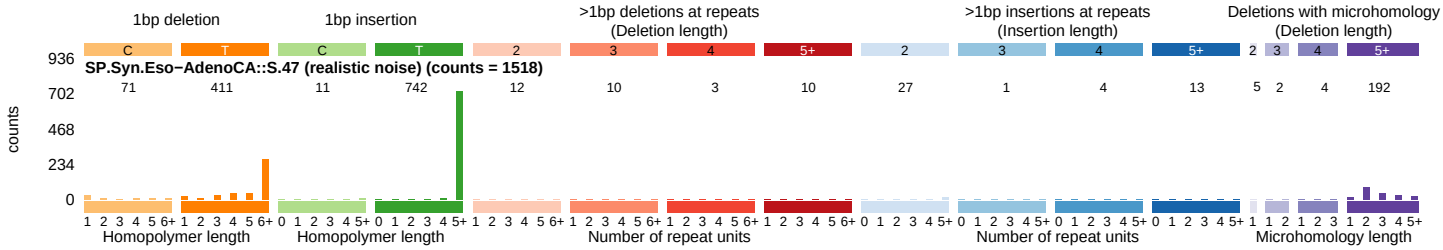
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.44 (realistic noise) (counts = 998)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
53 420 7 169 81 59 32 15 26 12 4 4 50 15 32 19
counts
224 168 112 56 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.45 (realistic noise) (counts = 1048)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
34 344 22 526 28 15 7 6 29 7 5 9 2 9 1 4
counts
636 477 318 159 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.46 (realistic noise) (counts = 1153)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
12 263 24 744 4 7 2 31 25 1 1 2 0 1 0 36
counts
948 711 474 237 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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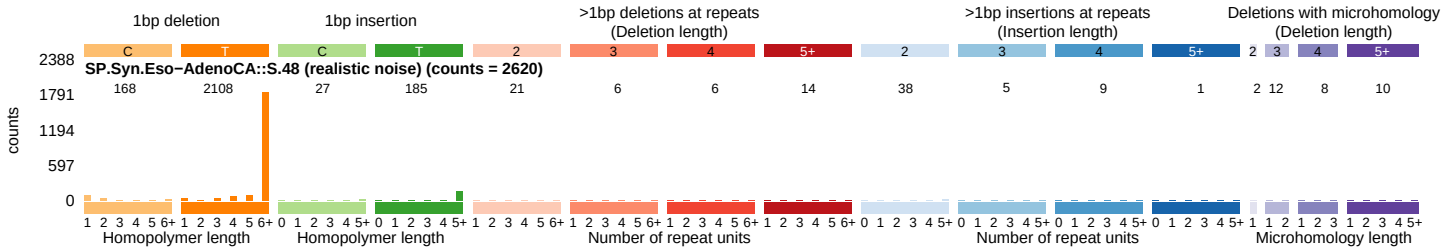
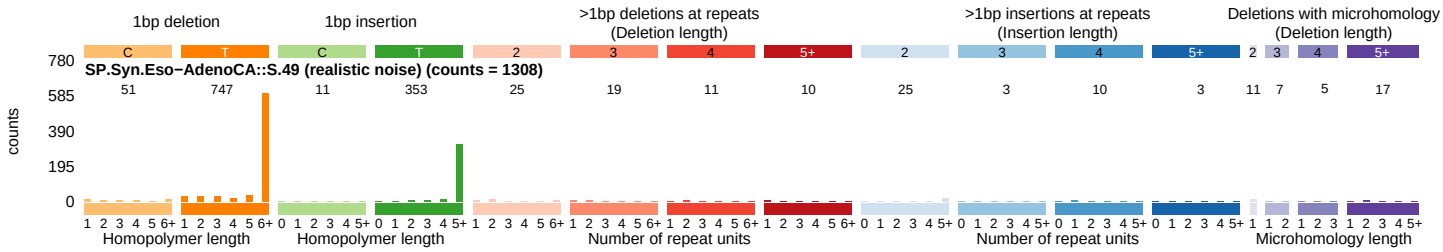
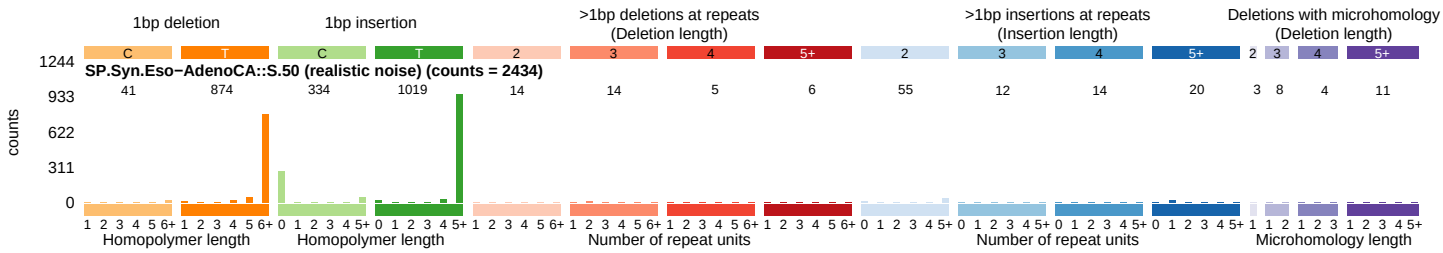
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.47 (realistic noise) (counts = 1518)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
71 411 11 742 12 10 3 10 27 1 4 13 5 2 4 192
counts
936 702 468 234 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.48 (realistic noise) (counts = 2620)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
168 2108 27 185 21 6 6 14 38 5 9 1 2 12 8 10
counts
2388 1791 1194 597 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.49 (realistic noise) (counts = 1308)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
51 747 11 353 25 19 11 10 25 3 10 3 11 7 5 17
counts
780 585 390 195 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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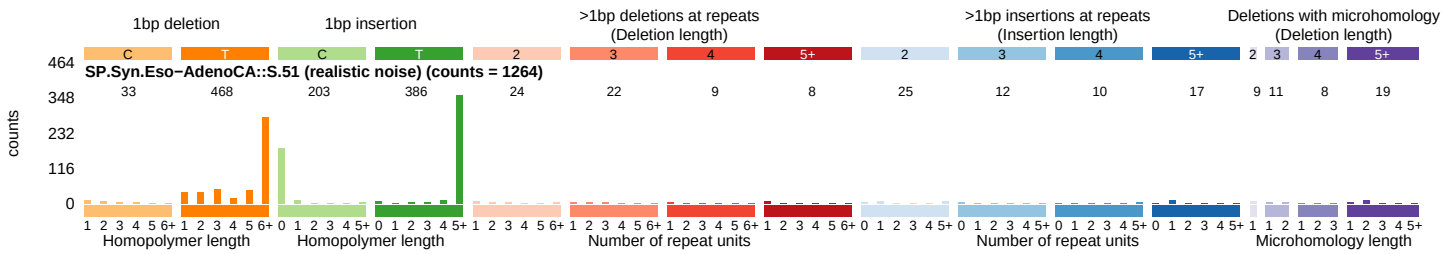
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.50 (realistic noise) (counts = 2434)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
41 874 334 1019 14 14 5 6 55 12 14 20 3 8 4 11
counts
1244 933 622 311 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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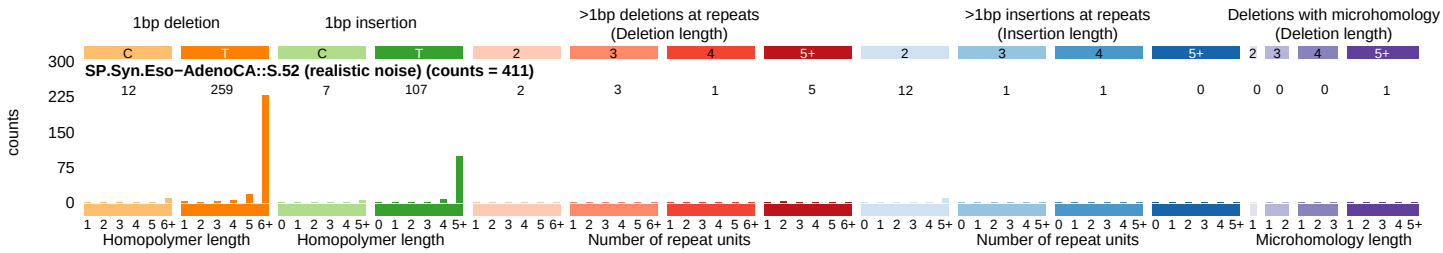
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.51 (realistic noise) (counts = 1264)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
33 468 203 386 24 22 9 8 25 12 10 17 9 11 8 19
counts
464 348 232 116 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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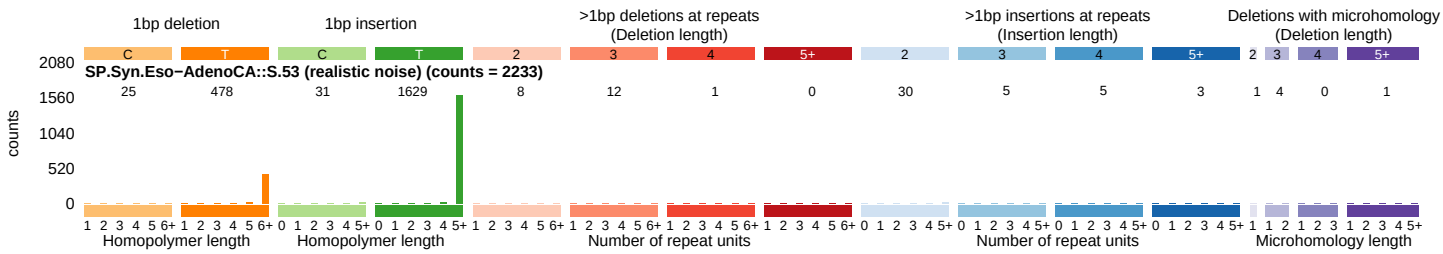
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.52 (realistic noise) (counts = 411)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
12 259 7 107 2 3 1 5 12 1 1 0 0 0 0 1
counts
300 225 150 75 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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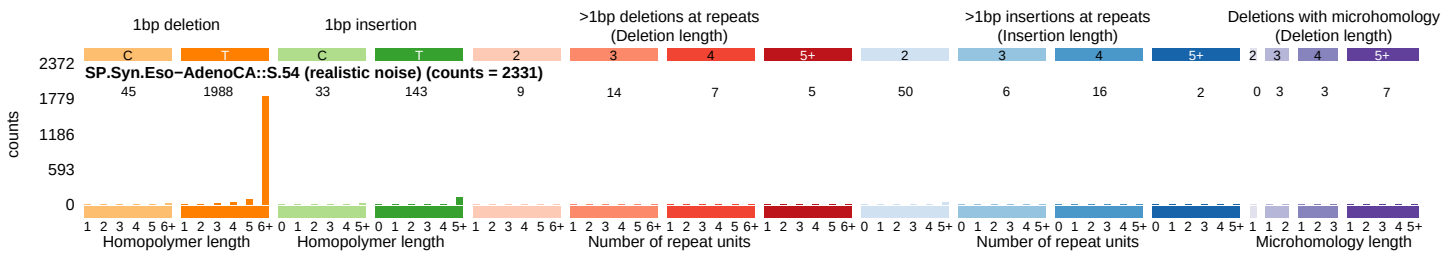
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.53 (realistic noise) (counts = 2233)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
25 478 31 1629 8 12 1 0 30 5 5 3 1 4 0 1
counts
2080 1560 1040 520 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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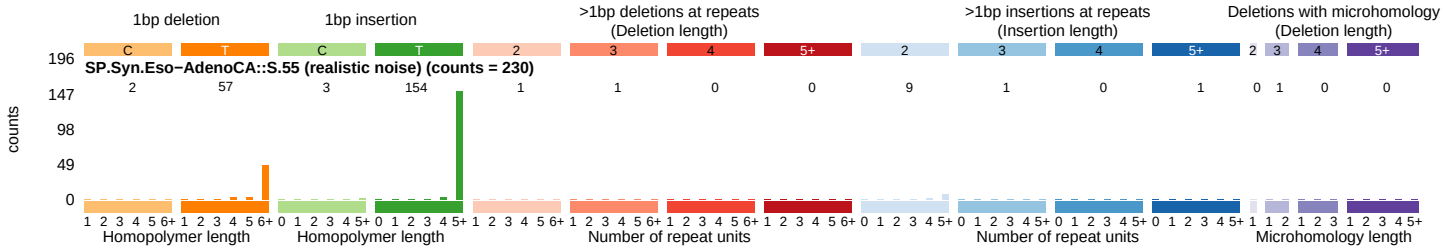
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.54 (realistic noise) (counts = 2331)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
45 1988 33 143 9 14 7 5 50 6 16 2 0 3 3 7
counts
2372 1779 1186 593 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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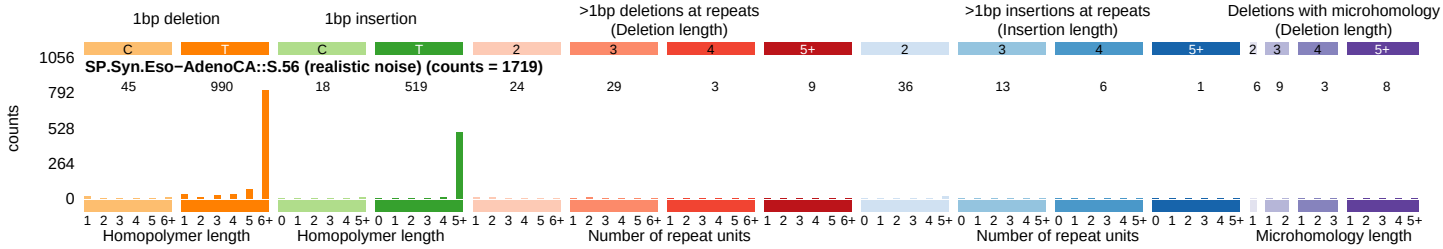
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.55 (realistic noise) (counts = 230)
counts
Homopolymer length
Number of repeat units
Microhomology length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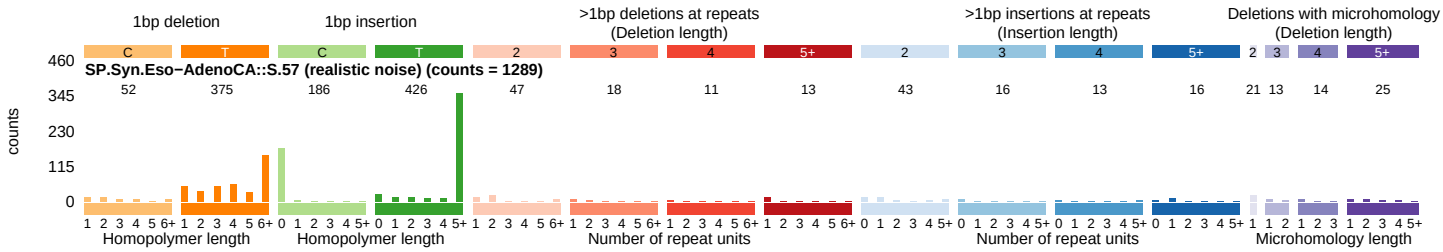
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.56 (realistic noise) (counts = 1719)
counts
Homopolymer length
Number of repeat units
Microhomology length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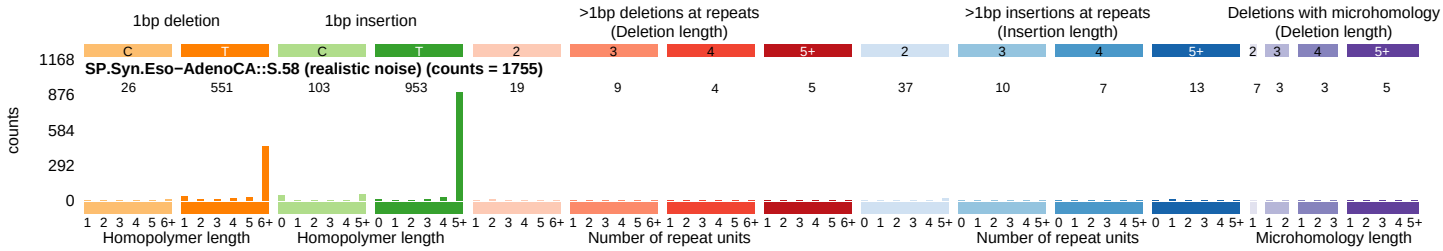
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.57 (realistic noise) (counts = 1289)
counts
Homopolymer length
Number of repeat units
Microhomology length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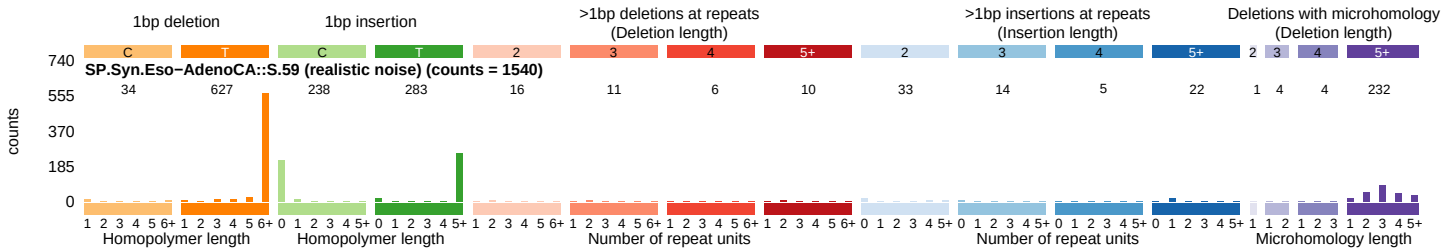
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.58 (realistic noise) (counts = 1755)
counts
Homopolymer length
Number of repeat units
Microhomology length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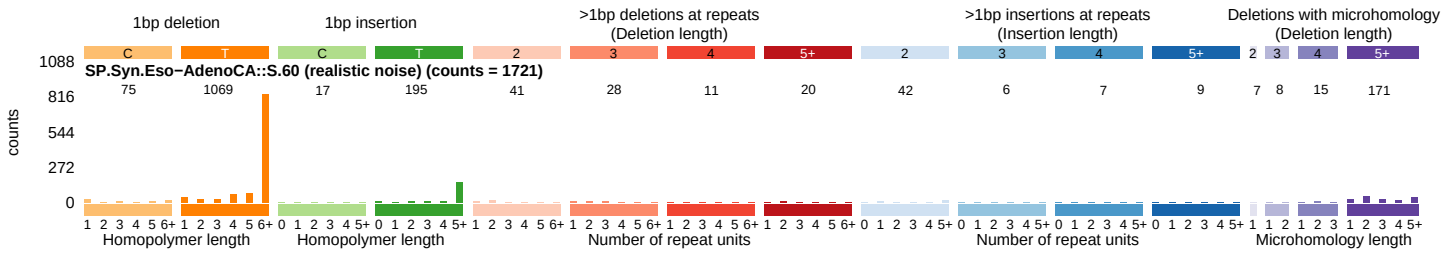
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.59 (realistic noise) (counts = 1540)
counts
Homopolymer length
Number of repeat units
Microhomology length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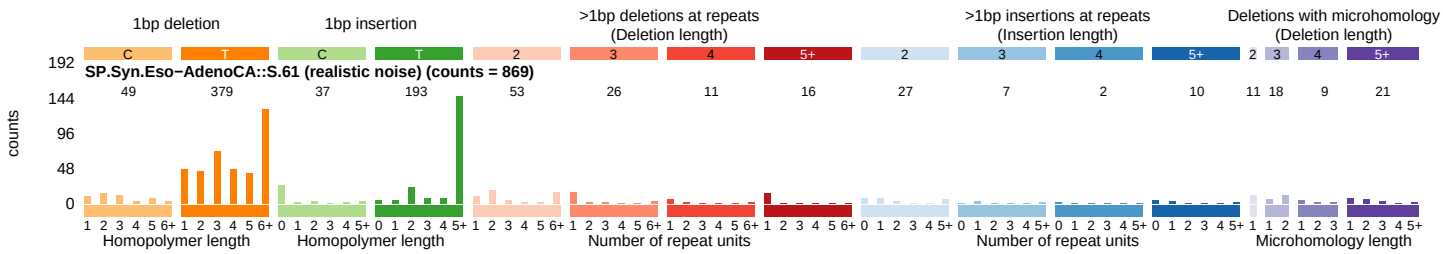
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.60 (realistic noise) (counts = 1721)
counts
Homopolymer length
Number of repeat units
Microhomology length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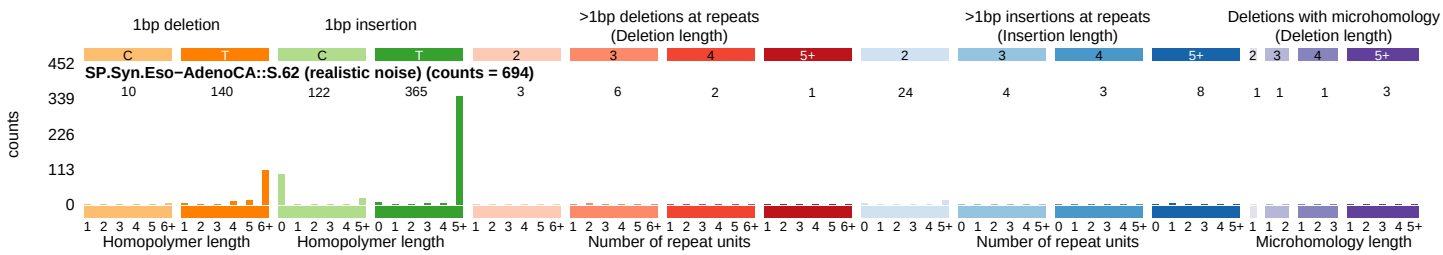
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.61 (realistic noise) (counts = 869)
counts
Homopolymer length
Number of repeat units
Microhomology length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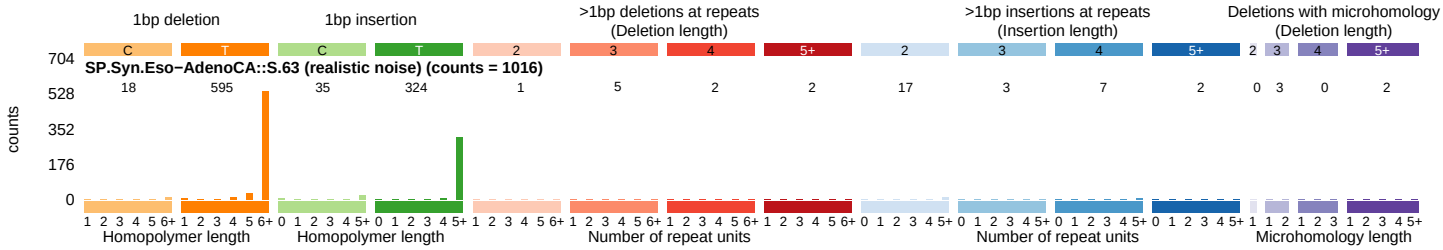
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.62 (realistic noise) (counts = 694)
counts
Homopolymer length
Number of repeat units
Microhomology length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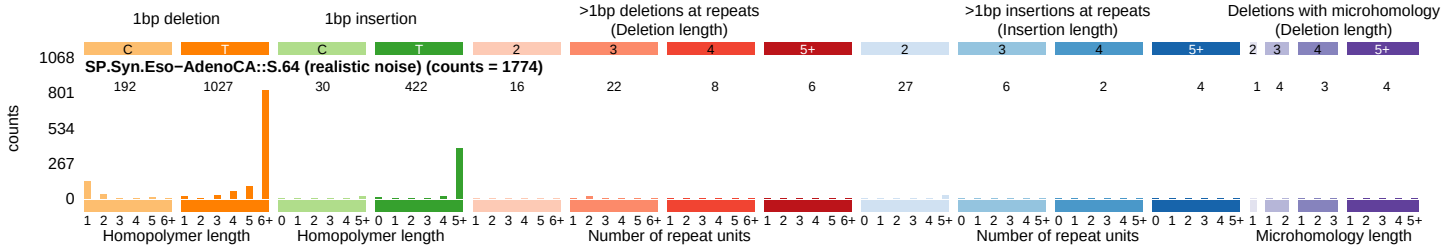
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.63 (realistic noise) (counts = 1016)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
18 595 35 324 1 5 2 2 17 3 7 2 0 3 0 2
counts
704 528 352 176 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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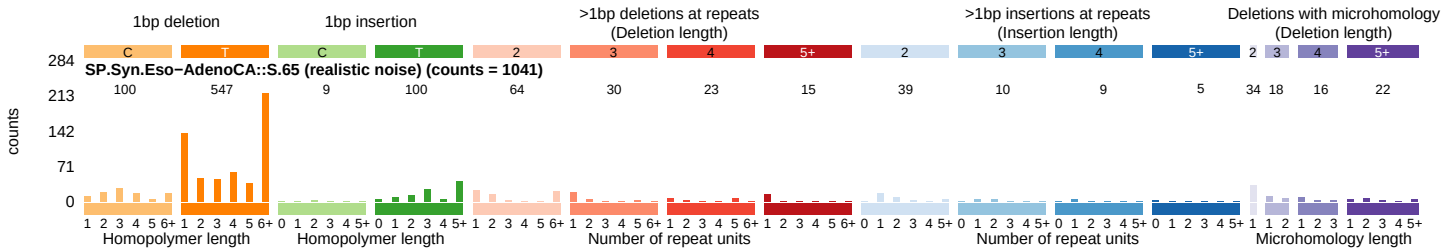
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.64 (realistic noise) (counts = 1774)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
192 1027 30 422 16 22 8 6 27 6 2 4 1 4 3 4
counts
1068 801 534 267 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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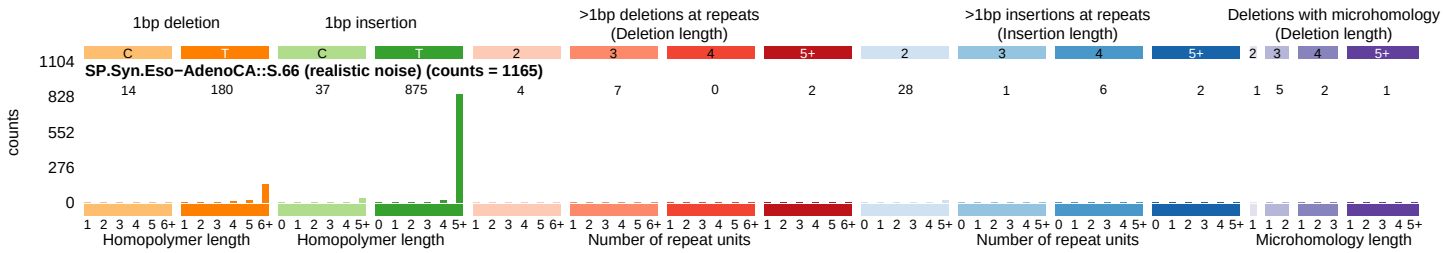
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.65 (realistic noise) (counts = 1041)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
100 547 9 100 64 30 23 15 39 10 9 5 34 18 16 22
counts
284 213 142 71 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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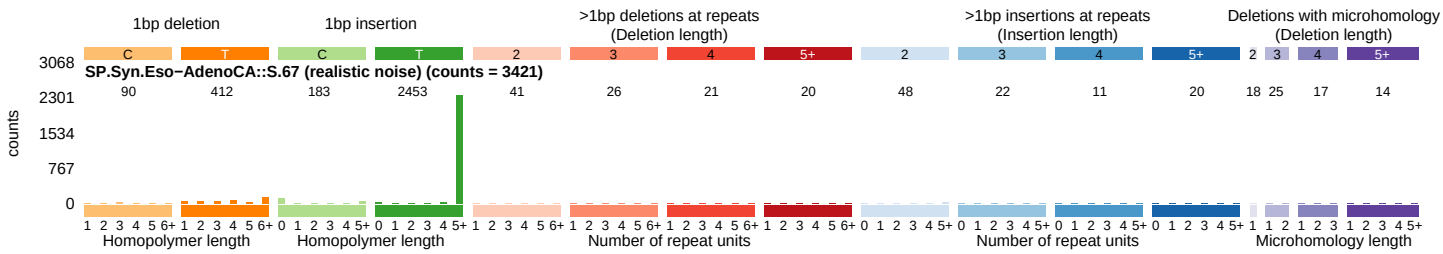
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.66 (realistic noise) (counts = 1165)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
14 180 37 875 4 7 0 2 28 1 6 2 1 5 2 1
counts
1104 828 552 276 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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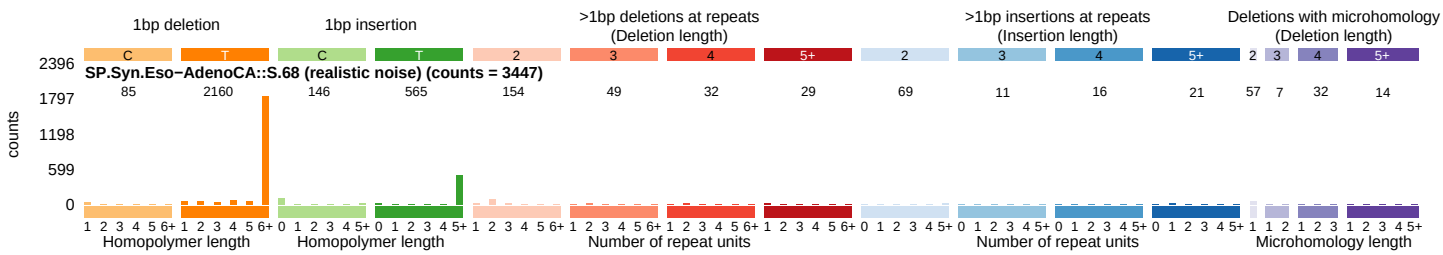
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.67 (realistic noise) (counts = 3421)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
90 412 183 2453 41 26 21 20 48 22 11 20 18 25 17 14
counts
3068 2301 1534 767 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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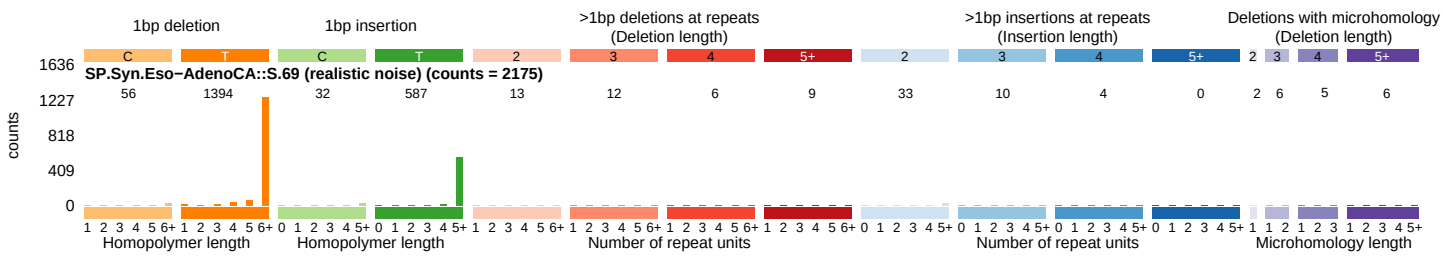
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.68 (realistic noise) (counts = 3447)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
85 2160 146 565 154 49 32 29 69 11 16 21 57 7 32 14
counts
2396 1797 1198 599 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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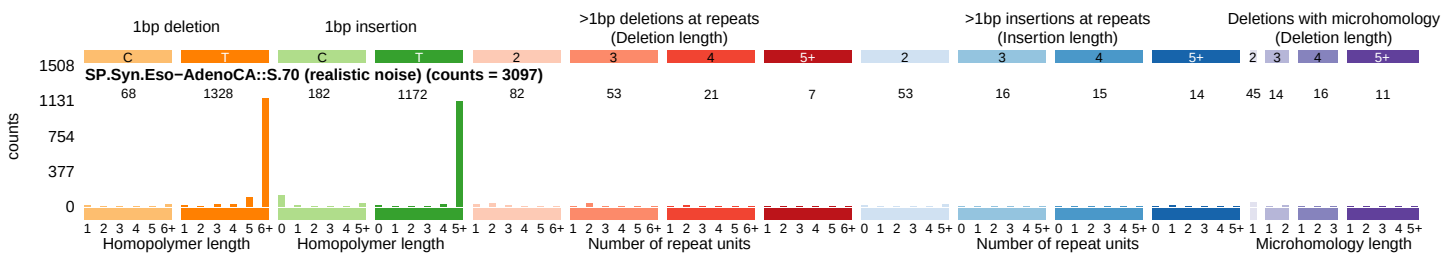
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.69 (realistic noise) (counts = 2175)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
56 1394 32 587 13 12 6 9 33 10 4 0 2 6 5 6
counts
1636 1227 818 409 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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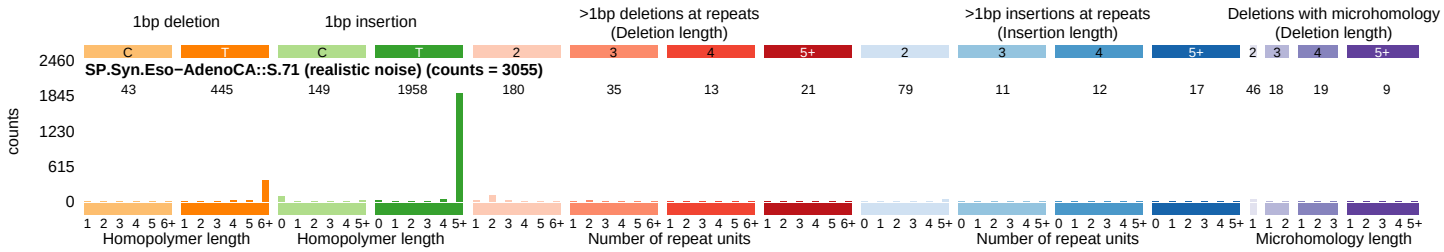
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.70 (realistic noise) (counts = 3097)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
68 1328 182 1172 82 53 21 7 53 16 15 14 45 14 16 11
counts
1508 1131 754 377 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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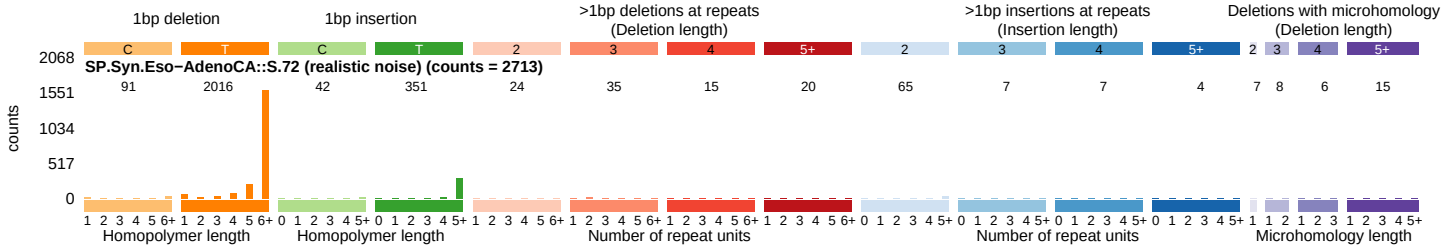
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.71 (realistic noise) (counts = 3055)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
43 445 149 1958 180 35 13 21 79 11 12 17 46 18 19 9
counts
2460 1845 1230 615 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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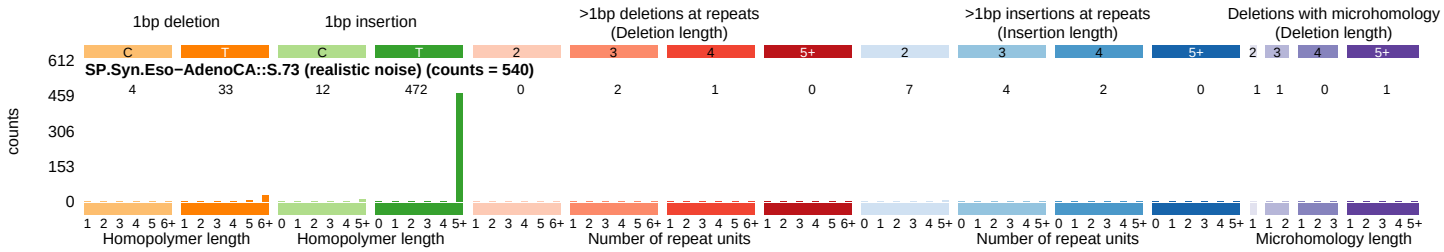
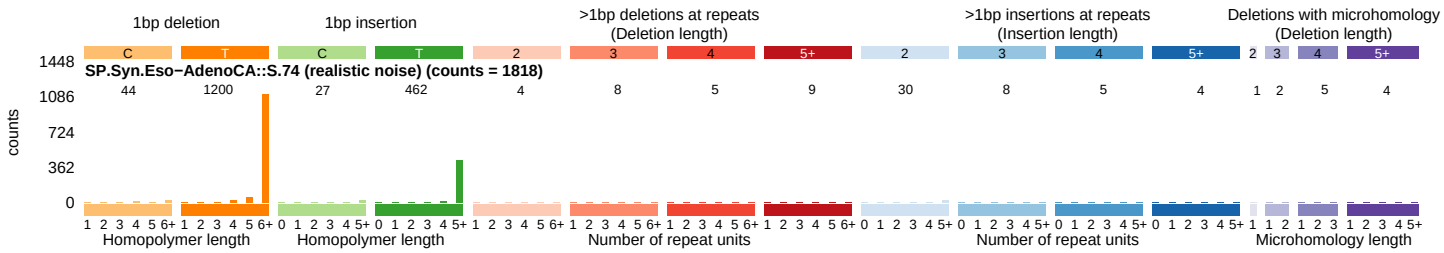
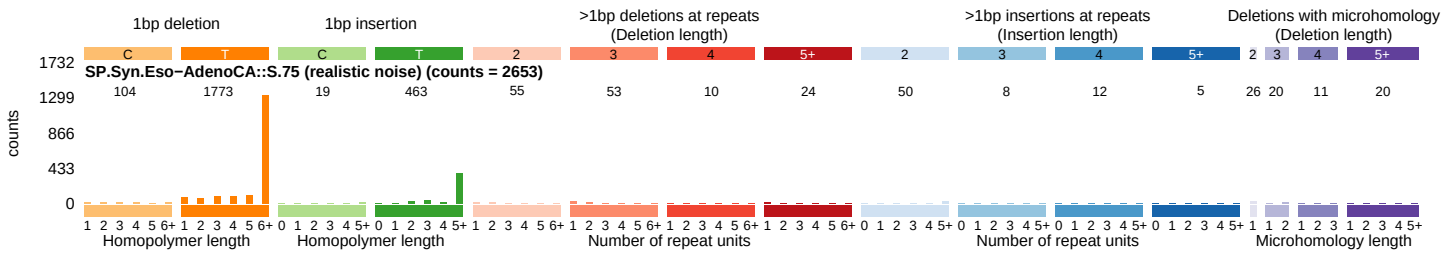
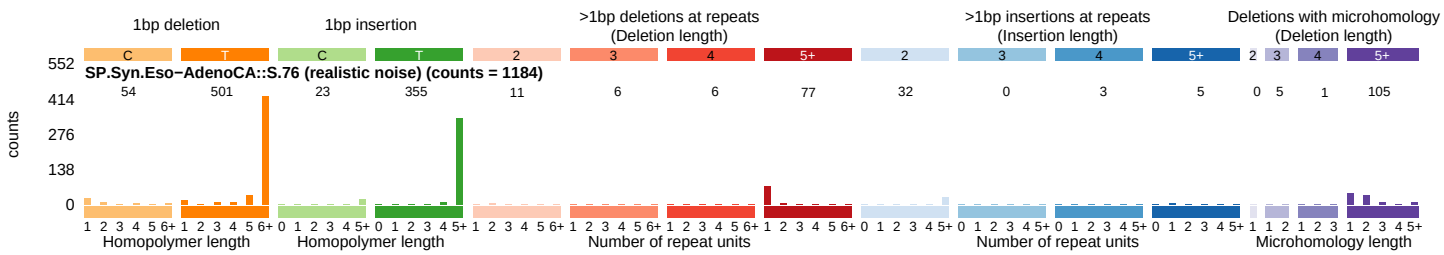
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.72 (realistic noise) (counts = 2713)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
91 2016 42 351 24 35 15 20 65 7 7 4 7 8 6 15
counts
2068 1551 1034 517 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.73 (realistic noise) (counts = 540)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
4 33 12 472 0 2 1 0 7 4 2 0 1 1 0 1
counts
612 459 306 153 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.74 (realistic noise) (counts = 1818)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
44 1200 27 462 4 8 5 9 30 8 5 4 1 2 5 4
counts
1448 1086 724 362 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.75 (realistic noise) (counts = 2653)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
104 1773 19 463 55 53 10 24 50 8 12 5 26 20 11 20
counts
1732 1299 866 433 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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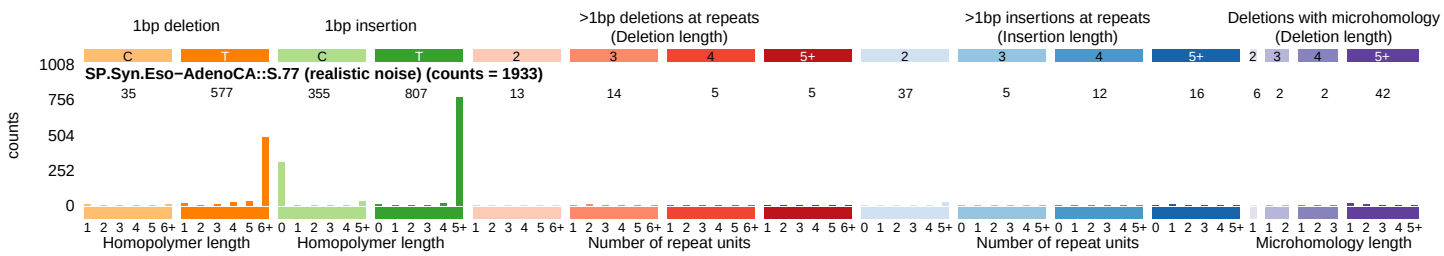
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.76 (realistic noise) (counts = 1184)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
54 501 23 355 11 6 6 77 32 0 3 5 0 5 1 105
counts
552 414 276 138 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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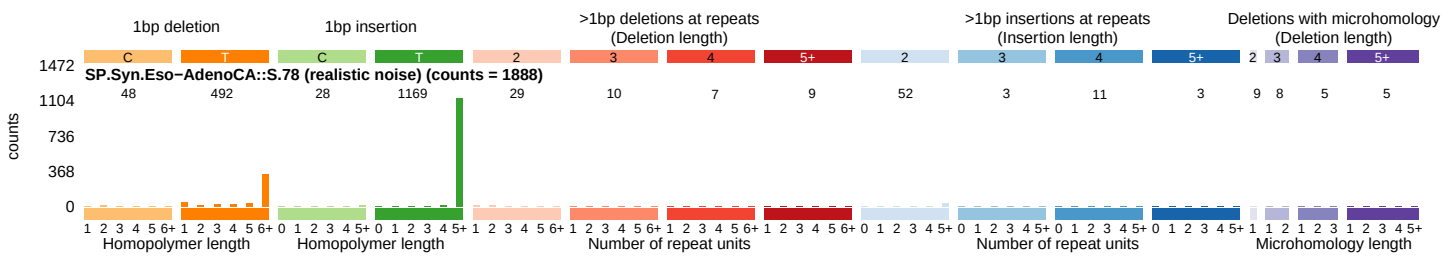
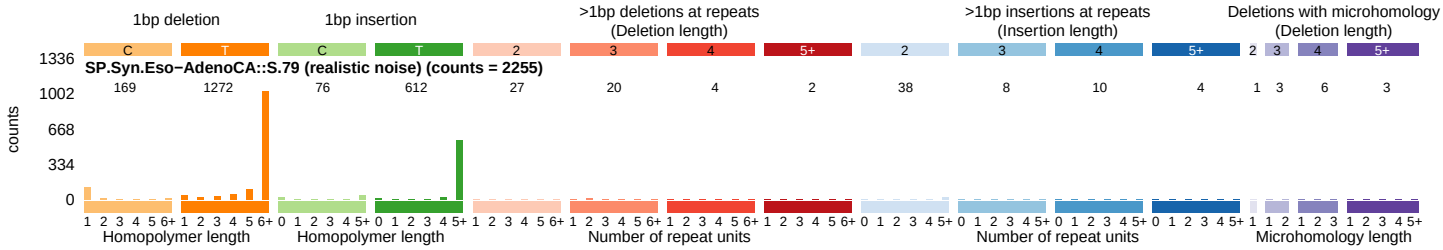
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.77 (realistic noise) (counts = 1933)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
35 577 355 807 13 14 5 5 37 5 12 16 6 2 2 42
counts
1008 756 504 252 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.78 (realistic noise) (counts = 1888)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
48 492 28 1169 29 10 7 9 52 3 11 3 9 8 5 5
counts
1472 1104 736 368 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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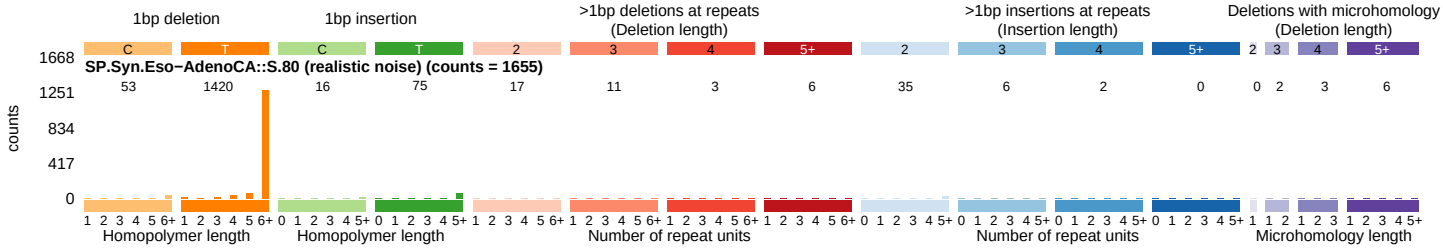
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.79 (realistic noise) (counts = 2255)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
169 1272 76 612 27 20 4 2 38 8 10 4 1 3 6 3
counts
1336 1002 668 334 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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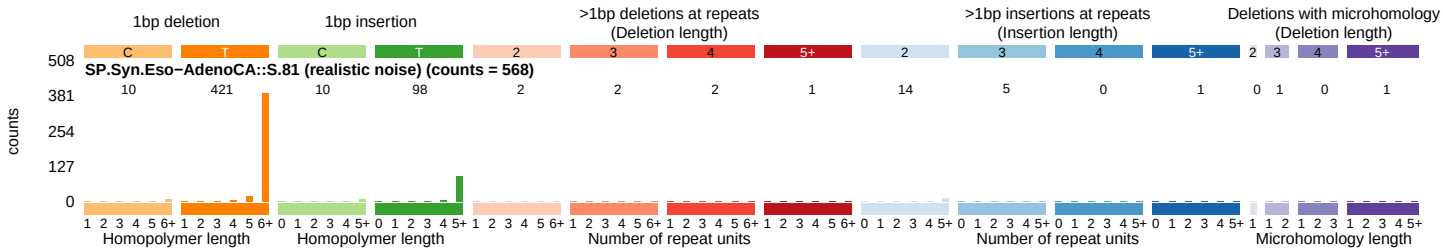
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.80 (realistic noise) (counts = 1655)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
53 1420 16 75 17 11 3 6 35 6 2 0 0 2 3 6
counts
1668 1251 834 417 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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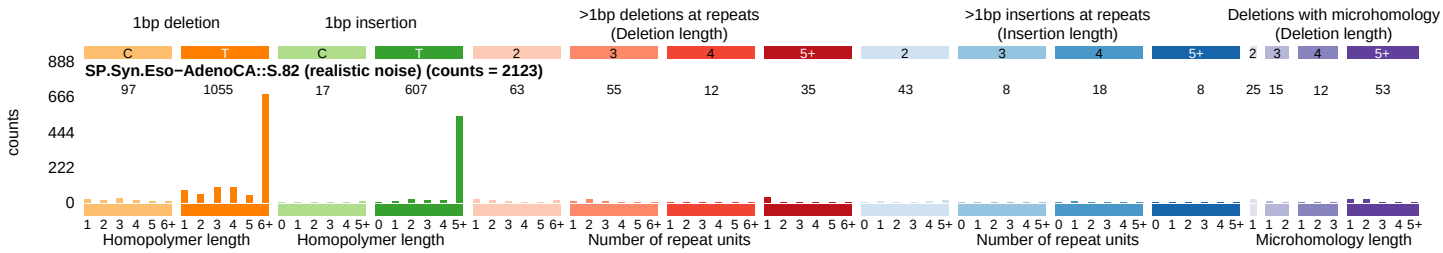
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.81 (realistic noise) (counts = 568)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
10 421 10 98 2 2 2 1 14 5 0 1 0 1 0 1
counts
508 381 254 127 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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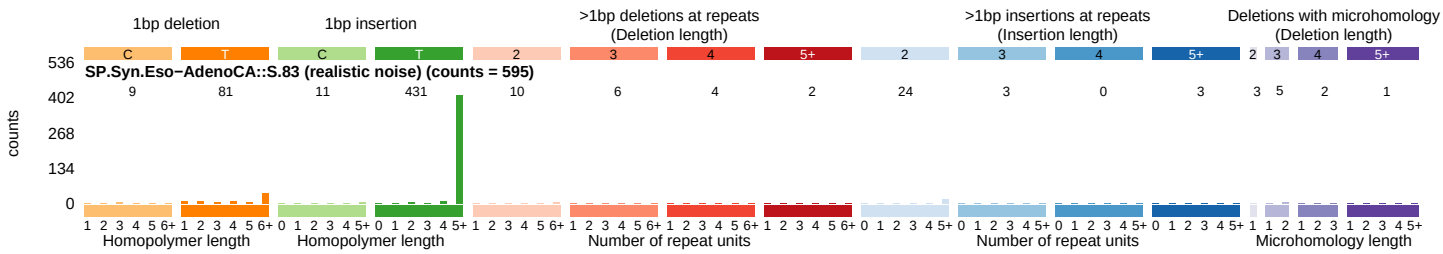
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.82 (realistic noise) (counts = 2123)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
97 1055 17 607 63 55 12 35 43 8 18 8 25 15 12 53
counts
888 666 444 222 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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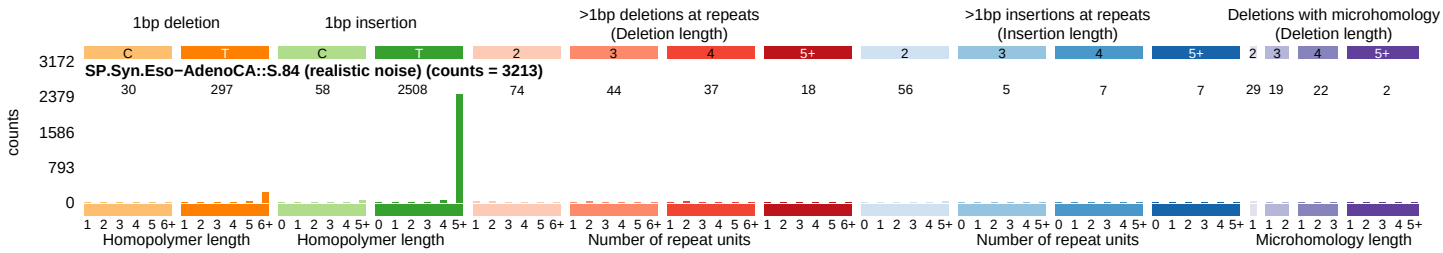
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.83 (realistic noise) (counts = 595)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
9 81 11 431 10 6 4 2 24 3 0 3 3 5 2 1
counts
536 402 268 134 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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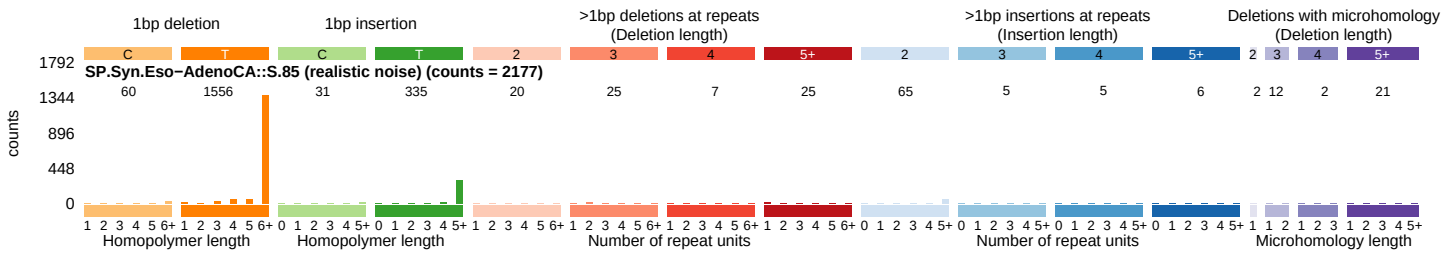
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.84 (realistic noise) (counts = 3213)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
30 297 58 2508 74 44 37 18 56 5 7 7 29 19 22 2
counts
3172 2379 1586 793 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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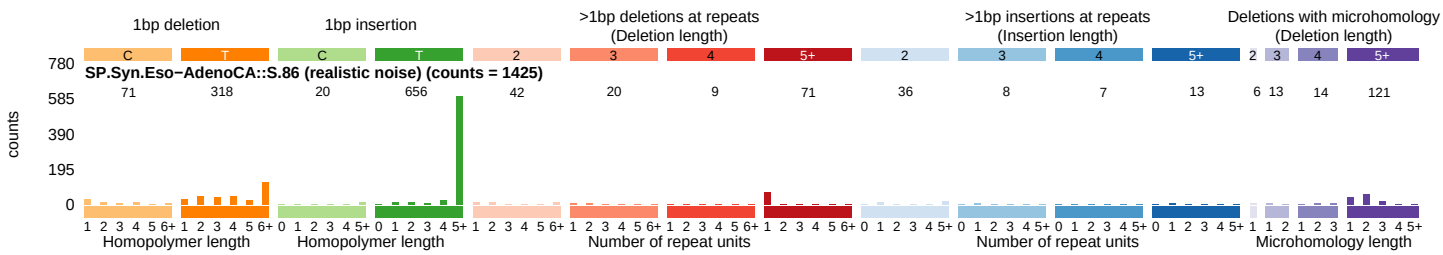
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.85 (realistic noise) (counts = 2177)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
60 1556 31 335 20 25 7 25 65 5 5 6 2 12 2 21
counts
1792 1344 896 448 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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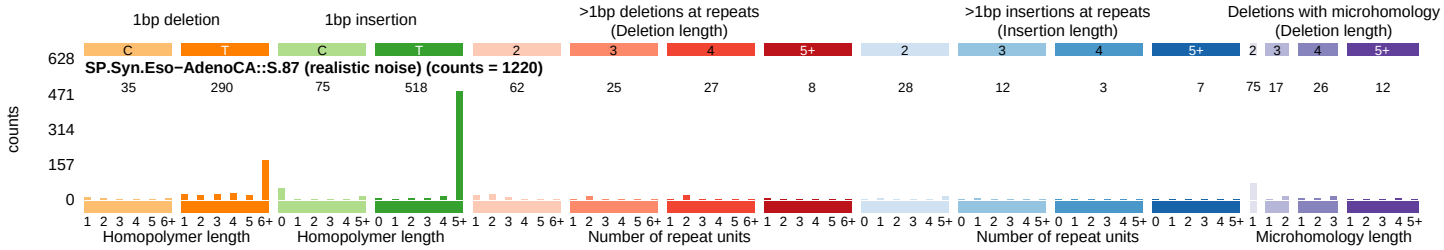
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.86 (realistic noise) (counts = 1425)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
71 318 20 656 42 20 9 71 36 8 7 13 6 13 14 121
counts
780 585 390 195 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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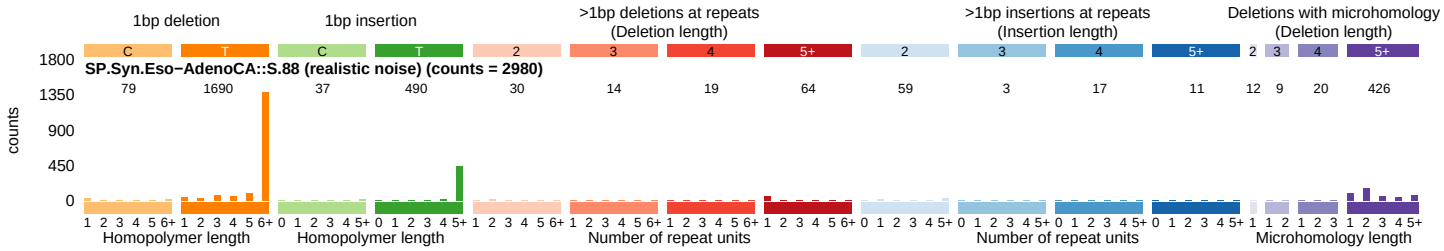
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.87 (realistic noise) (counts = 1220)
counts
Homopolymer length
Number of repeat units
Microhomology length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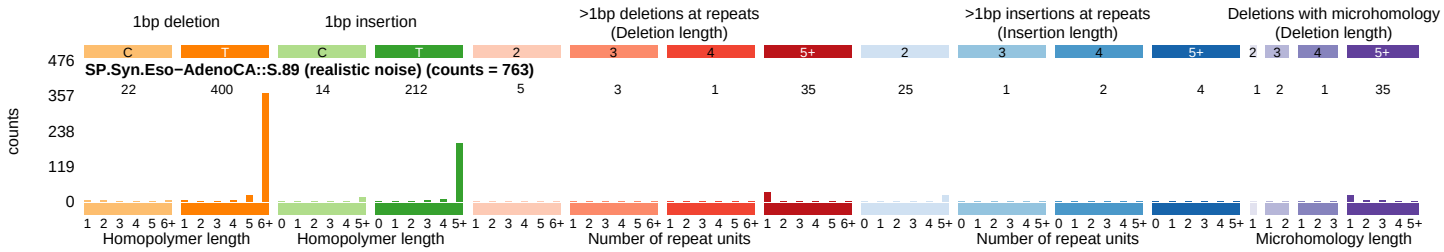
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.88 (realistic noise) (counts = 2980)
counts
Homopolymer length
Number of repeat units
Microhomology length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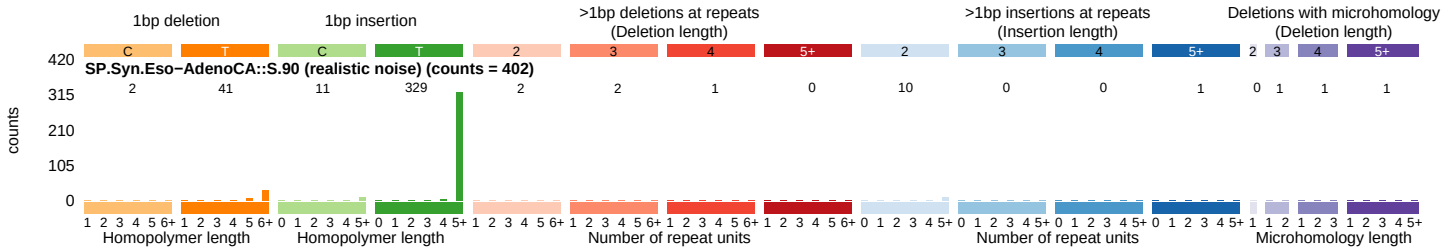
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.89 (realistic noise) (counts = 763)
counts
Homopolymer length
Number of repeat units
Microhomology length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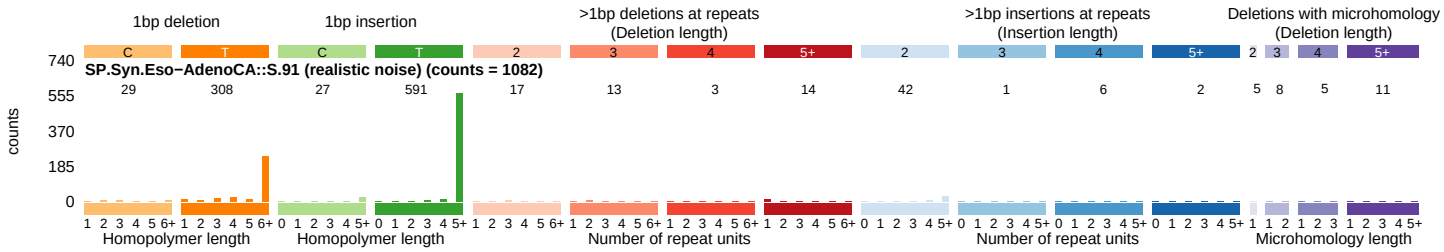
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.90 (realistic noise) (counts = 402)
counts
Homopolymer length
Number of repeat units
Microhomology length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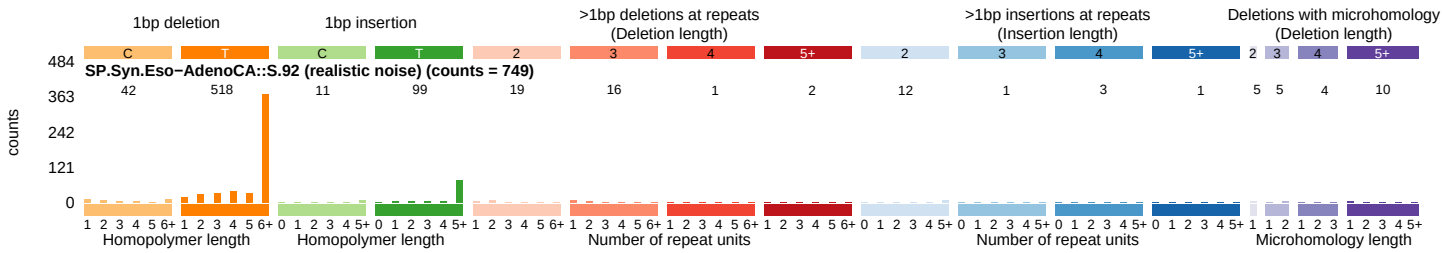
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.91 (realistic noise) (counts = 1082)
counts
Homopolymer length
Number of repeat units
Microhomology length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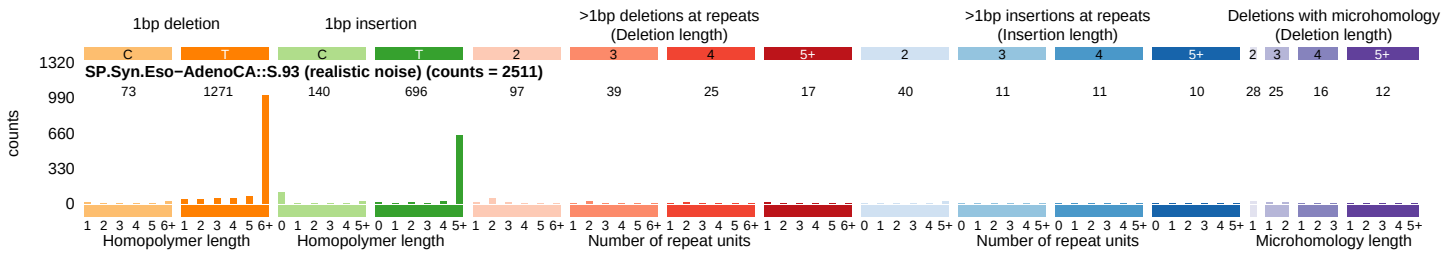
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.92 (realistic noise) (counts = 749)
counts
Homopolymer length
Number of repeat units
Microhomology length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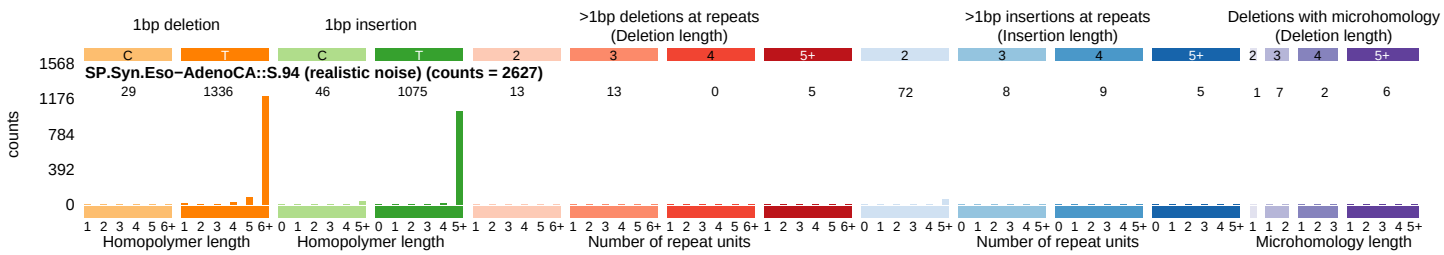
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.93 (realistic noise) (counts = 2511)
counts
Homopolymer length
Number of repeat units
Microhomology length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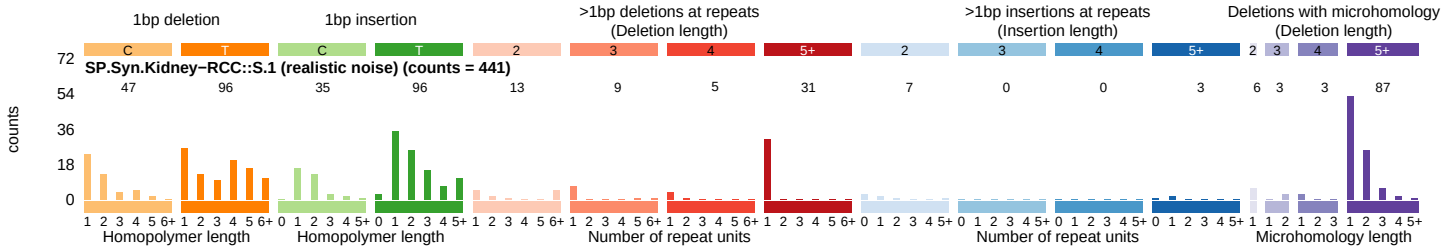
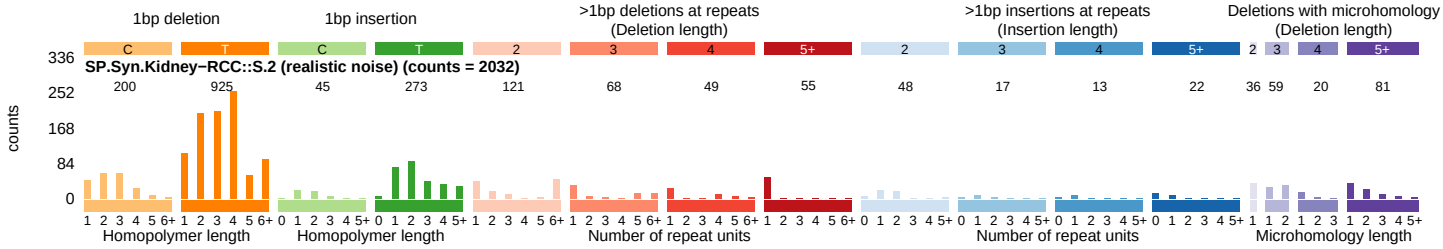
Deletions with microhomology (Deletion length)
SP.Syn.Eso−AdenoCA::S.94 (realistic noise) (counts = 2627)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.1 (realistic noise) (counts = 441)
47 96 35 96 13 9 5 31 7 0 0 3 6 3 3 87
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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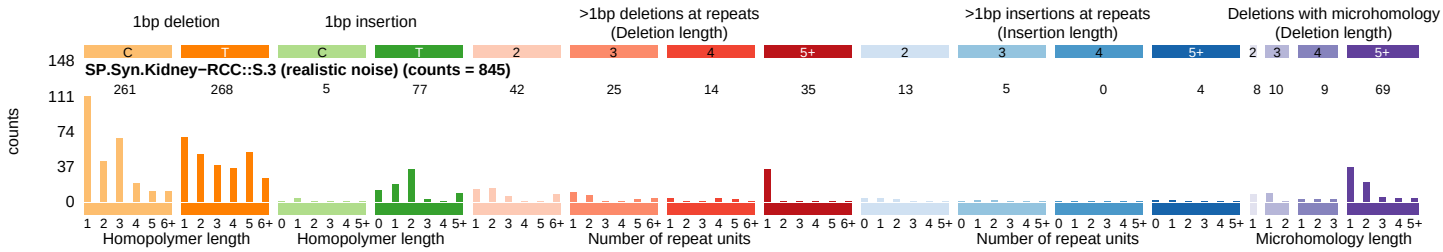
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.2 (realistic noise) (counts = 2032)
200 925 45 273 121 68 49 55 48 17 13 22 36 59 20 81
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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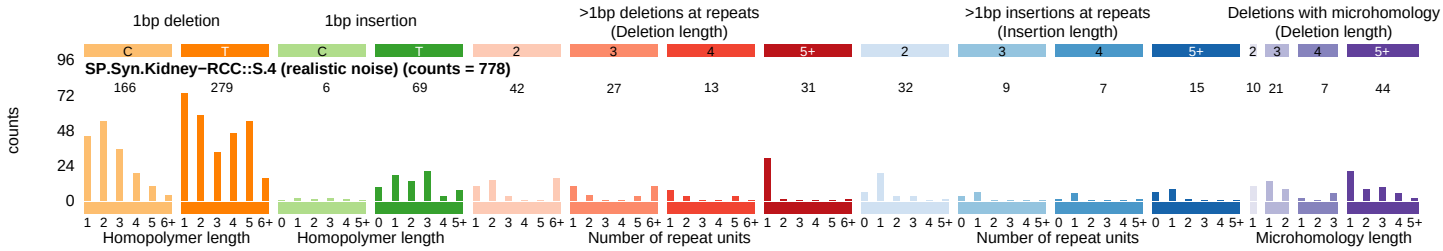
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.3 (realistic noise) (counts = 845)
261 268 5 77 42 25 14 35 13 5 0 4 8 10 9 69
counts
Homopolymer length
Number of repeat units
Microhomology length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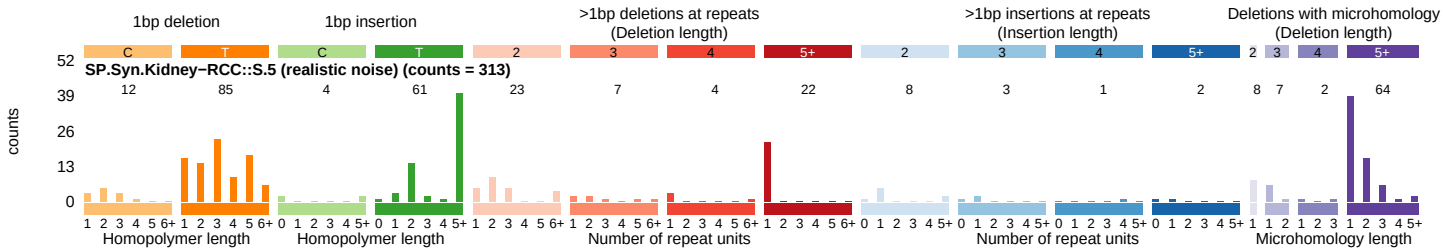
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.4 (realistic noise) (counts = 778)
166 279 6 69 42 27 13 31 32 9 7 15 10 21 7 44
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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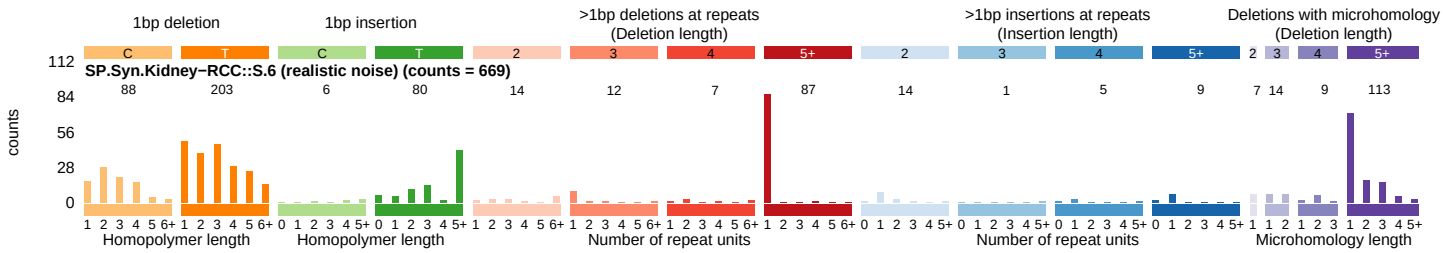
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.5 (realistic noise) (counts = 313)
12 85 4 61 23 7 4 22 8 3 1 2 8 7 2 64
counts
Homopolymer length
Number of repeat units
Microhomology length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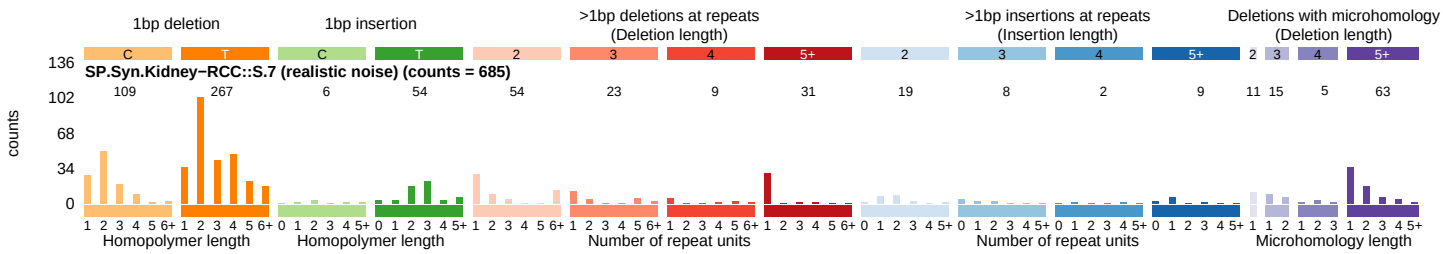
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.6 (realistic noise) (counts = 669)
88 203 6 80 14 12 7 87 14 1 5 9 7 14 9 113
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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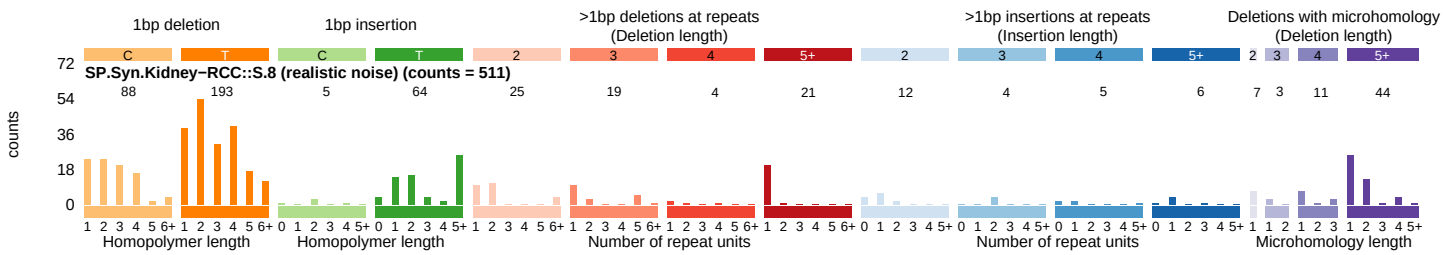
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.7 (realistic noise) (counts = 685)
109 267 6 54 54 23 9 31 19 8 2 9 11 15 5 63
counts
Homopolymer length
Number of repeat units
Microhomology length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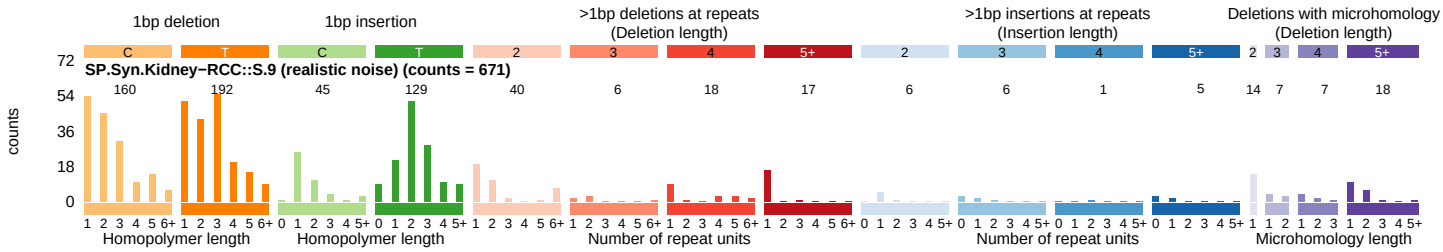
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.8 (realistic noise) (counts = 511)
88 193 5 64 25 19 4 21 12 4 5 6 7 3 11 44
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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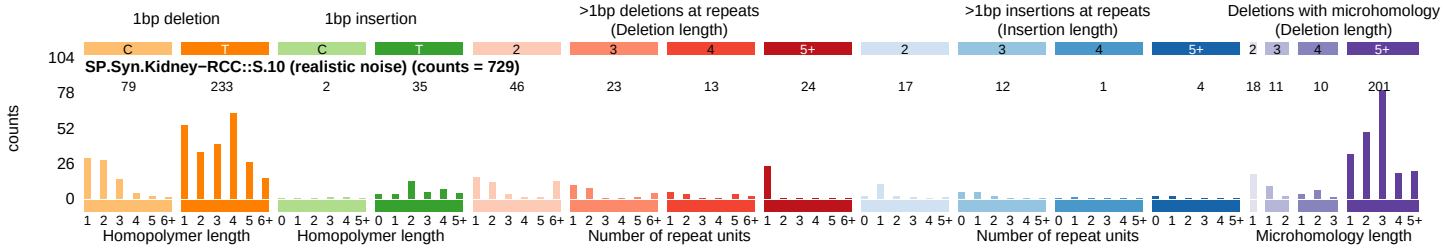
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.9 (realistic noise) (counts = 671)
160 192 45 129 40 6 18 17 6 6 1 5 14 7 7 18
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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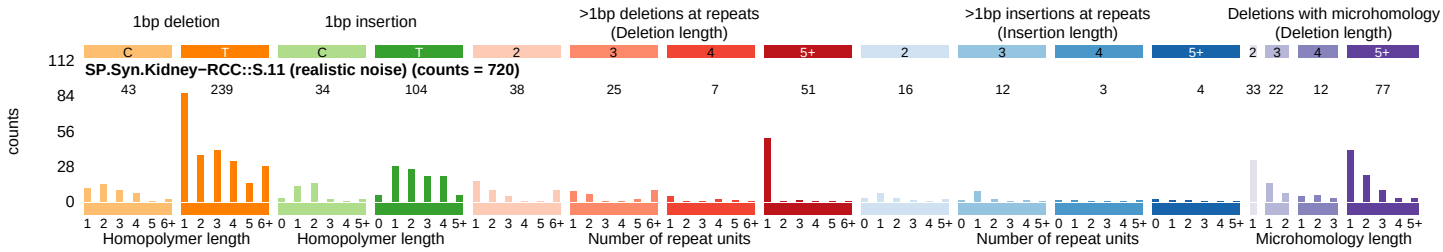
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.10 (realistic noise) (counts = 729)
79 233 2 35 46 23 13 24 17 12 1 4 18 11 10 201
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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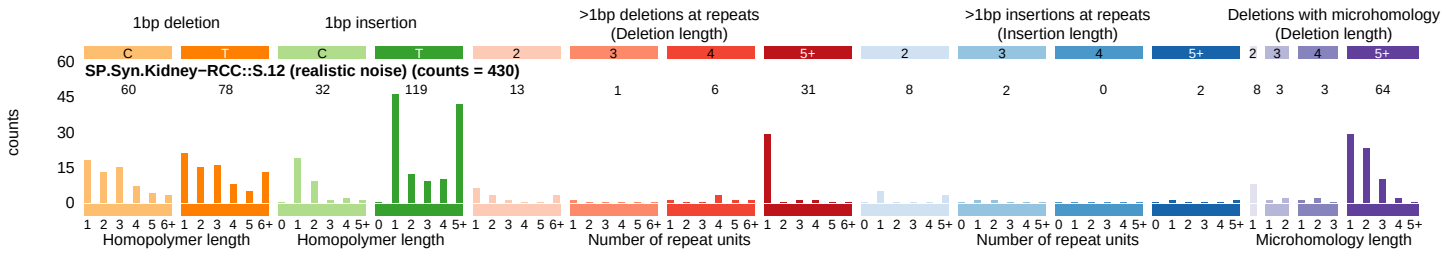
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.11 (realistic noise) (counts = 720)
43 239 34 104 38 25 7 51 16 12 3 4 33 22 12 77
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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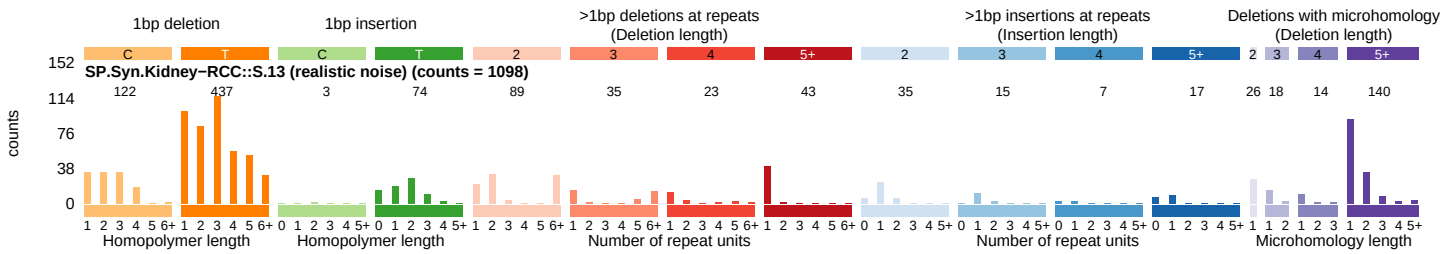
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.12 (realistic noise) (counts = 430)
60 78 32 119 13 1 6 31 8 2 0 2 8 3 3 64
counts
Homopolymer length
Number of repeat units
Microhomology length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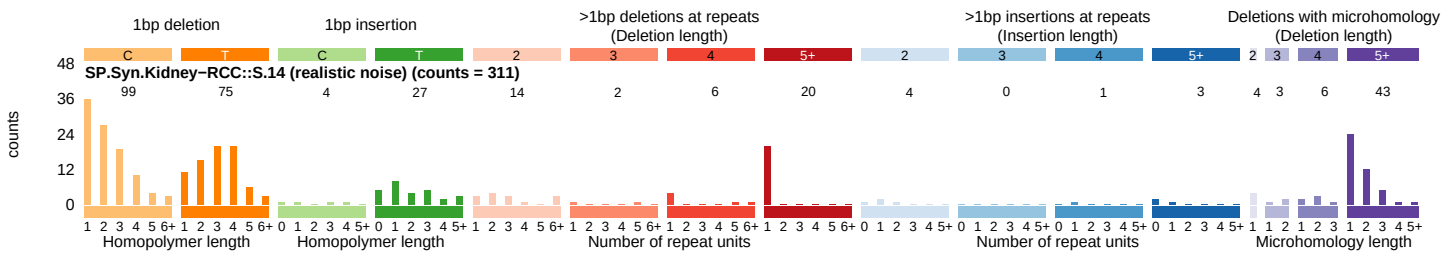
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.13 (realistic noise) (counts = 1098)
122 437 3 74 89 35 23 43 35 15 7 17 26 18 14 140
counts
Homopolymer length
Number of repeat units
Microhomology length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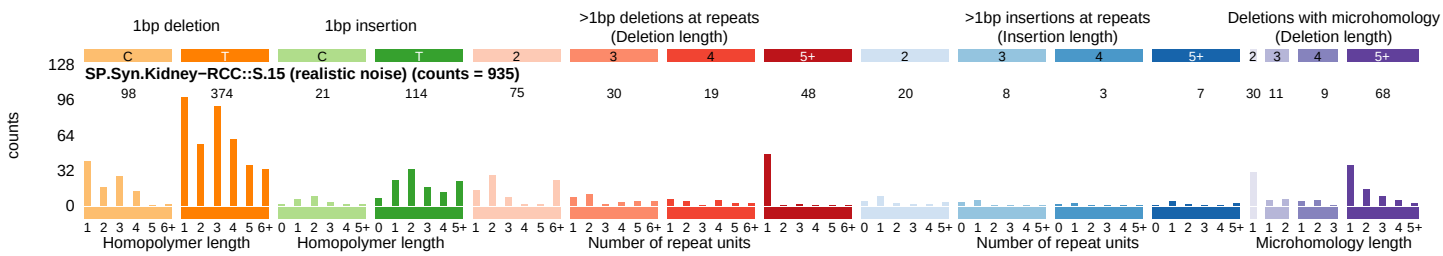
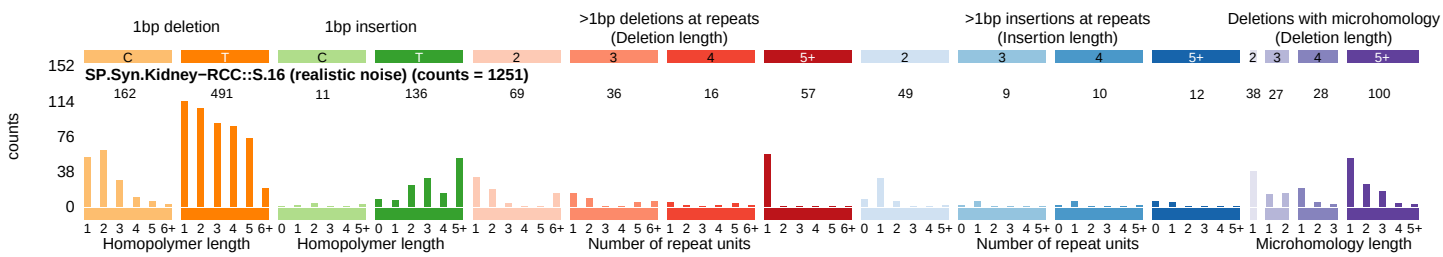
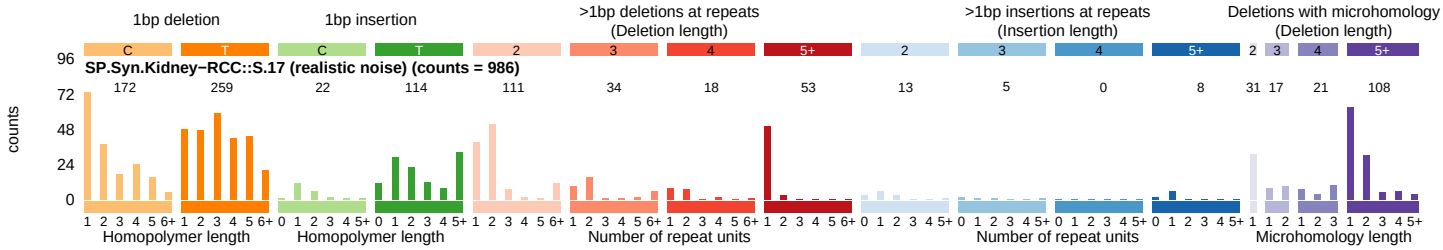
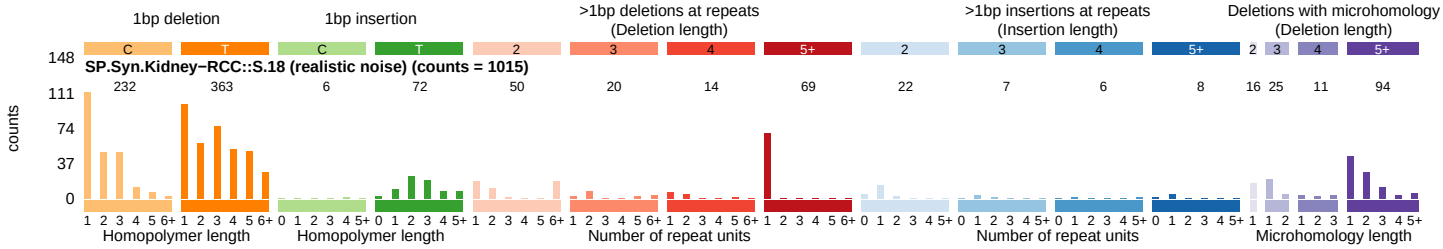
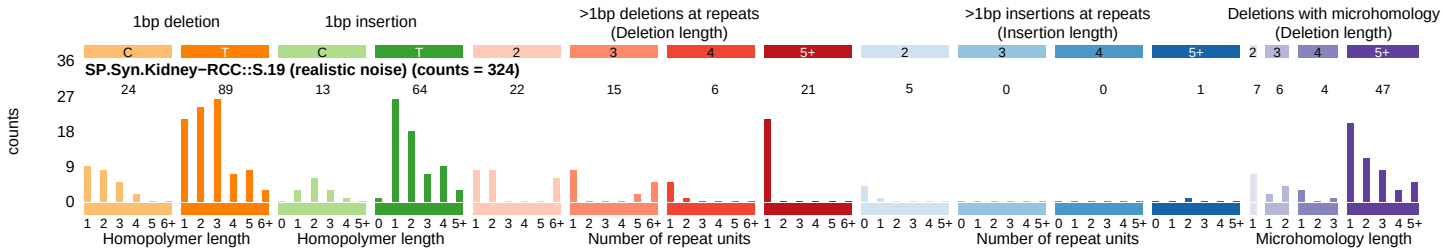
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.14 (realistic noise) (counts = 311)
99 75 4 27 14 2 6 20 4 0 1 3 4 3 6 43
counts
Homopolymer length
Number of repeat units
Microhomology length

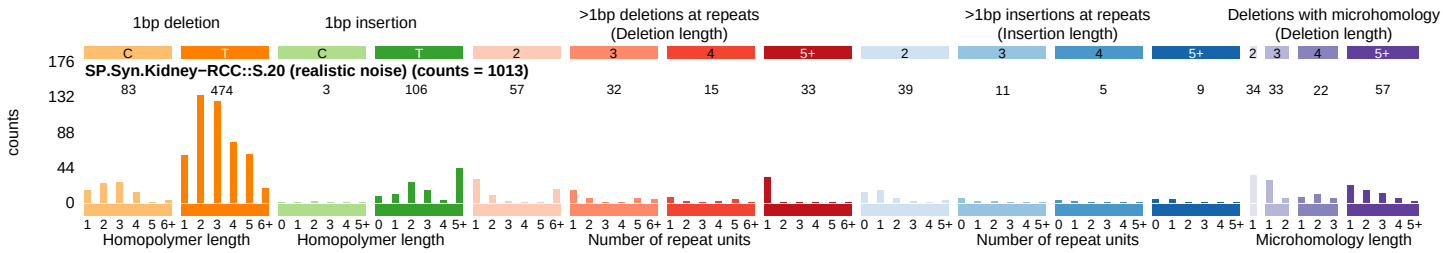

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.15 (realistic noise) (counts = 935)
98 374 21 114 75 30 19 48 20 8 3 7 30 11 9 68
counts
Homopolymer length
Number of repeat units
Microhomology length

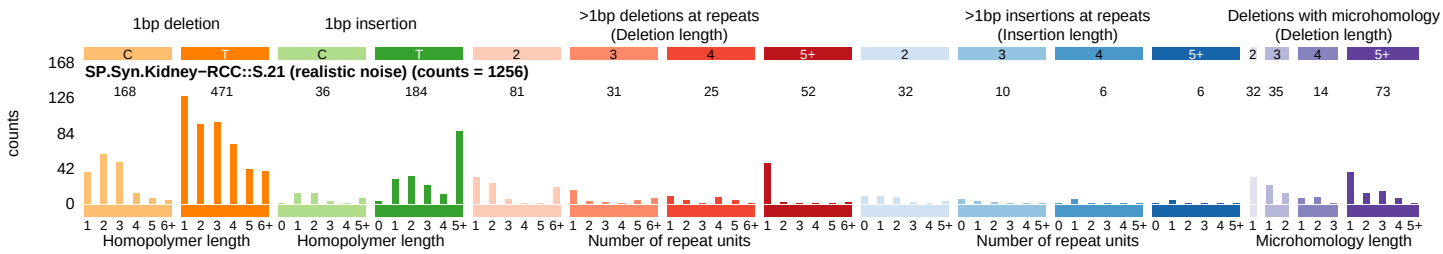

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.16 (realistic noise) (counts = 1251)
162 491 11 136 69 36 16 57 49 9 10 12 38 27 28 100
counts
Homopolymer length
Number of repeat units
Microhomology length

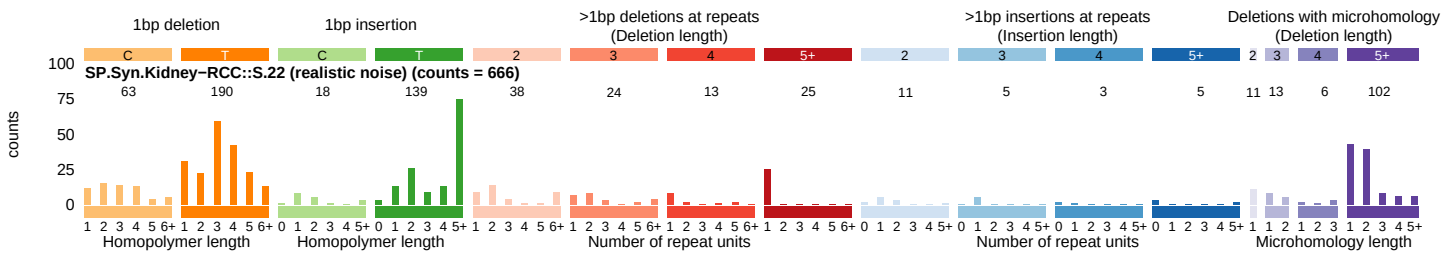

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.17 (realistic noise) (counts = 986)
172 259 22 114 111 34 18 53 13 5 0 8 31 17 21 108
counts
Homopolymer length
Number of repeat units
Microhomology length

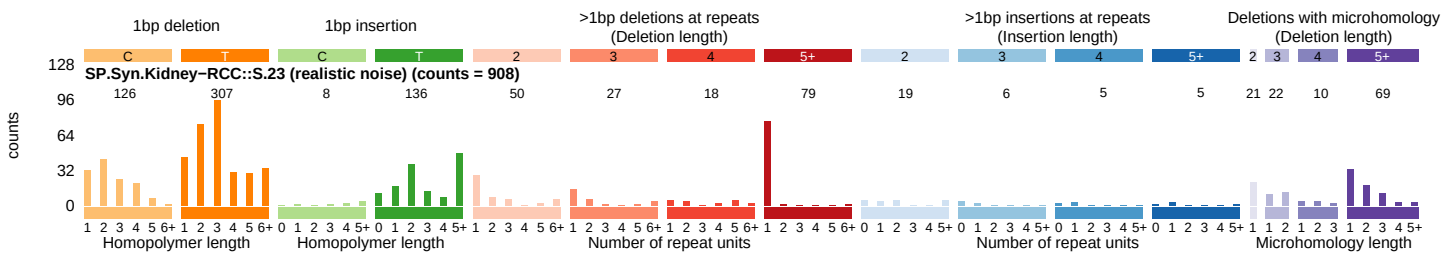

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.18 (realistic noise) (counts = 1015)
232 363 6 72 50 20 14 69 22 7 6 8 16 25 11 94
counts
Homopolymer length
Number of repeat units
Microhomology length

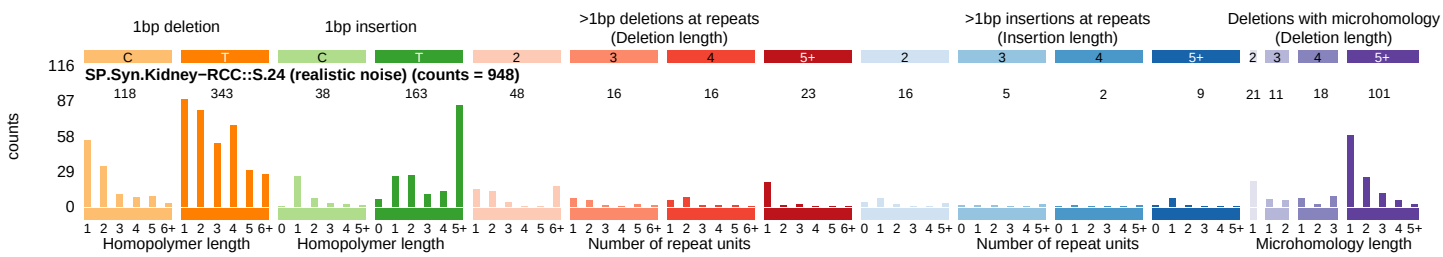

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.19 (realistic noise) (counts = 324)
24 89 13 64 22 15 6 21 5 0 0 1 7 6 4 47
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.20 (realistic noise) (counts = 1013)
83 474 3 106 57 32 15 33 39 11 5 9 34 33 22 57
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.21 (realistic noise) (counts = 1256)
168 471 36 184 81 31 25 52 32 10 6 6 32 35 14 73
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.22 (realistic noise) (counts = 666)
63 190 18 139 38 24 13 25 11 5 3 5 11 13 6 102
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.23 (realistic noise) (counts = 908)
126 307 8 136 50 27 18 79 19 6 5 5 21 22 10 69
counts
Homopolymer length
Number of repeat units
Microhomology length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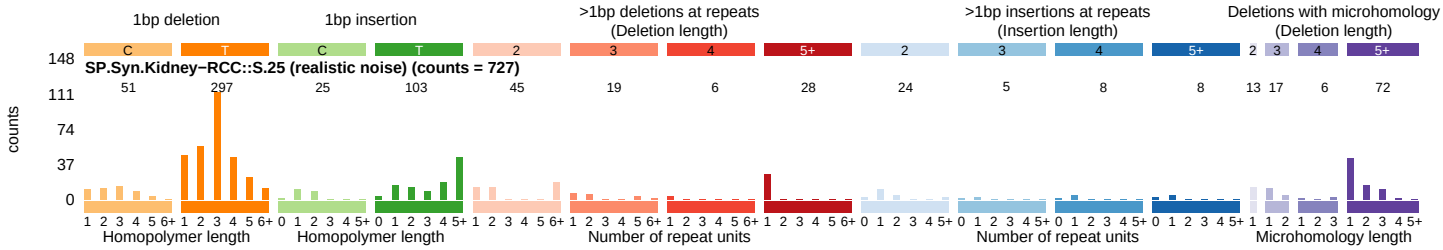
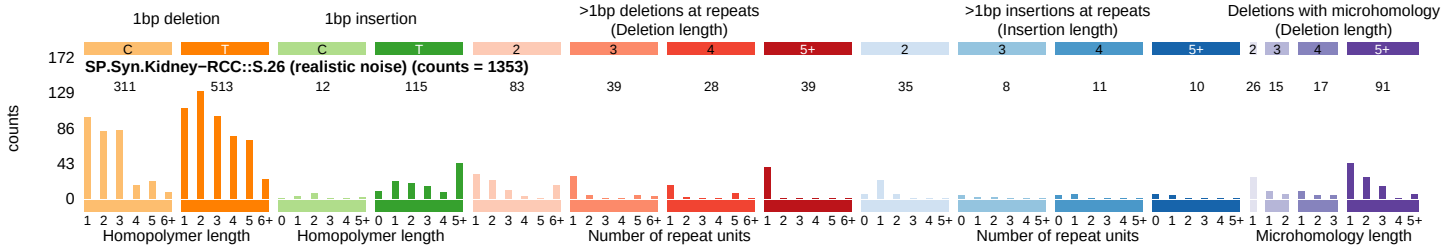
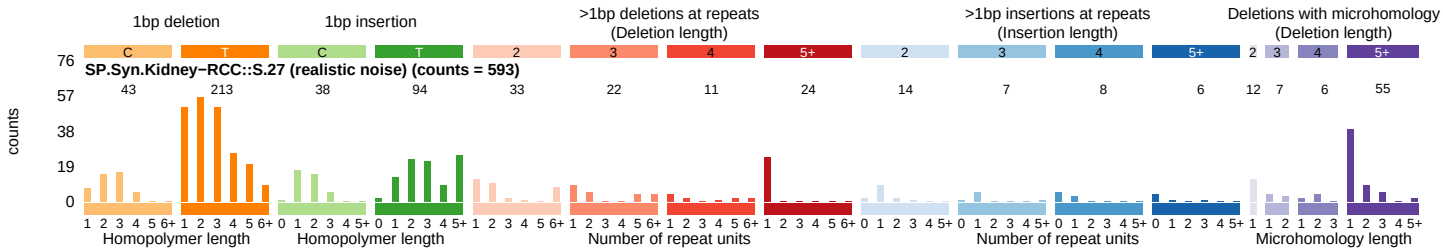
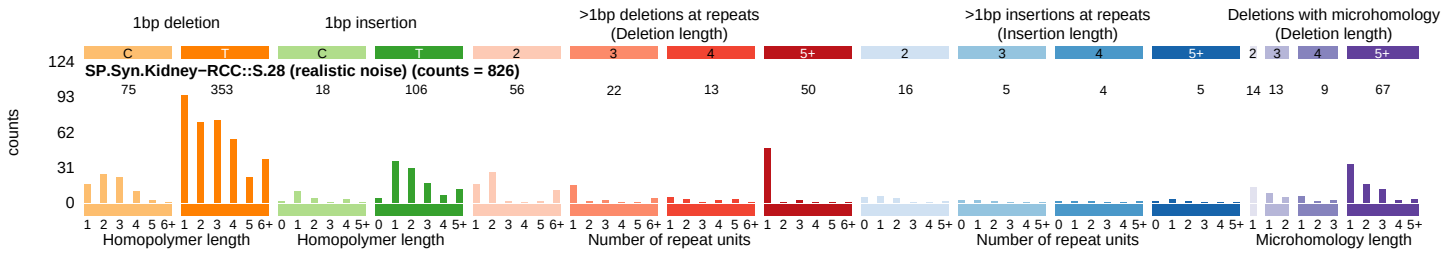
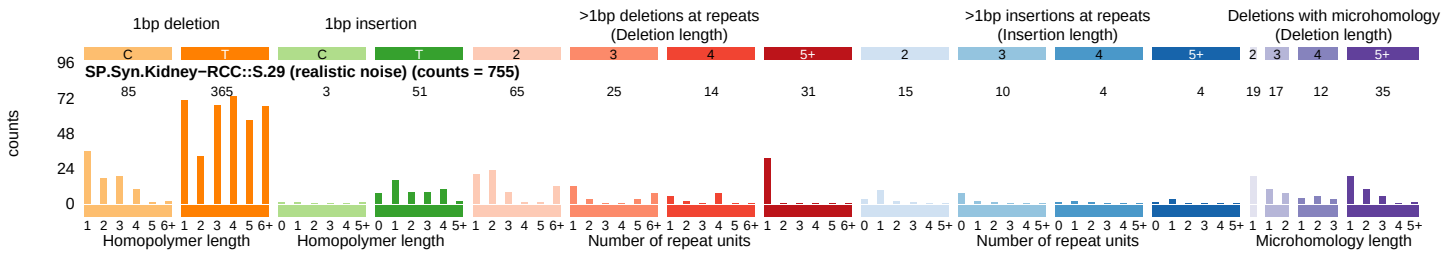
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.24 (realistic noise) (counts = 948)
118 343 38 163 48 16 16 23 16 5 2 9 21 11 18 101
counts
Homopolymer length
Number of repeat units
Microhomology length

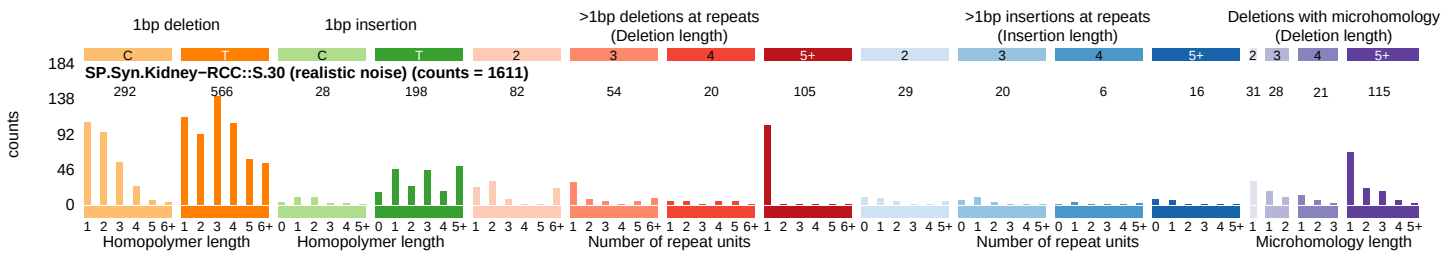

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.25 (realistic noise) (counts = 727)
51 297 25 103 45 19 6 28 24 5 8 8 13 17 6 72
counts
148 111 74 37 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

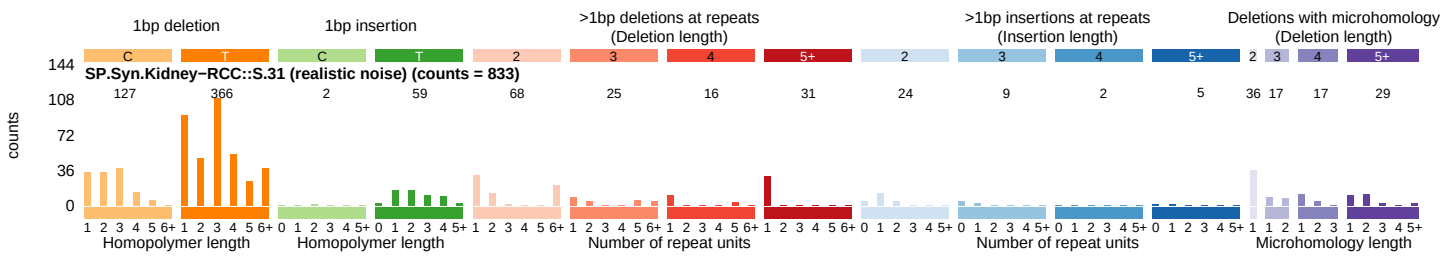

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.26 (realistic noise) (counts = 1353)
311 513 12 115 83 39 28 39 35 8 11 10 26 15 17 91
counts
172 129 86 43 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

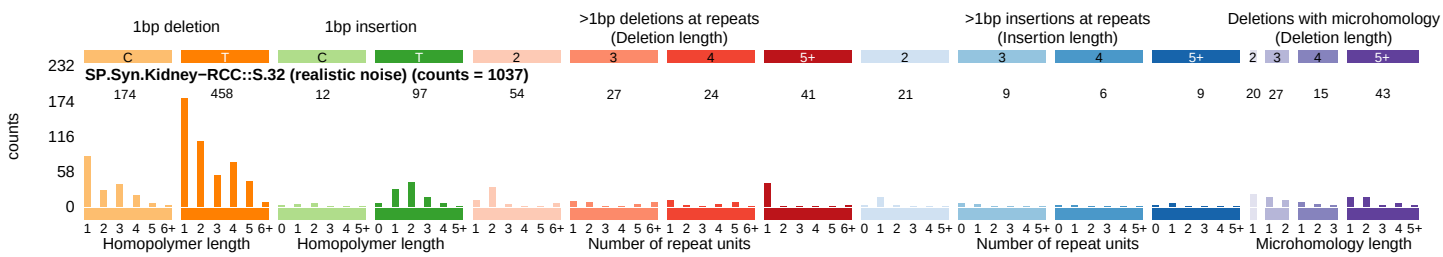

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.27 (realistic noise) (counts = 593)
43 213 38 94 33 22 11 24 14 7 8 6 12 7 6 55
counts
76 57 38 19 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

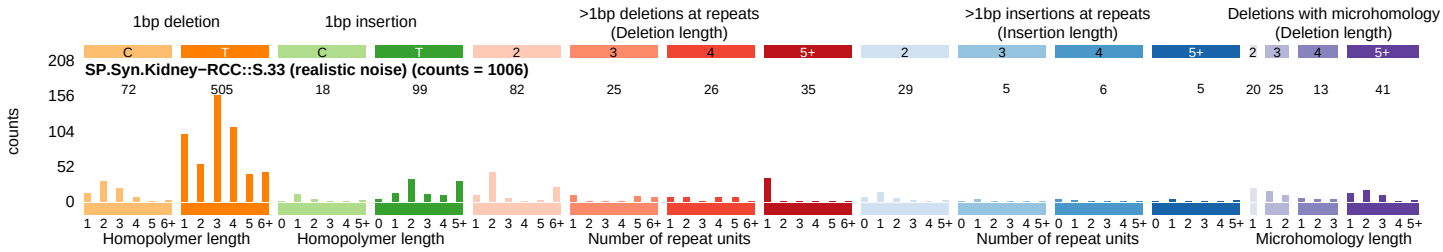

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.28 (realistic noise) (counts = 826)
75 353 18 106 56 22 13 50 16 5 4 5 14 13 9 67
counts
124 93 62 31 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

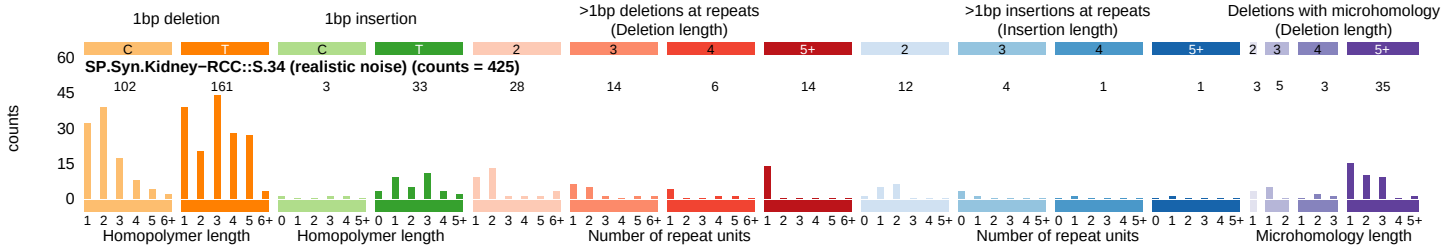

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.29 (realistic noise) (counts = 755)
85 365 3 51 65 25 14 31 15 10 4 4 19 17 12 35
counts
96 72 48 24 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

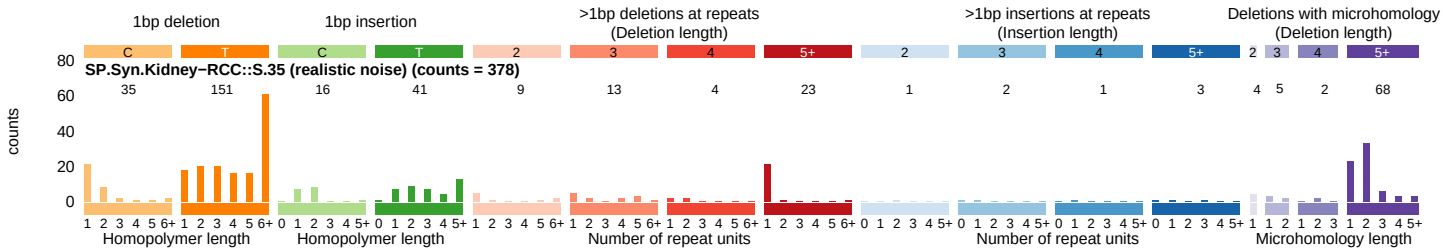

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.30 (realistic noise) (counts = 1611)
292 566 28 198 82 54 20 105 29 20 6 16 31 28 21 115
counts
184 138 92 46 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

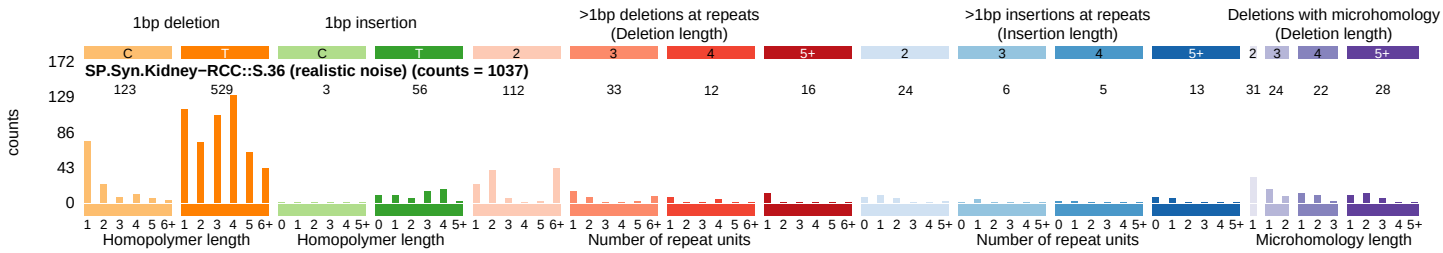

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.31 (realistic noise) (counts = 833)
127 366 2 59 68 25 16 31 24 9 2 5 36 17 17 29
counts
144 108 72 36 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

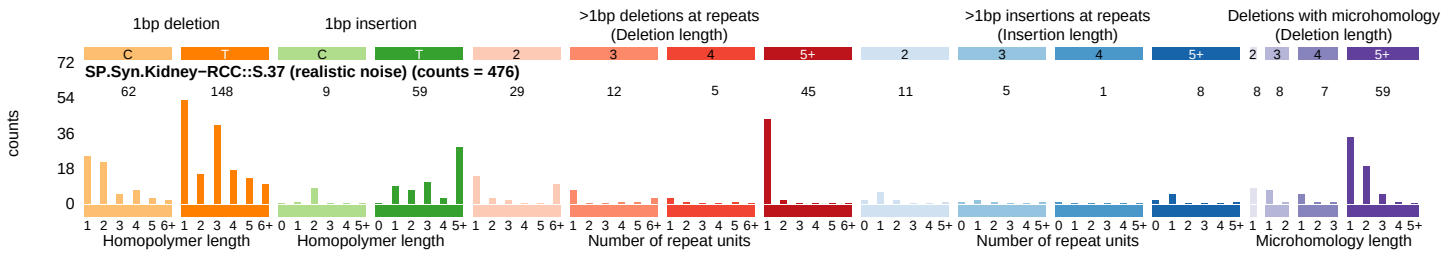

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.32 (realistic noise) (counts = 1037)
174 458 12 97 54 27 24 41 21 9 6 9 20 27 15 43
counts
232 174 116 58 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

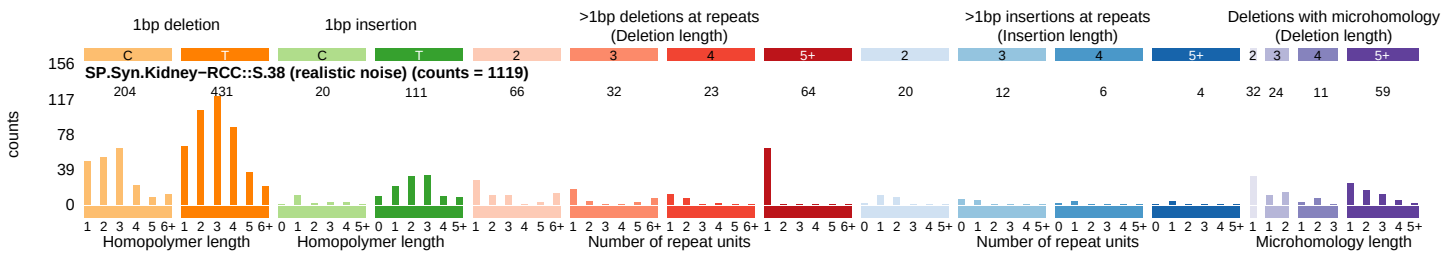

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.33 (realistic noise) (counts = 1006)
72 505 18 99 82 25 26 35 29 5 6 5 20 25 13 41
counts
Homopolymer length
Number of repeat units
Microhomology length

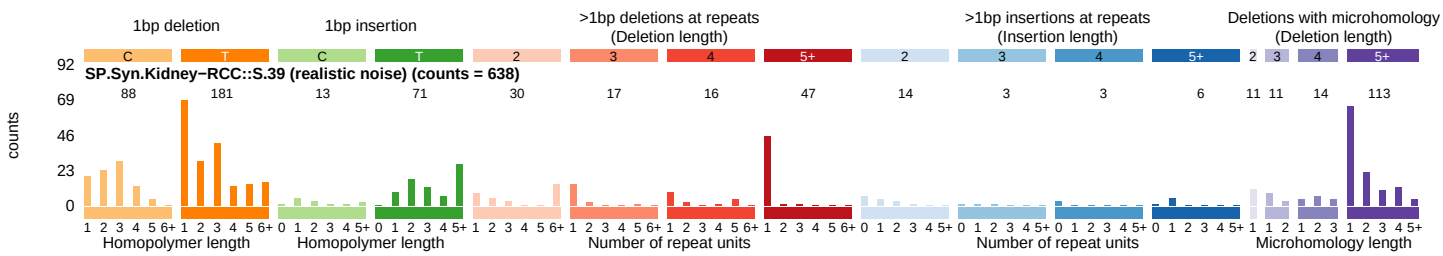

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.34 (realistic noise) (counts = 425)
102 161 3 33 28 14 6 14 12 4 1 1 3 5 3 35
counts
Homopolymer length
Number of repeat units
Microhomology length

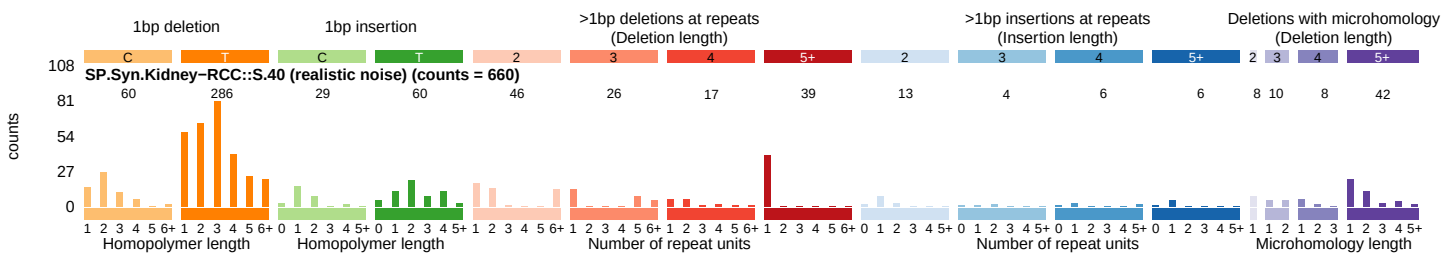

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.35 (realistic noise) (counts = 378)
35 151 16 41 9 13 4 23 1 2 1 3 4 5 2 68
counts
Homopolymer length
Number of repeat units
Microhomology length

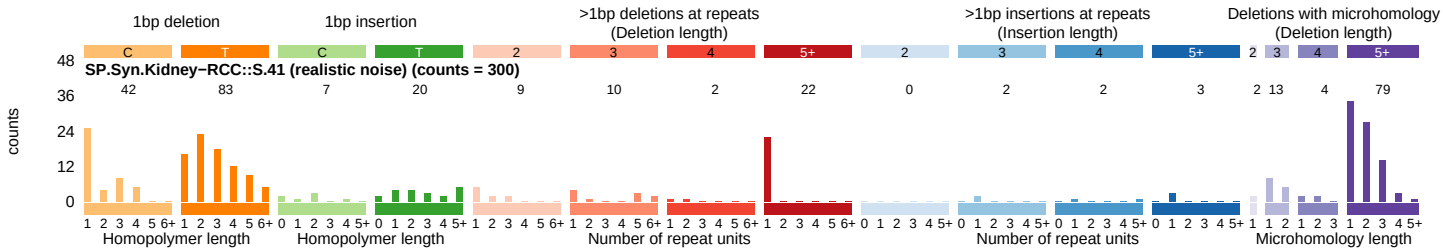

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.36 (realistic noise) (counts = 1037)
123 529 3 56 112 33 12 16 24 6 5 13 31 24 22 28
counts
Homopolymer length
Number of repeat units
Microhomology length

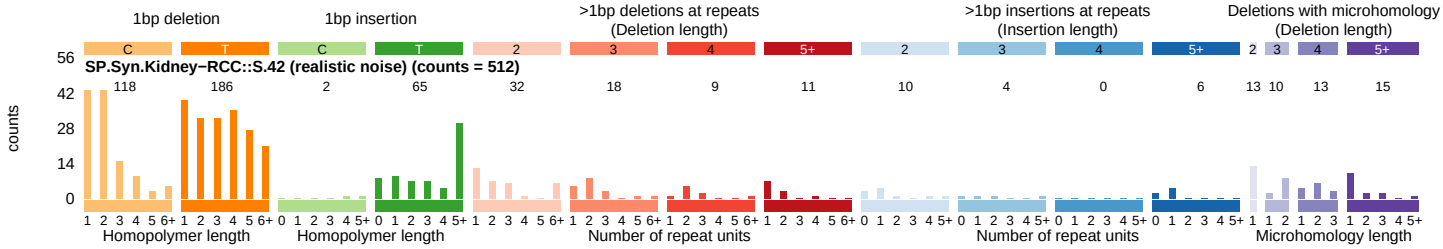

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.37 (realistic noise) (counts = 476)
62 148 9 59 29 12 5 45 11 5 1 8 8 8 7 59
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.38 (realistic noise) (counts = 1119)
204 431 20 111 66 32 23 64 20 12 6 4 32 24 11 59
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.39 (realistic noise) (counts = 638)
88 181 13 71 30 17 16 47 14 3 3 6 11 11 14 113
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.40 (realistic noise) (counts = 660)
60 286 29 60 46 26 17 39 13 4 6 6 8 10 8 42
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.41 (realistic noise) (counts = 300)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
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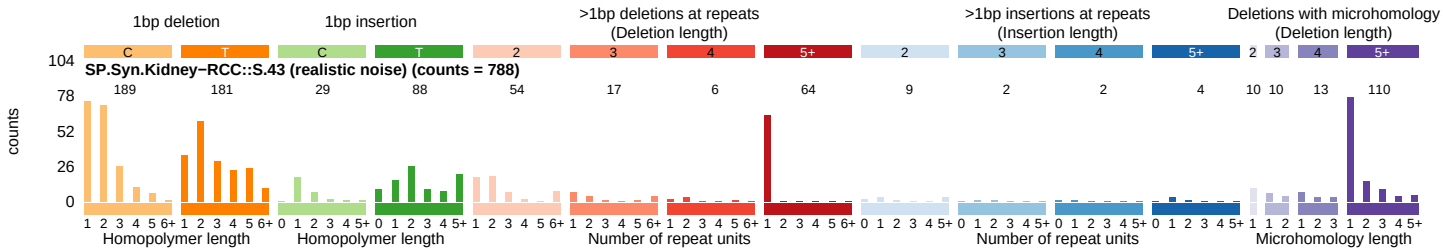
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.42 (realistic noise) (counts = 512)
counts
Homopolymer length
Number of repeat units
Microhomology length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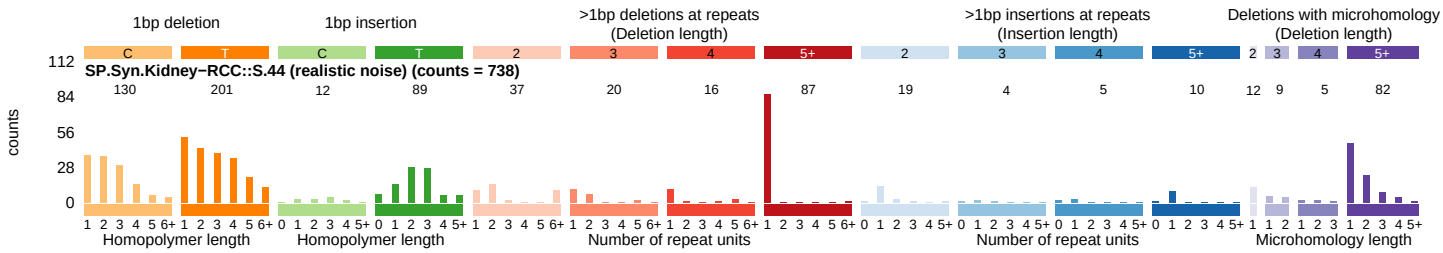
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.43 (realistic noise) (counts = 788)
counts
Homopolymer length
Number of repeat units
Microhomology length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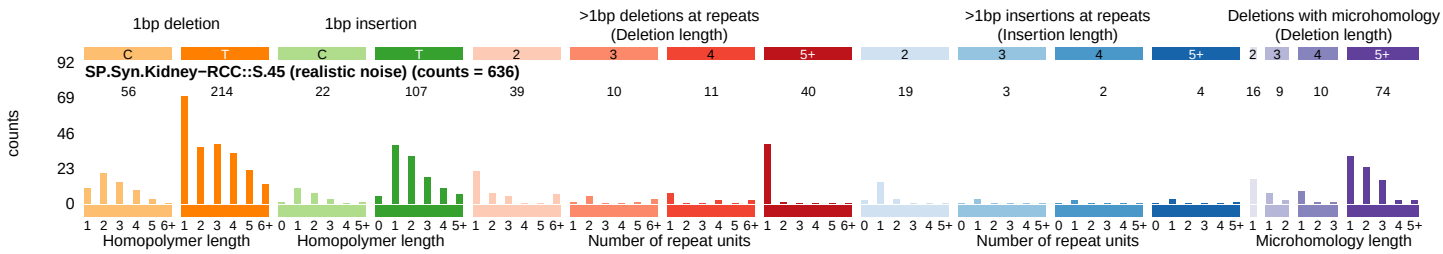
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.44 (realistic noise) (counts = 738)
counts
Homopolymer length
Number of repeat units
Microhomology length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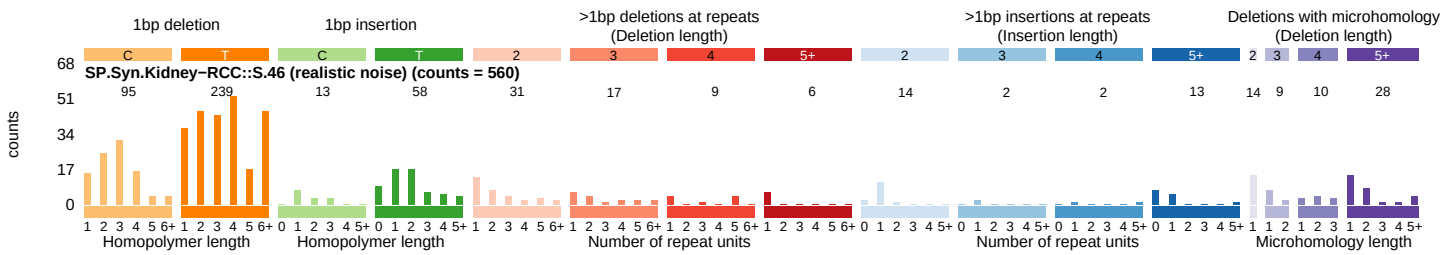
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.45 (realistic noise) (counts = 636)
counts
Homopolymer length
Number of repeat units
Microhomology length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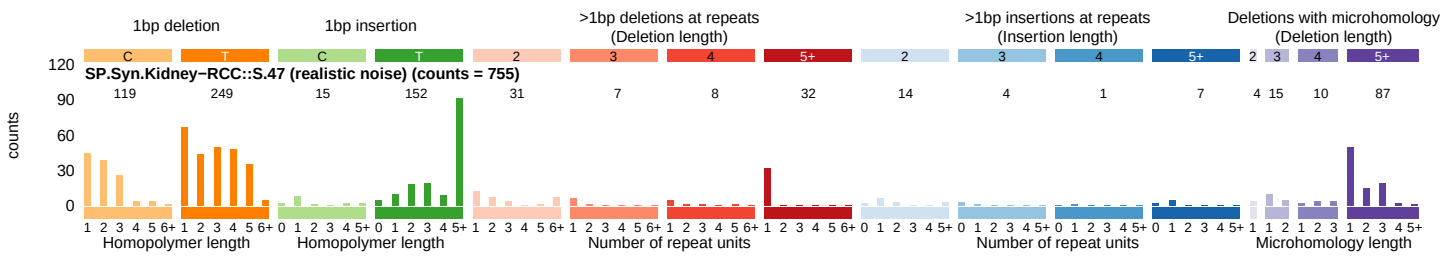
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.46 (realistic noise) (counts = 560)
counts
Homopolymer length
Number of repeat units
Microhomology length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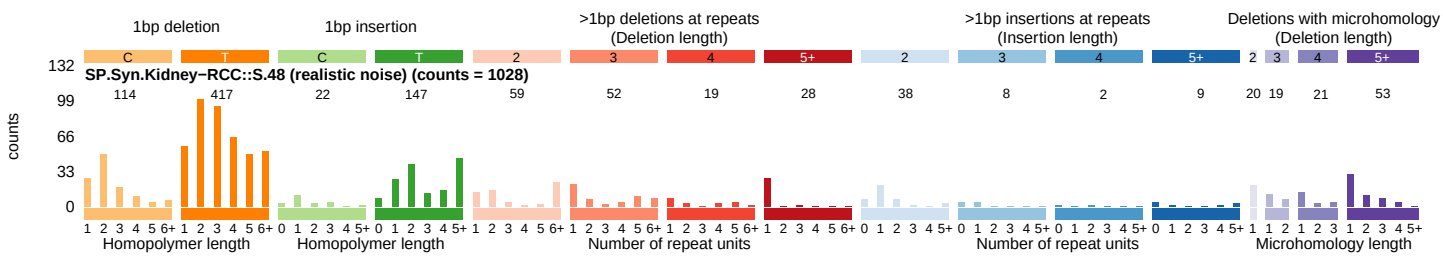
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.47 (realistic noise) (counts = 755)
counts
Homopolymer length
Number of repeat units
Microhomology length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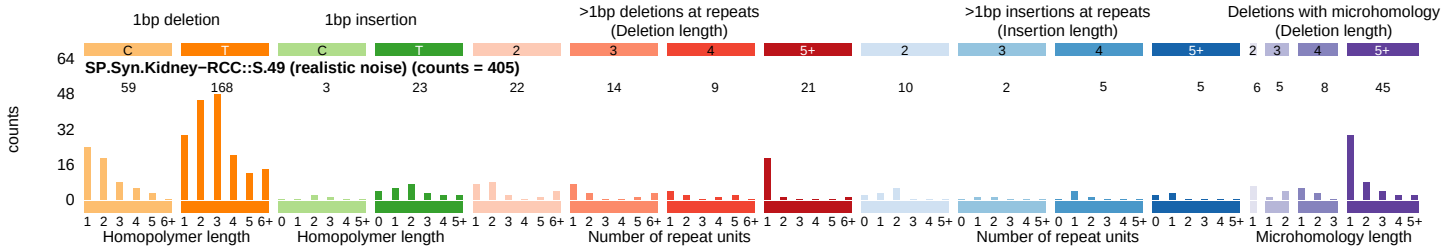
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.48 (realistic noise) (counts = 1028)
counts
Homopolymer length
Number of repeat units
Microhomology length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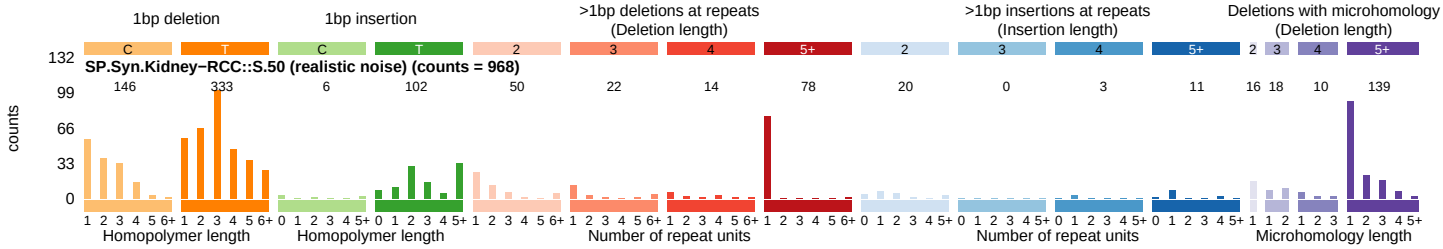
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.49 (realistic noise) (counts = 405)
counts
Homopolymer length
Number of repeat units
Microhomology length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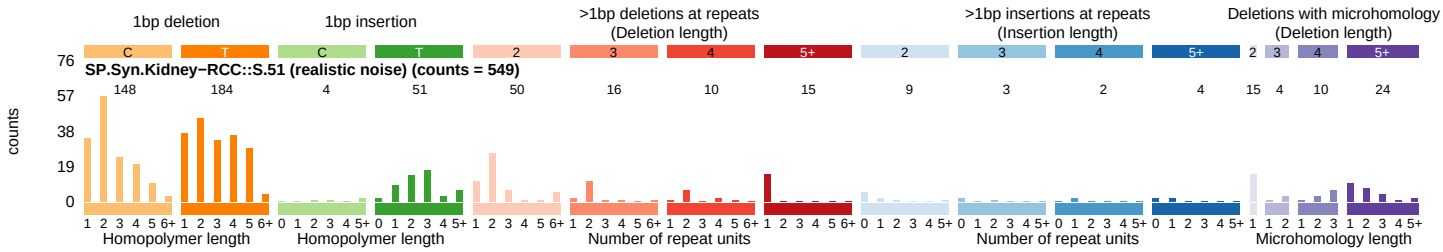
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.50 (realistic noise) (counts = 968)
counts
Homopolymer length
Number of repeat units
Microhomology length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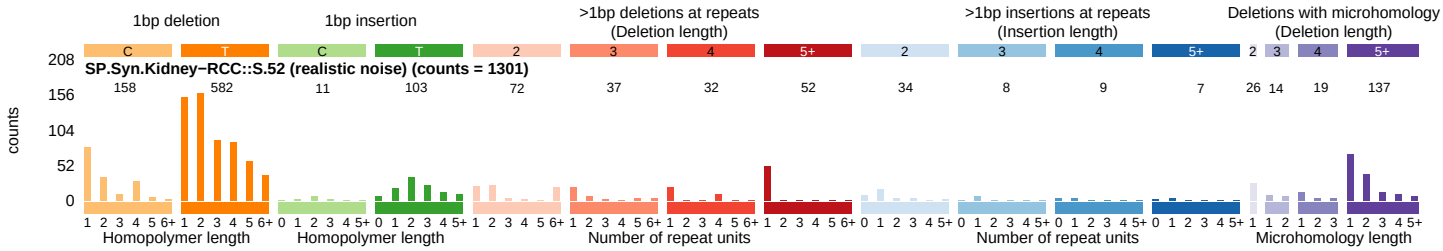
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.51 (realistic noise) (counts = 549)
counts
Homopolymer length
Number of repeat units
Microhomology length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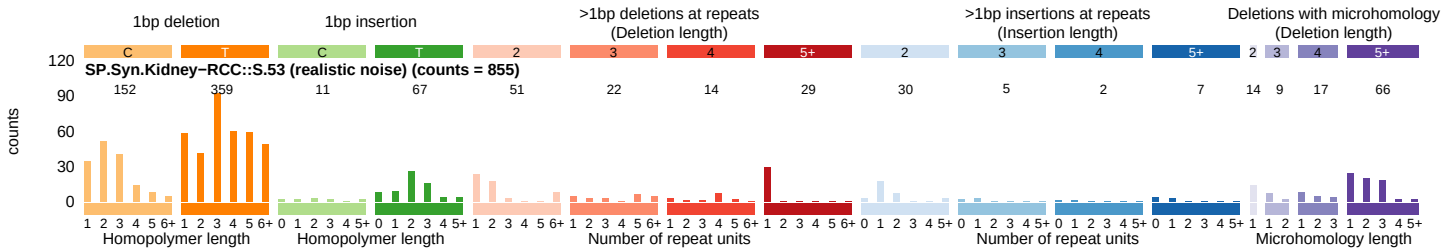
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.52 (realistic noise) (counts = 1301)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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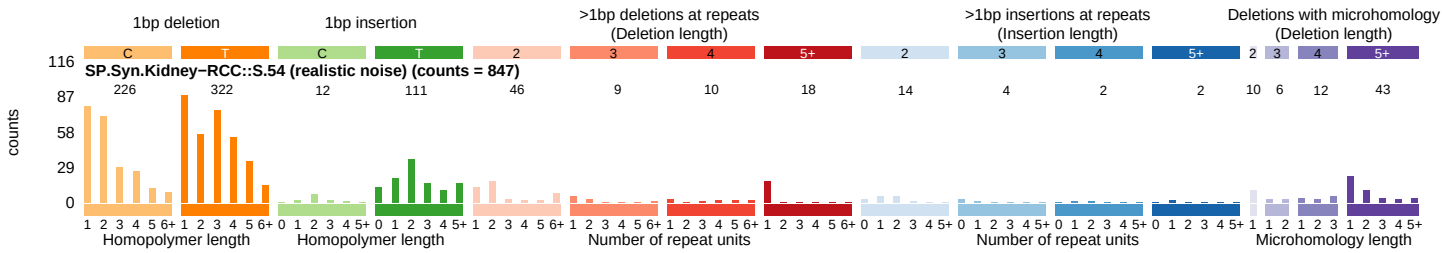
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.53 (realistic noise) (counts = 855)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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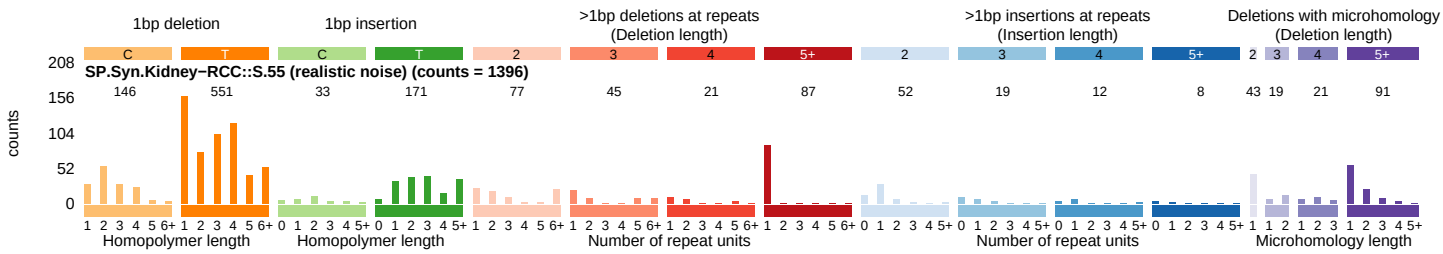
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.54 (realistic noise) (counts = 847)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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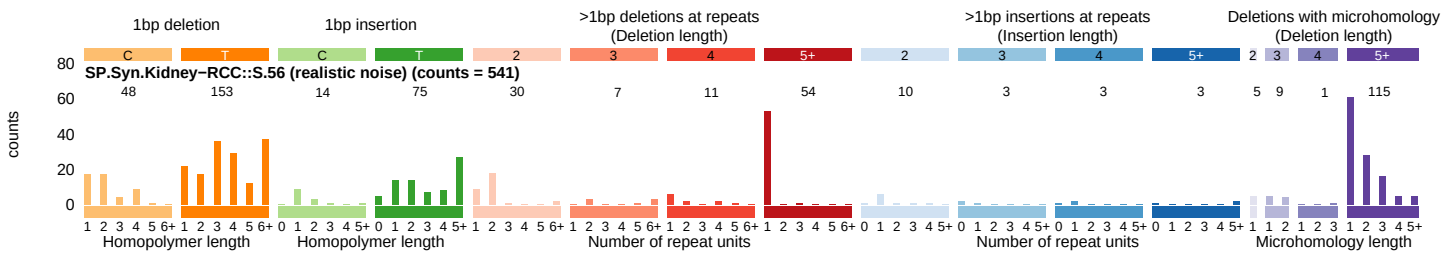
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.55 (realistic noise) (counts = 1396)
counts
Homopolymer length
Number of repeat units
Microhomology length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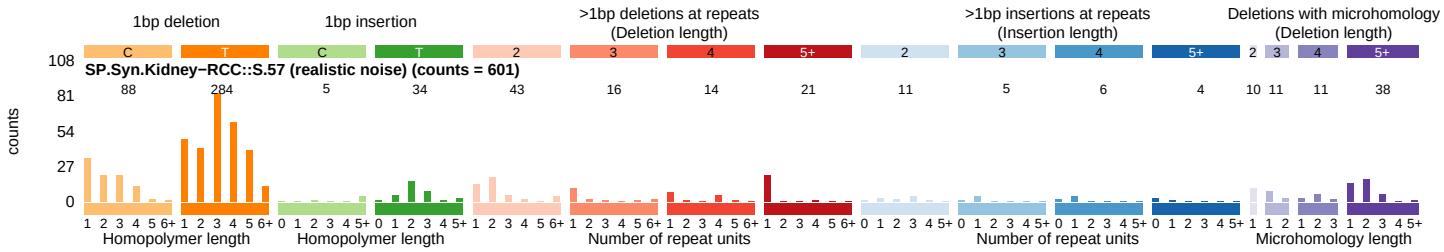
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.56 (realistic noise) (counts = 541)
counts
Homopolymer length
Number of repeat units
Microhomology length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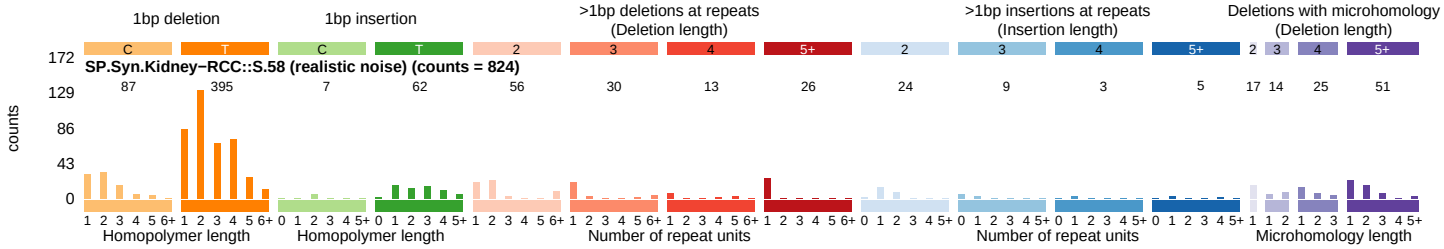
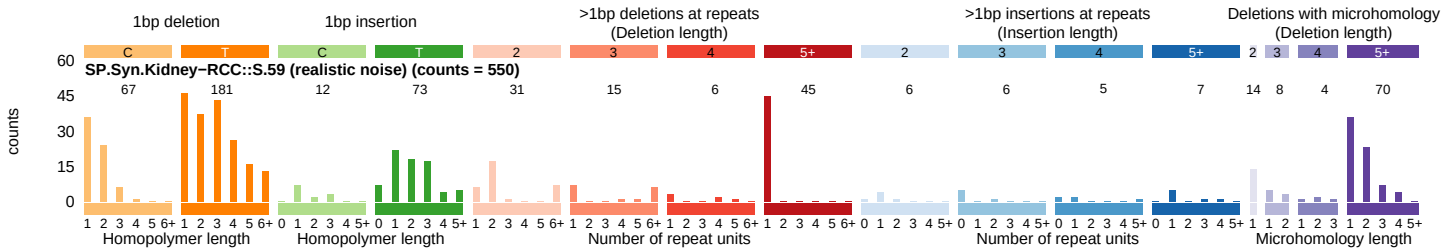
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.57 (realistic noise) (counts = 601)
88 284 5 34 43 16 14 21 11 5 6 4 10 11 11 38
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.58 (realistic noise) (counts = 824)
87 395 7 62 56 30 13 26 24 9 3 5 17 14 25 51
counts
Homopolymer length
Number of repeat units
Microhomology length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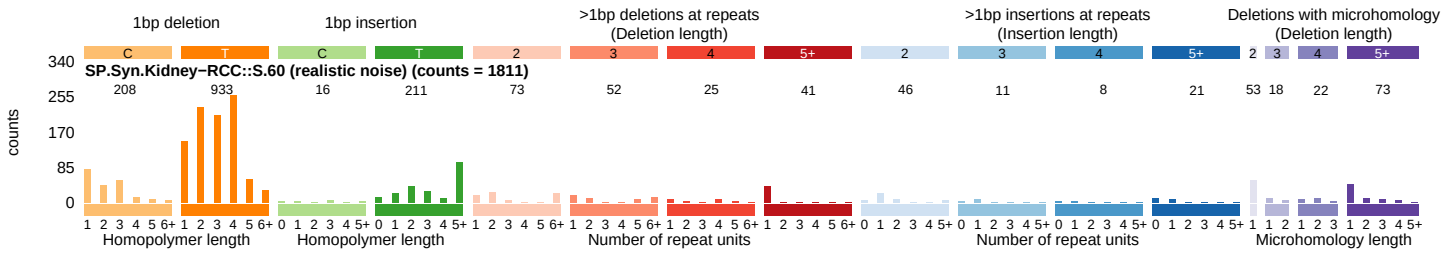
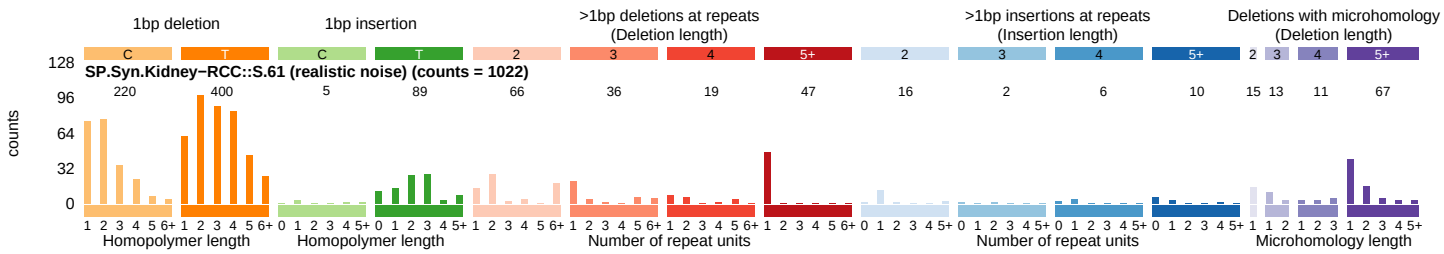
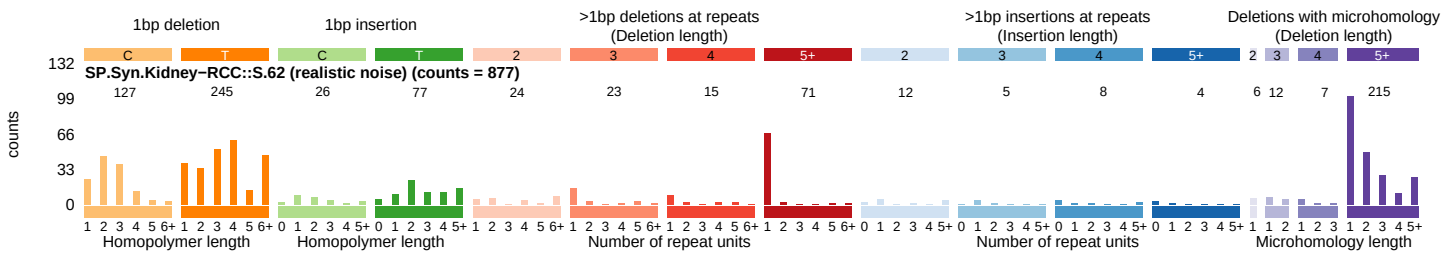
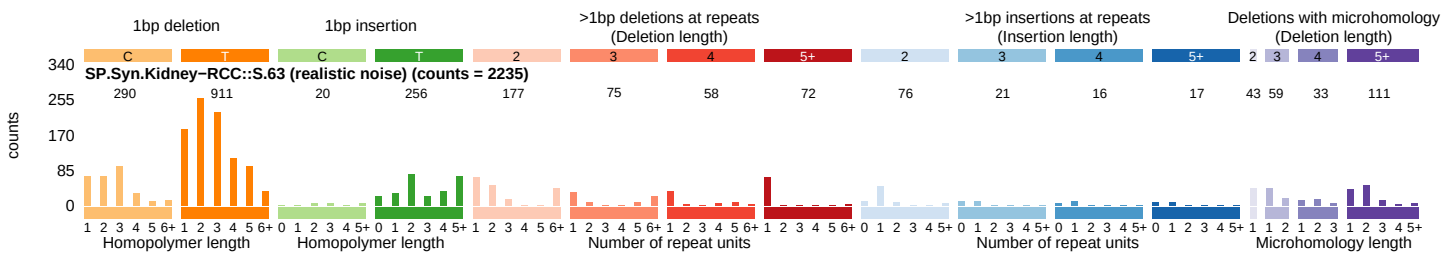
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.59 (realistic noise) (counts = 550)
67 181 12 73 31 15 6 45 6 6 5 7 14 8 4 70
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.60 (realistic noise) (counts = 1811)
208 933 16 211 73 52 25 41 46 11 8 21 53 18 22 73
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.61 (realistic noise) (counts = 1022)
220 400 5 89 66 36 19 47 16 2 6 10 15 13 11 67
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.62 (realistic noise) (counts = 877)
127 245 26 77 24 23 15 71 12 5 8 4 6 12 7 215
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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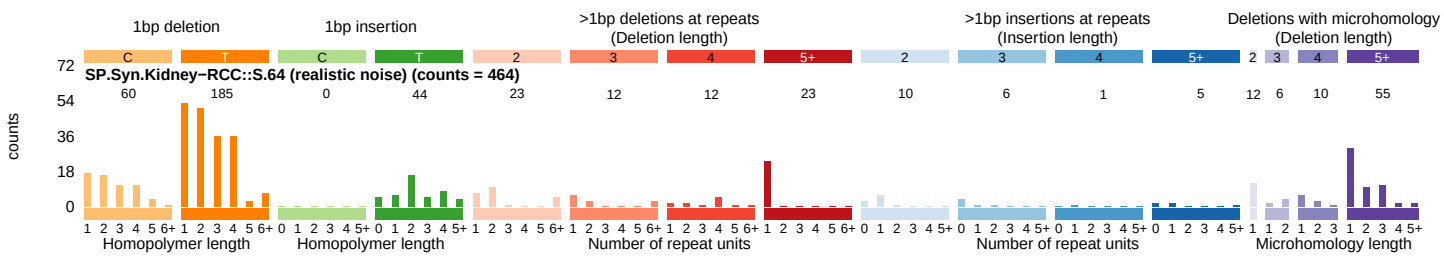
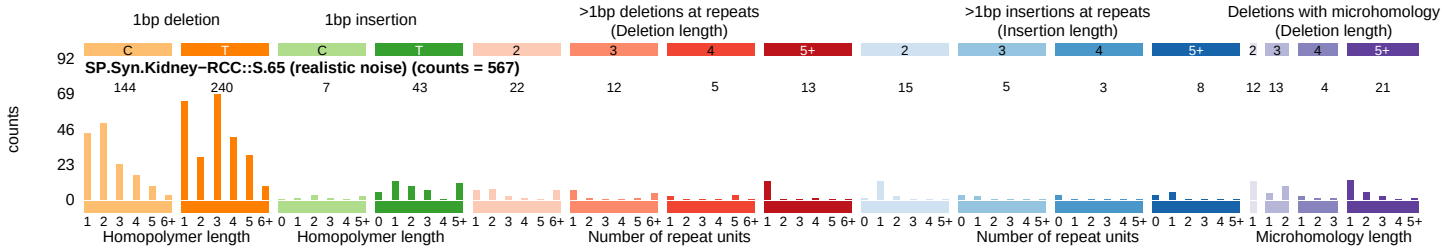
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.63 (realistic noise) (counts = 2235)
290 911 20 256 177 75 58 72 76 21 16 17 43 59 33 111
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.64 (realistic noise) (counts = 464)
60 185 0 44 23 12 12 23 10 6 1 5 12 6 10 55
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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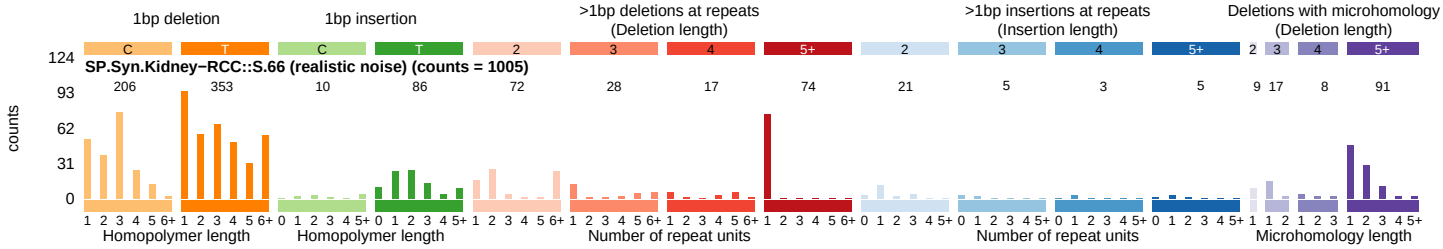
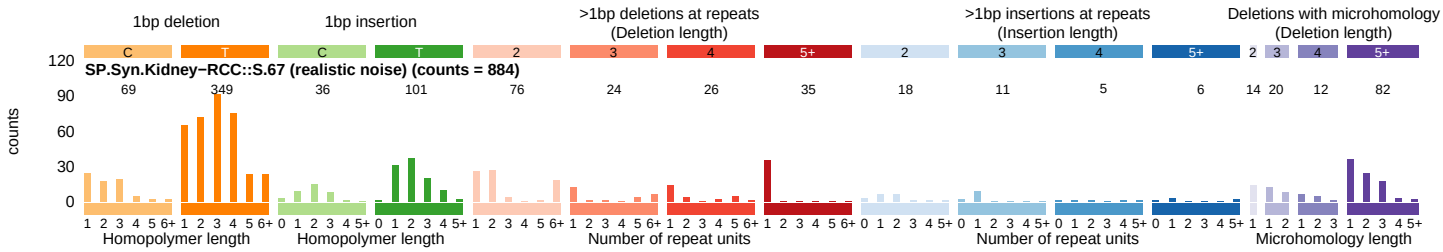
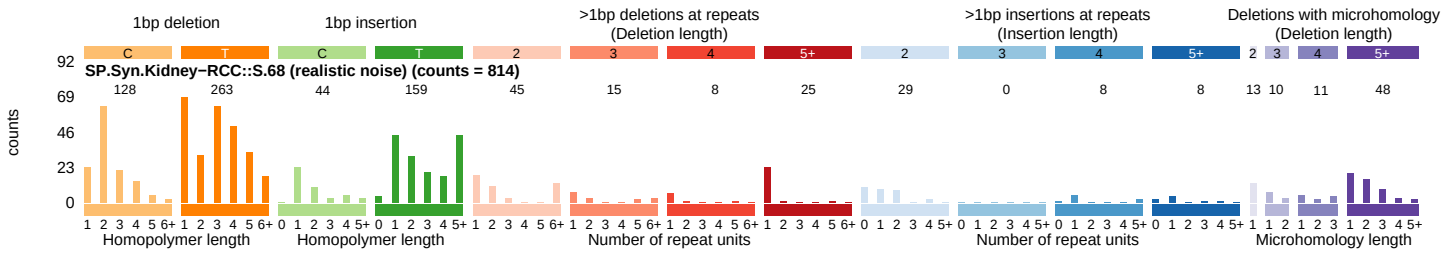
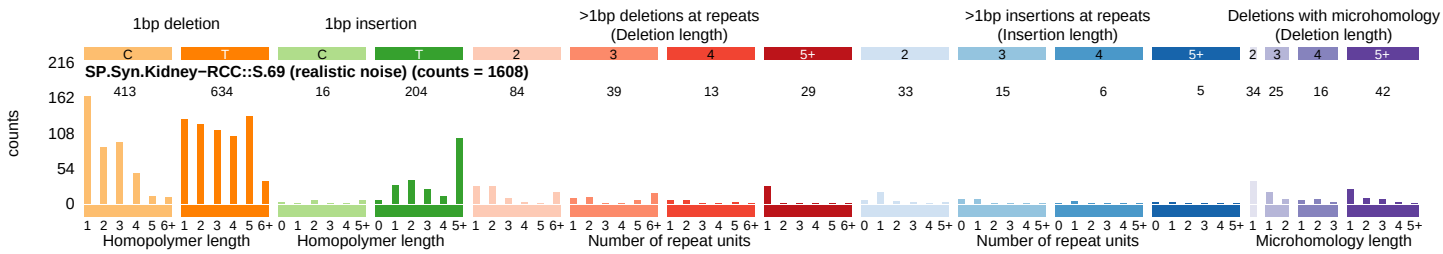
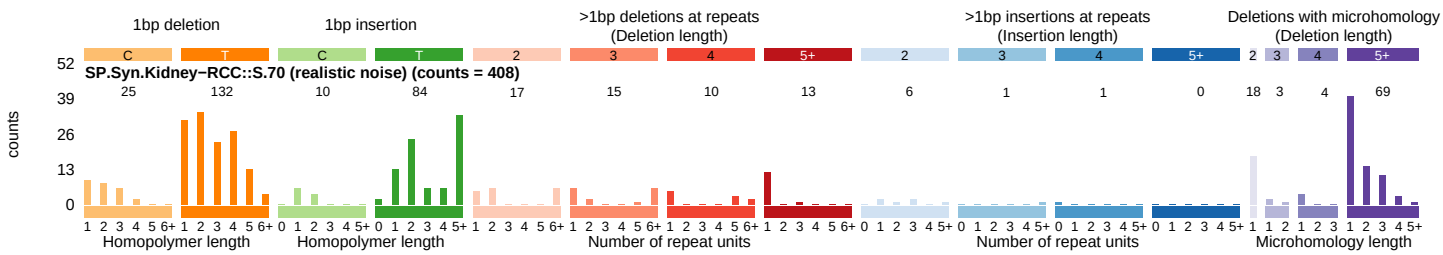
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.65 (realistic noise) (counts = 567)
144 240 7 43 22 12 5 13 15 5 3 8 12 13 4 21
counts
Homopolymer length
Number of repeat units
Microhomology length

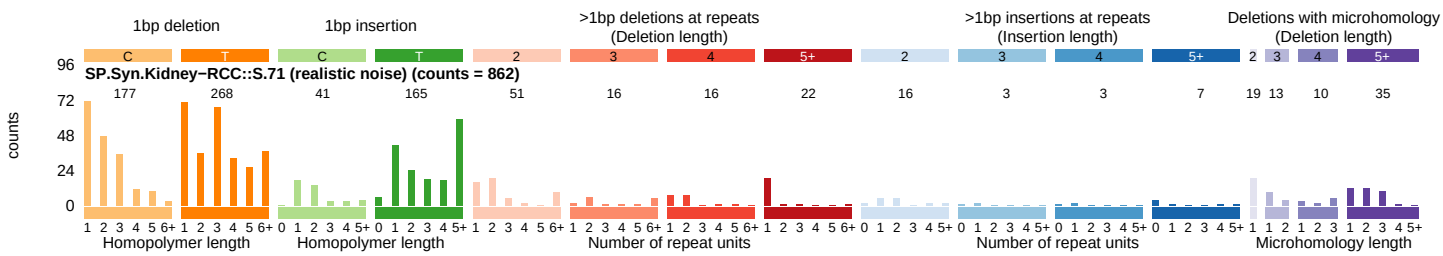

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.66 (realistic noise) (counts = 1005)
206 353 10 86 72 28 17 74 21 5 3 5 9 17 8 91
counts
Homopolymer length
Number of repeat units
Microhomology length

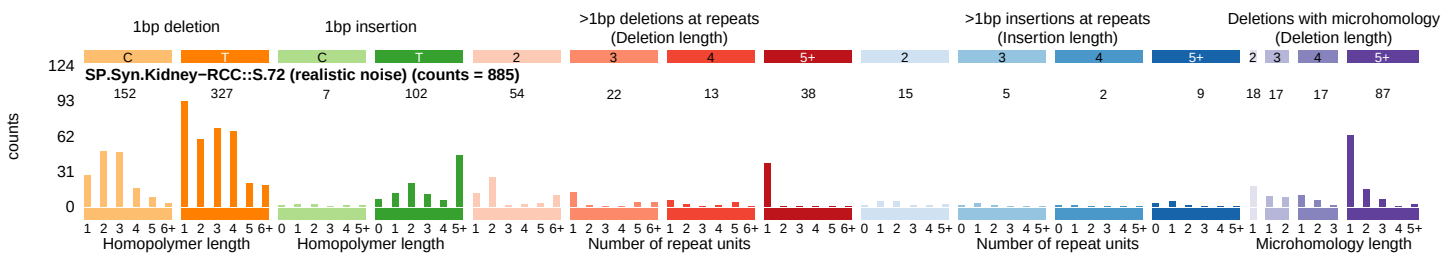

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.67 (realistic noise) (counts = 884)
69 349 36 101 76 24 26 35 18 11 5 6 14 20 12 82
counts
Homopolymer length
Number of repeat units
Microhomology length

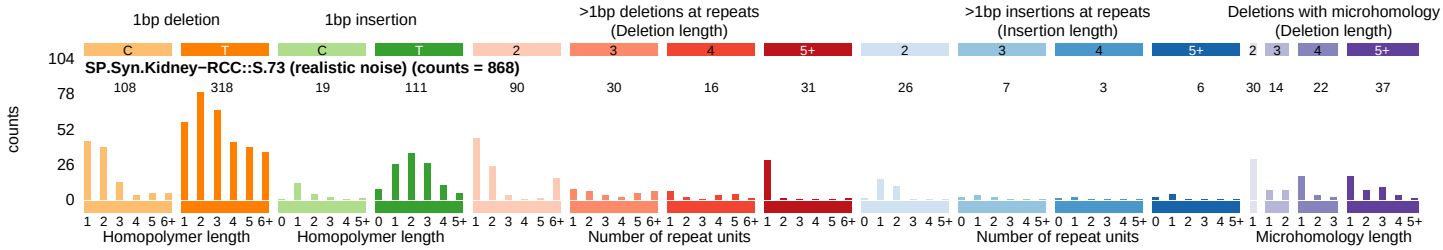

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.68 (realistic noise) (counts = 814)
128 263 44 159 45 15 8 25 29 0 8 8 13 10 11 48
counts
Homopolymer length
Number of repeat units
Microhomology length

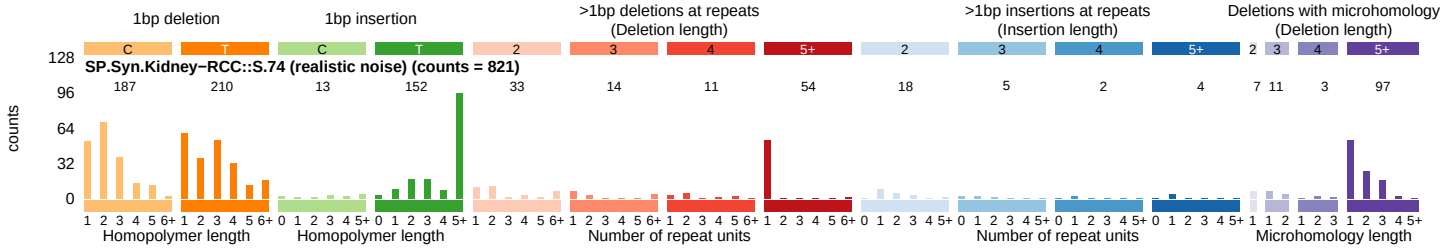

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.69 (realistic noise) (counts = 1608)
413 634 16 204 84 39 13 29 33 15 6 5 34 25 16 42
counts
Homopolymer length
Number of repeat units
Microhomology length

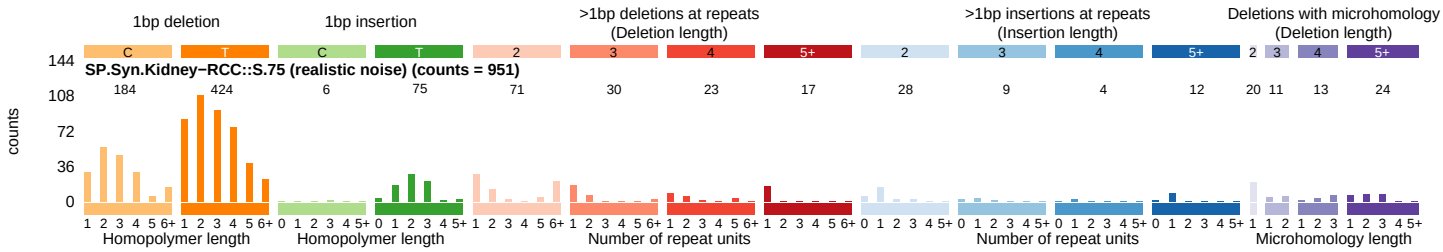

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.70 (realistic noise) (counts = 408)
25 132 10 84 17 15 10 13 6 1 1 0 18 3 4 69
counts
Homopolymer length
Number of repeat units
Microhomology length

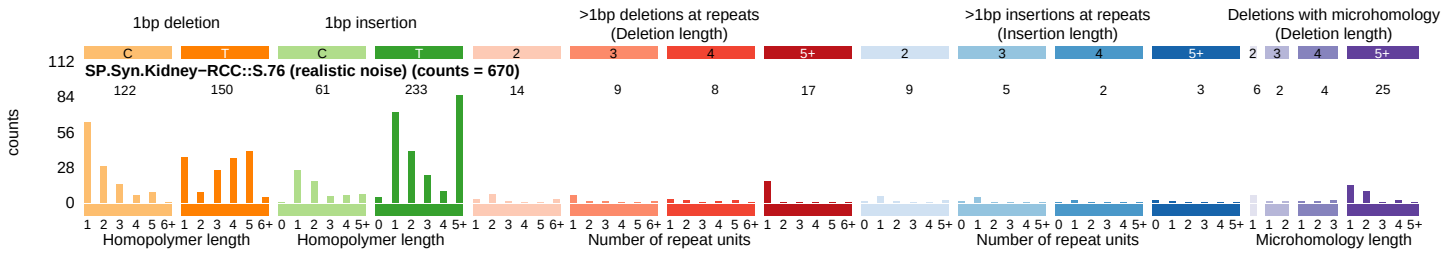

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.71 (realistic noise) (counts = 862)
177 268 41 165 51 16 16 22 16 3 3 7 19 13 10 35
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.72 (realistic noise) (counts = 885)
152 327 7 102 54 22 13 38 15 5 2 9 18 17 17 87
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.73 (realistic noise) (counts = 868)
108 318 19 111 90 30 16 31 26 7 3 6 30 14 22 37
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.74 (realistic noise) (counts = 821)
187 210 13 152 33 14 11 54 18 5 2 4 7 11 3 97
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.75 (realistic noise) (counts = 951)
184 424 6 75 71 30 23 17 28 9 4 12 20 11 13 24
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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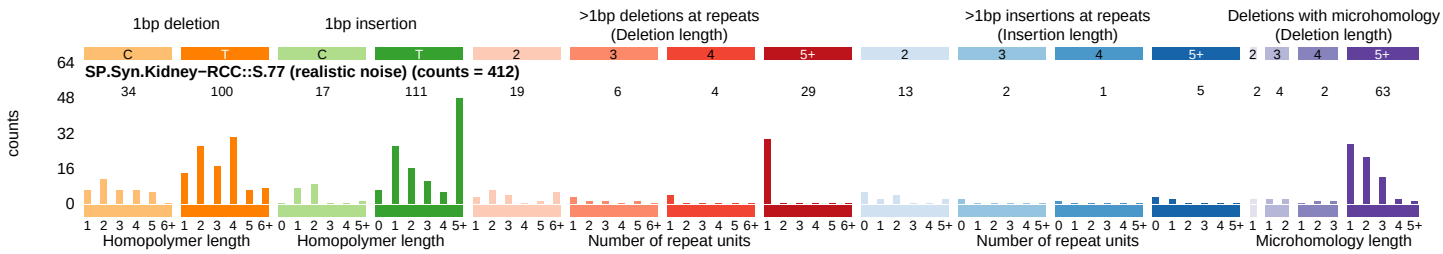
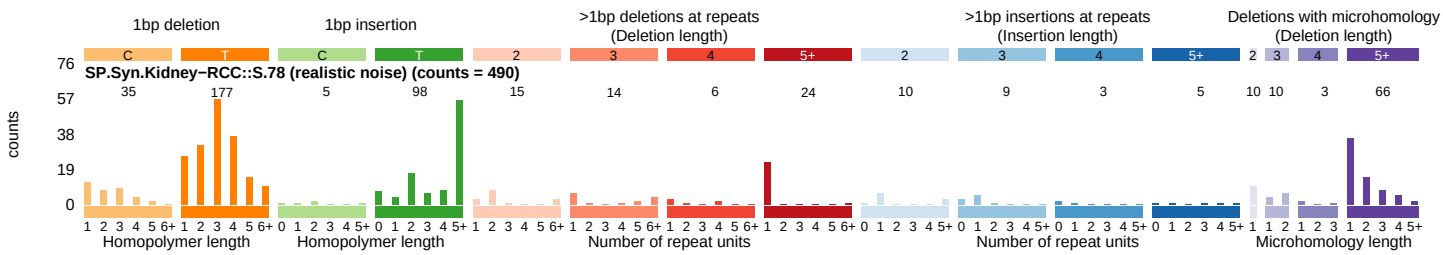
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.76 (realistic noise) (counts = 670)
122 150 61 233 14 9 8 17 9 5 2 3 6 2 4 25
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.77 (realistic noise) (counts = 412)
34 100 17 111 19 6 4 29 13 2 1 5 2 4 2 63
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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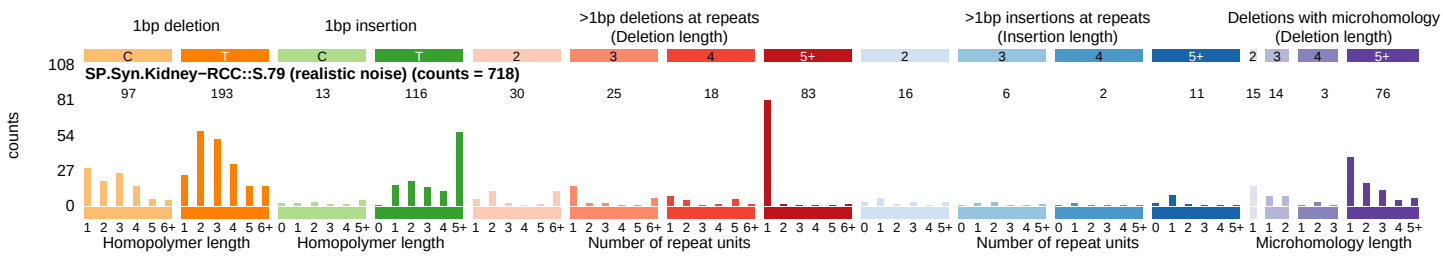
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.78 (realistic noise) (counts = 490)
35 177 5 98 15 14 6 24 10 9 3 5 10 10 3 66
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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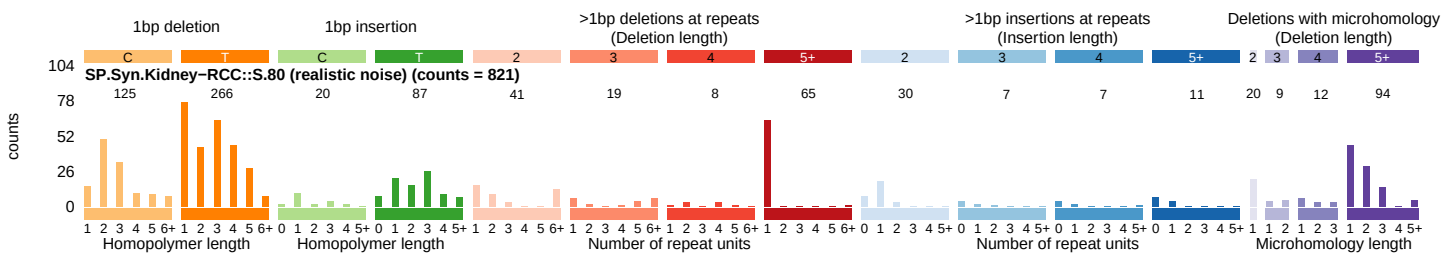
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.79 (realistic noise) (counts = 718)
97 193 13 116 30 25 18 83 16 6 2 11 15 14 3 76
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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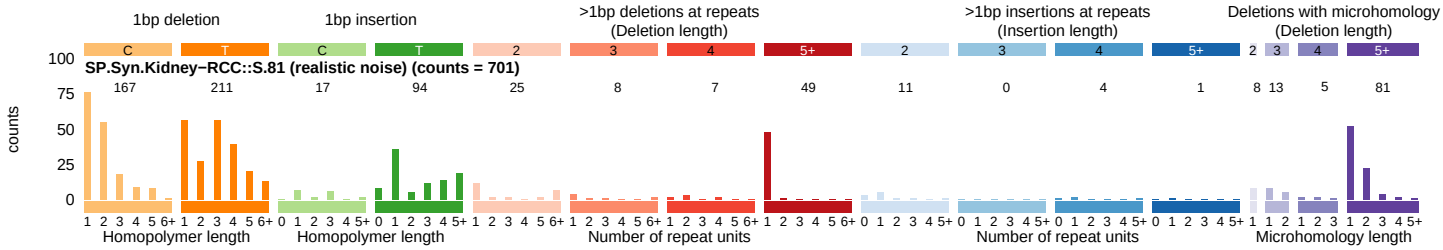
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.80 (realistic noise) (counts = 821)
125 266 20 87 41 19 8 65 30 7 7 11 20 9 12 94
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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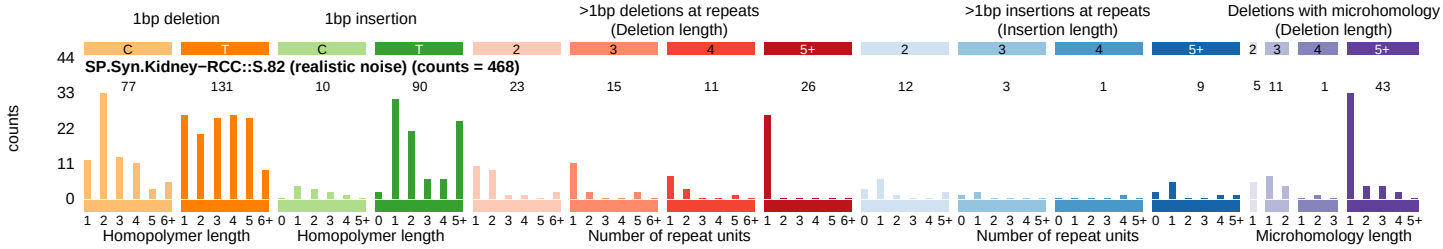
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.81 (realistic noise) (counts = 701)
167 211 17 94 25 8 7 49 11 0 4 1 8 13 5 81
counts
Homopolymer length
Number of repeat units
Microhomology length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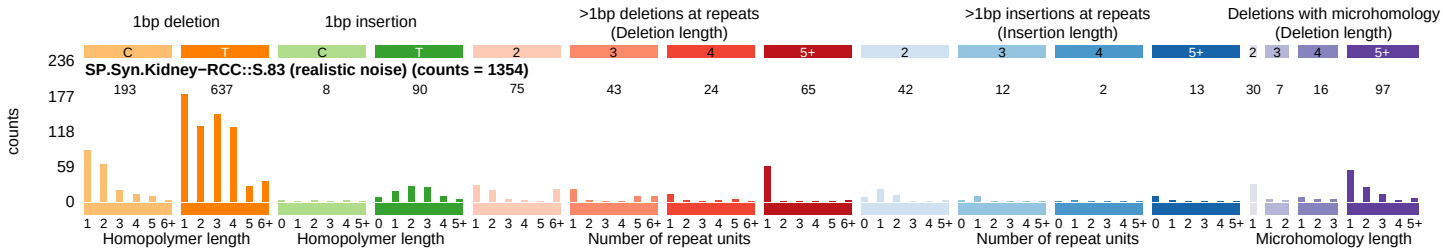
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.82 (realistic noise) (counts = 468)
77 131 10 90 23 15 11 26 12 3 1 9 5 11 1 43
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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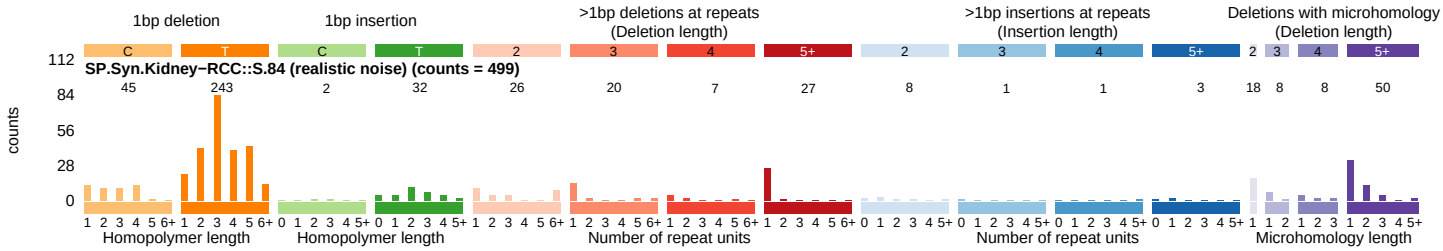
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.83 (realistic noise) (counts = 1354)
193 637 8 90 75 43 24 65 42 12 2 13 30 7 16 97
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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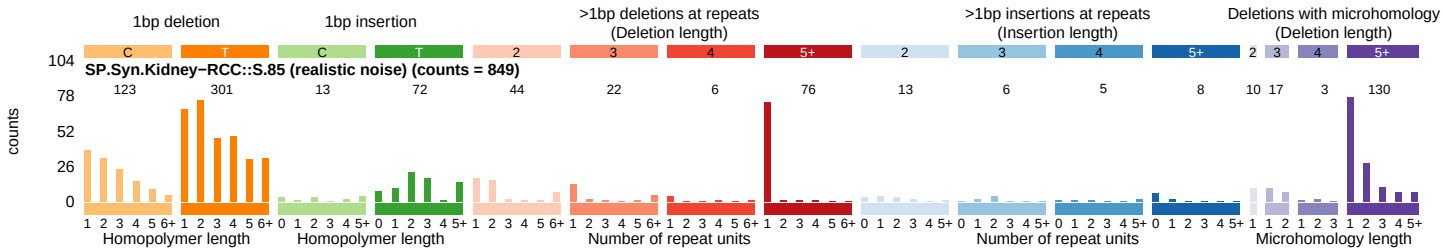
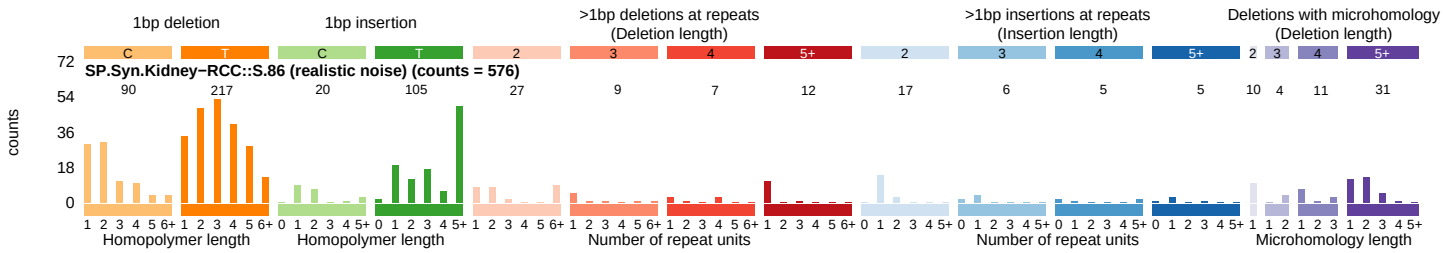
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.84 (realistic noise) (counts = 499)
45 243 2 32 26 20 7 27 8 1 1 3 18 8 8 50
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.85 (realistic noise) (counts = 849)
123 301 13 72 44 22 6 76 13 6 5 8 10 17 3 130
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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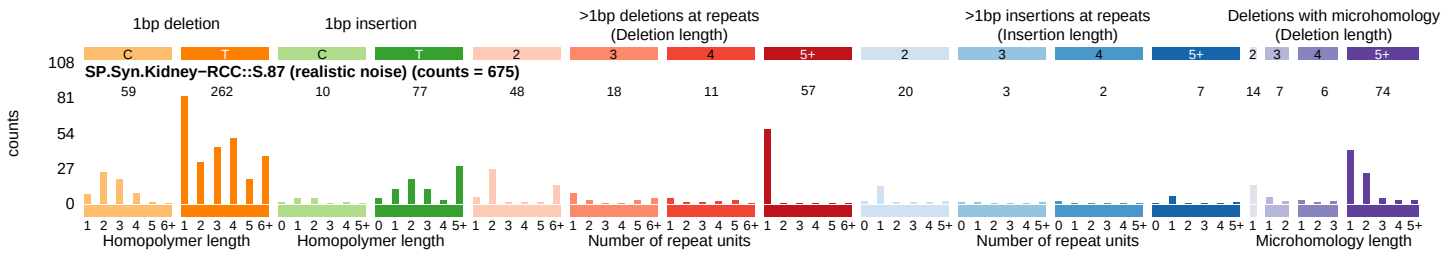
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.86 (realistic noise) (counts = 576)
90 217 20 105 27 9 7 12 17 6 5 5 10 4 11 31
counts
Homopolymer length
Number of repeat units
Microhomology length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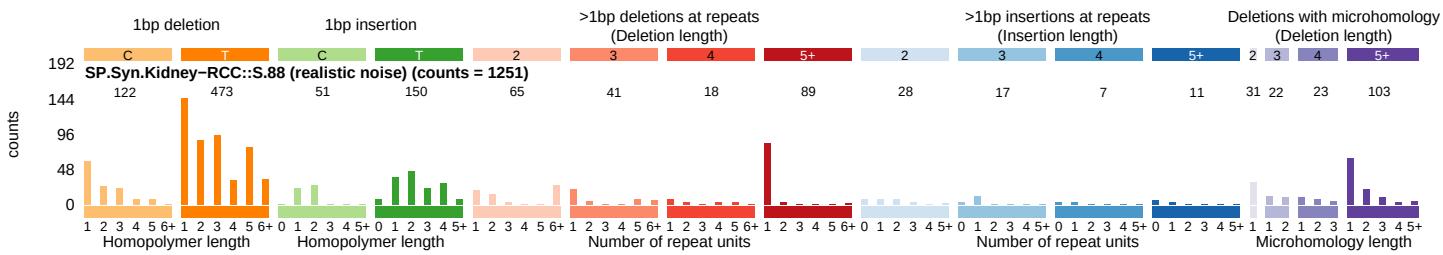
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.87 (realistic noise) (counts = 675)
59 262 10 77 48 18 11 57 20 3 2 7 14 7 6 74
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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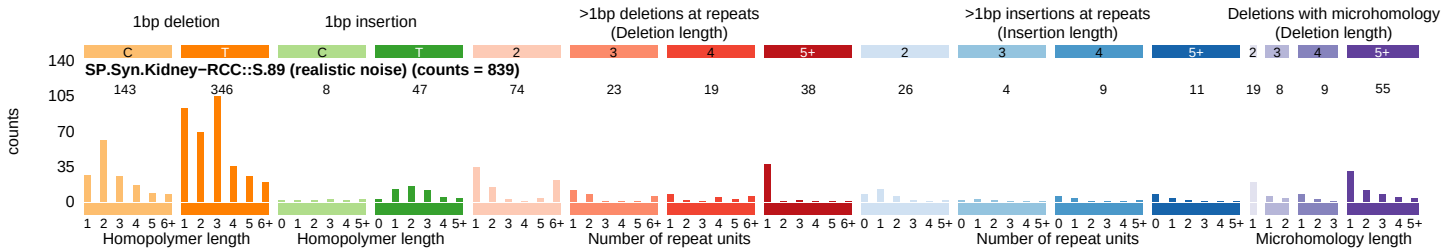
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.88 (realistic noise) (counts = 1251)
122 473 51 150 65 41 18 89 28 17 7 11 31 22 23 103
counts
Homopolymer length
Number of repeat units
Microhomology length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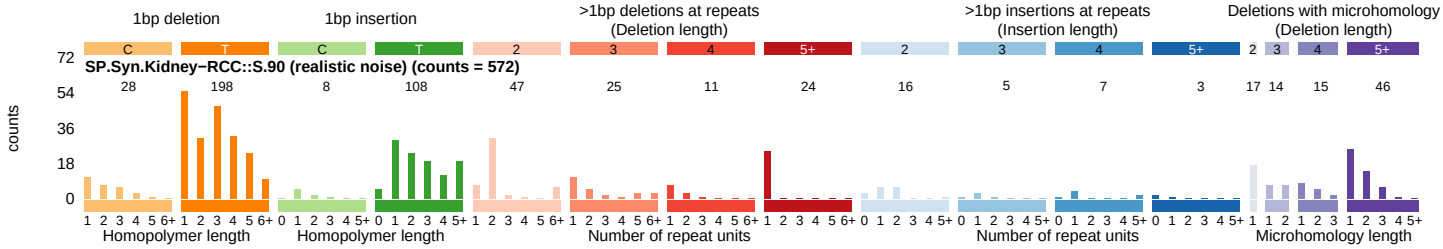
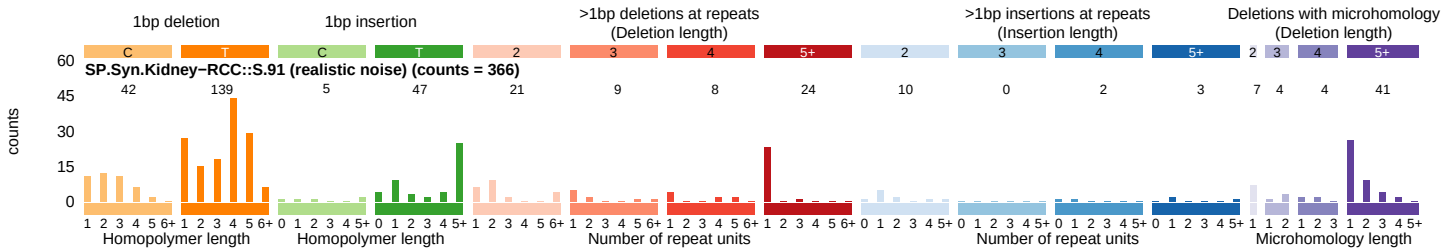
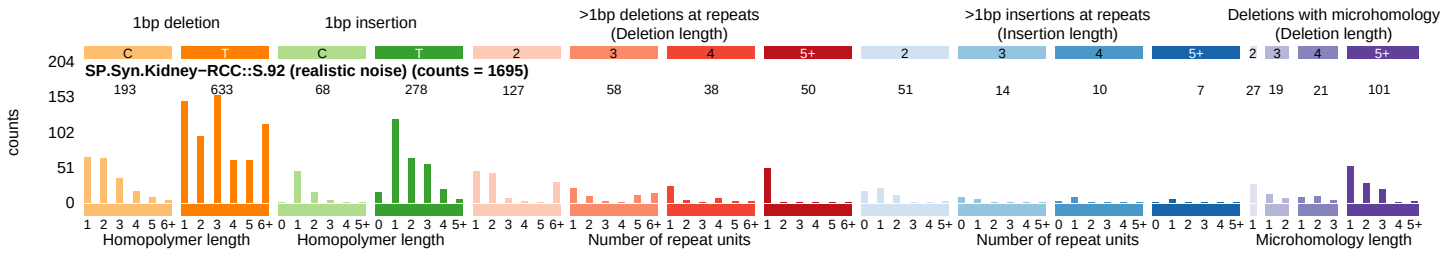
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.89 (realistic noise) (counts = 839)
143 346 8 47 74 23 19 38 26 4 9 11 19 8 9 55
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.90 (realistic noise) (counts = 572)
28 198 8 108 47 25 11 24 16 5 7 3 17 14 15 46
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.91 (realistic noise) (counts = 366)
42 139 5 47 21 9 8 24 10 0 2 3 7 4 4 41
counts
Homopolymer length
Number of repeat units
Microhomology length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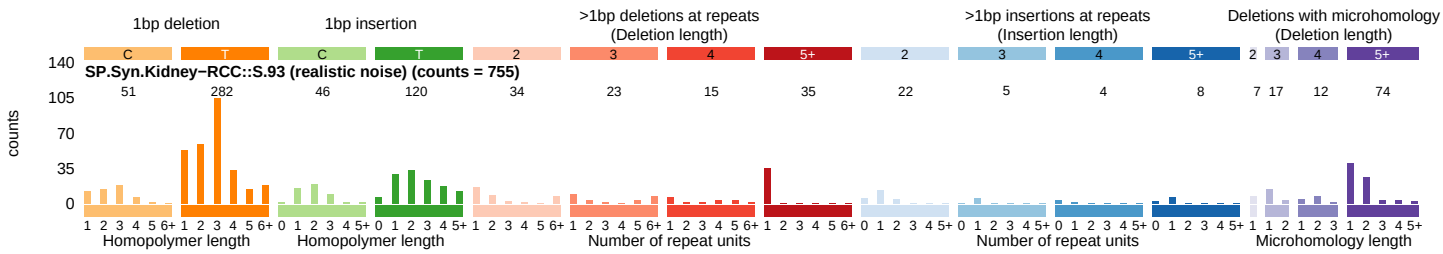
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.92 (realistic noise) (counts = 1695)
193 633 68 278 127 58 38 50 51 14 10 7 27 19 21 101
counts
Homopolymer length
Number of repeat units
Microhomology length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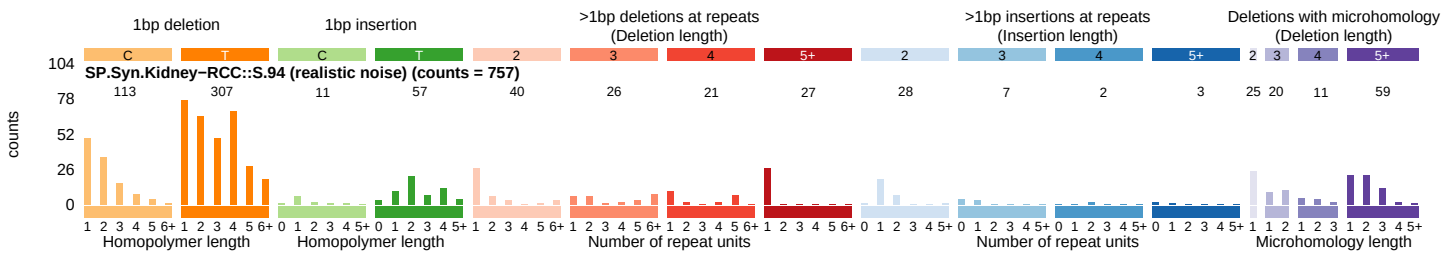
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.93 (realistic noise) (counts = 755)
51 282 46 120 34 23 15 35 22 5 4 8 7 17 12 74
counts
Homopolymer length
Number of repeat units
Microhomology length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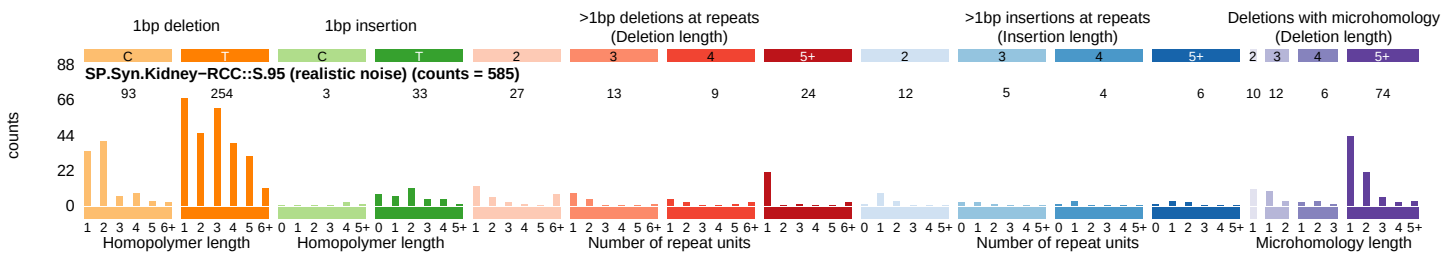
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.94 (realistic noise) (counts = 757)
113 307 11 57 40 26 21 27 28 7 2 3 25 20 11 59
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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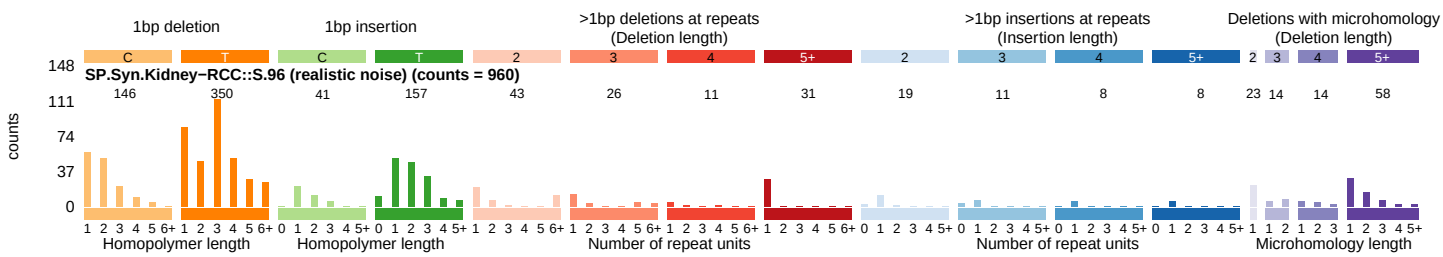
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.95 (realistic noise) (counts = 585)
93 254 3 33 27 13 9 24 12 5 4 6 10 12 6 74
counts
Homopolymer length
Number of repeat units
Microhomology length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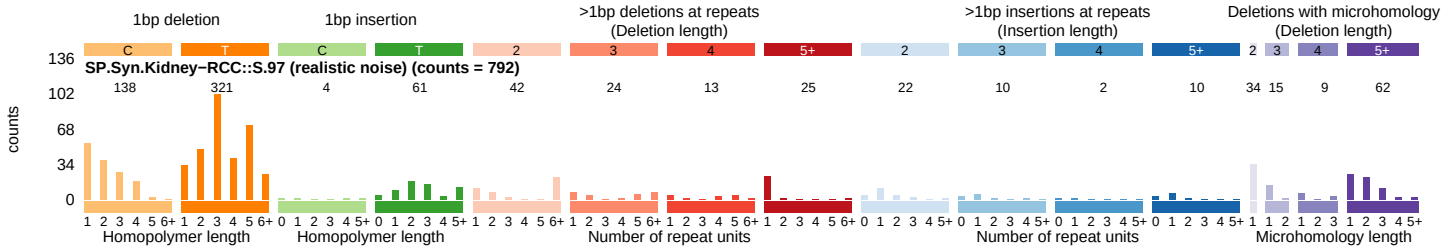
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.96 (realistic noise) (counts = 960)
146 350 41 157 43 26 11 31 19 11 8 8 23 14 14 58
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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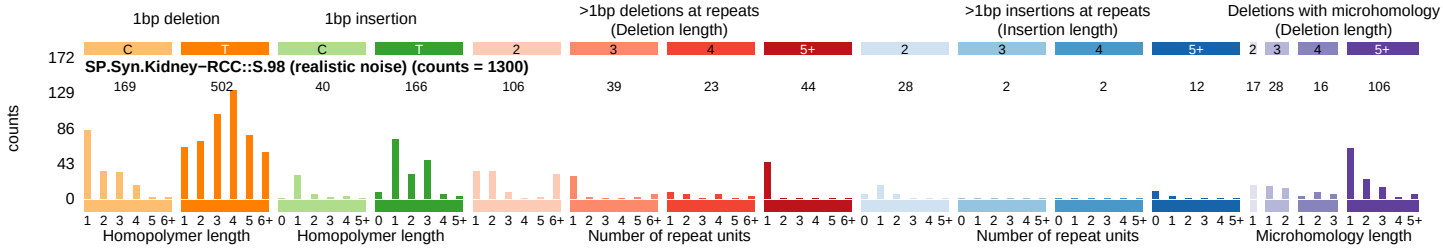
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.97 (realistic noise) (counts = 792)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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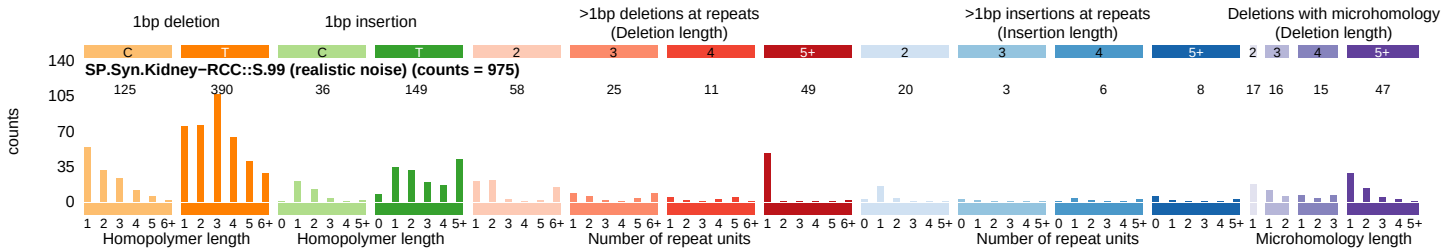
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.98 (realistic noise) (counts = 1300)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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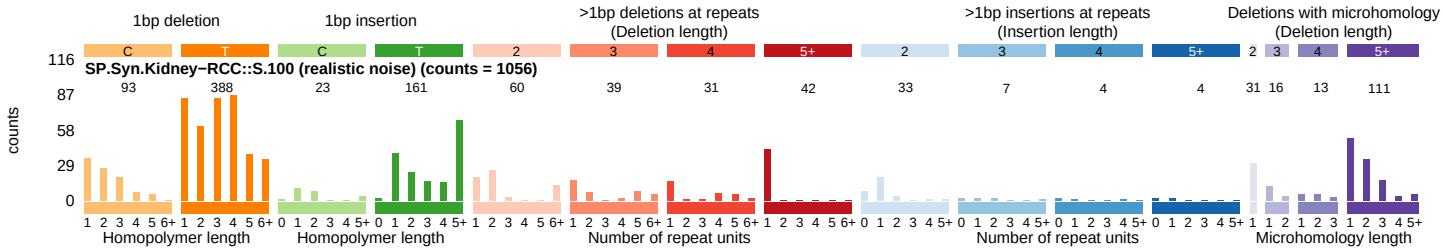
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.99 (realistic noise) (counts = 975)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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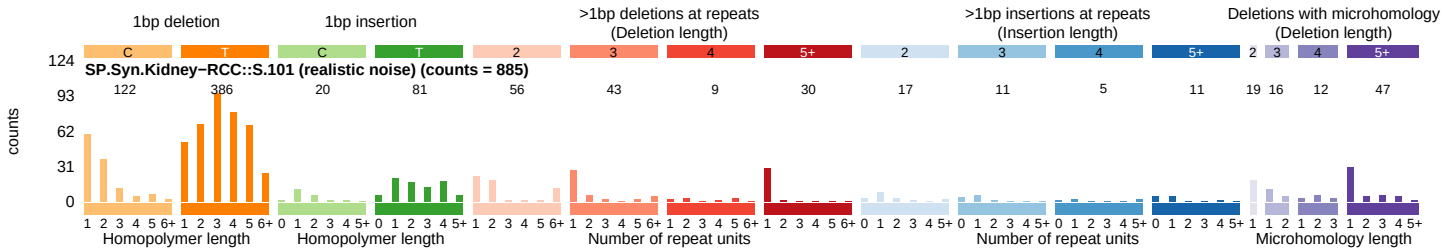
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.100 (realistic noise) (counts = 1056)
counts
Homopolymer length
Number of repeat units
Microhomology length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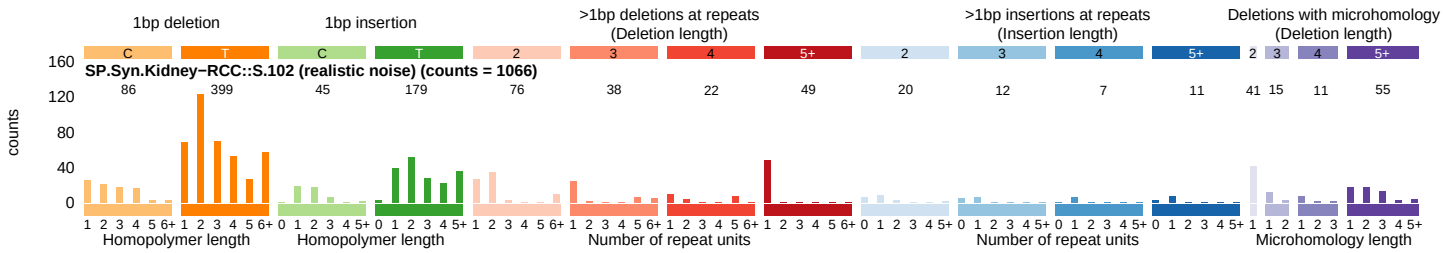
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.101 (realistic noise) (counts = 885)
counts
Homopolymer length
Number of repeat units
Microhomology length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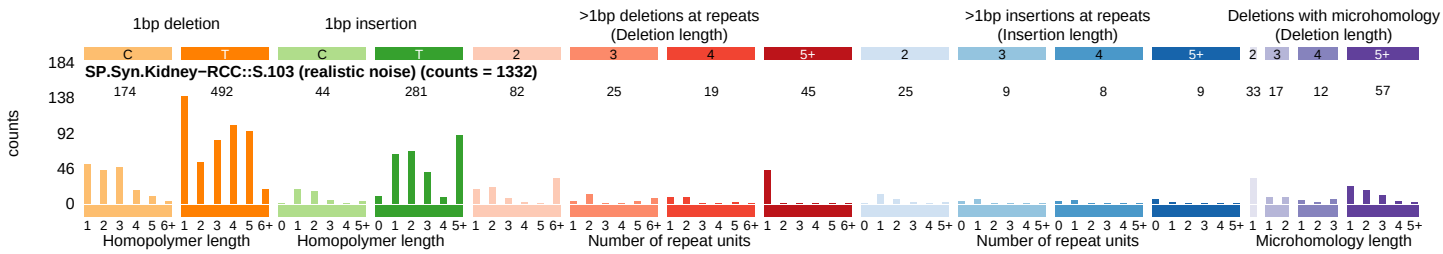
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.102 (realistic noise) (counts = 1066)
counts
Homopolymer length
Number of repeat units
Microhomology length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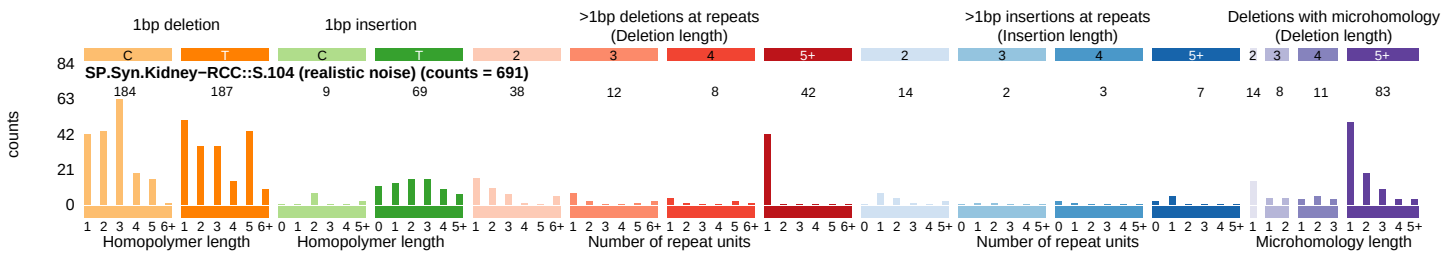
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.103 (realistic noise) (counts = 1332)
counts
Homopolymer length
Number of repeat units
Microhomology length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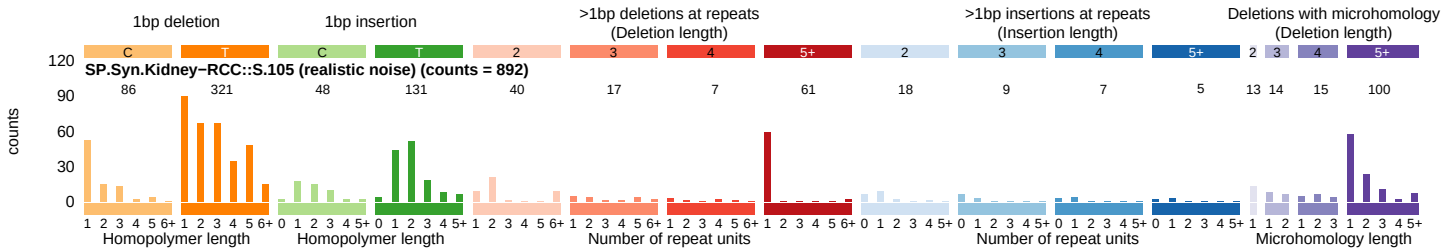
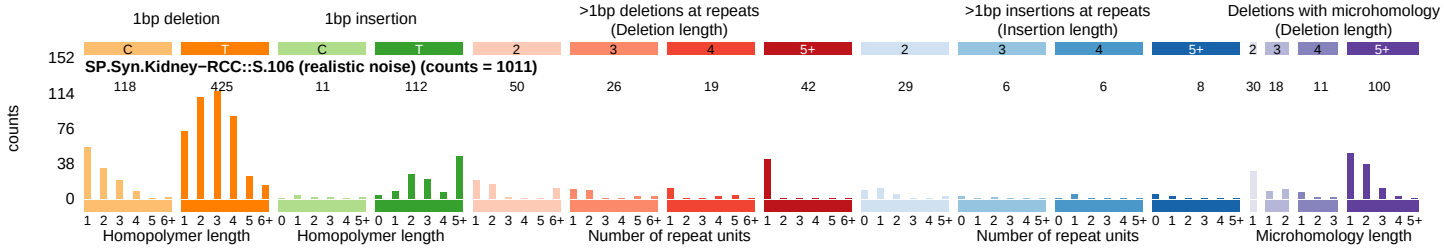
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.104 (realistic noise) (counts = 691)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.105 (realistic noise) (counts = 892)
86 321 48 131 40 17 7 61 18 9 7 5 13 14 15 100
counts
Homopolymer length
Number of repeat units
Microhomology length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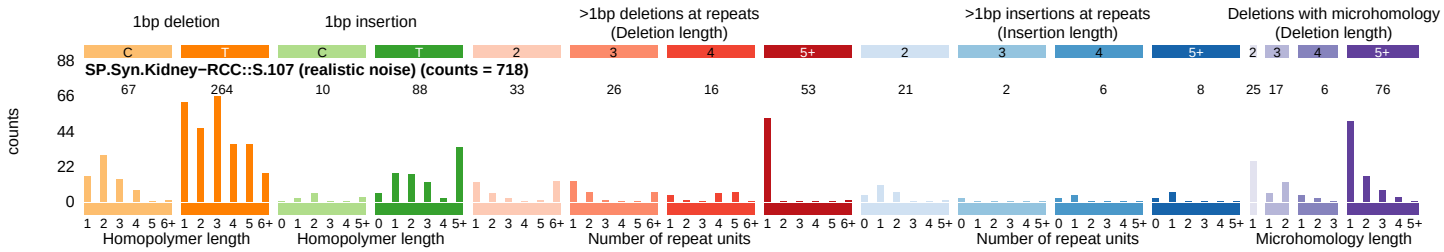
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.106 (realistic noise) (counts = 1011)
118 425 11 112 50 26 19 42 29 6 6 8 30 18 11 100
counts
Homopolymer length
Number of repeat units
Microhomology length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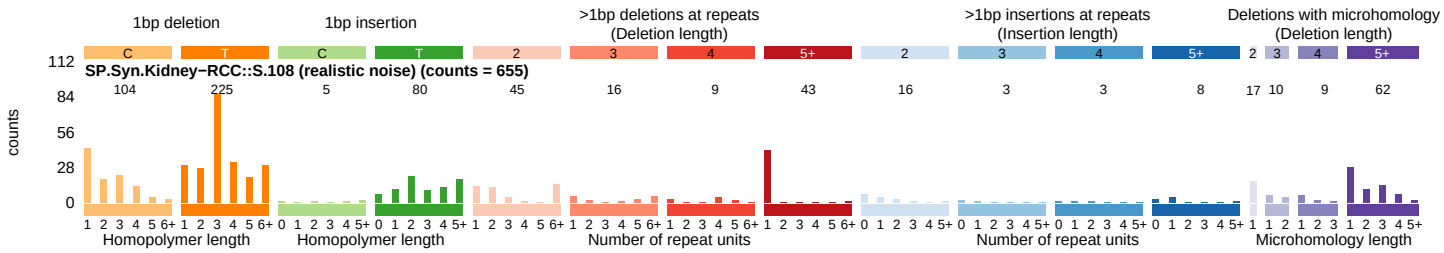
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.107 (realistic noise) (counts = 718)
67 264 10 88 33 26 16 53 21 2 6 8 25 17 6 76
counts
Homopolymer length
Number of repeat units
Microhomology length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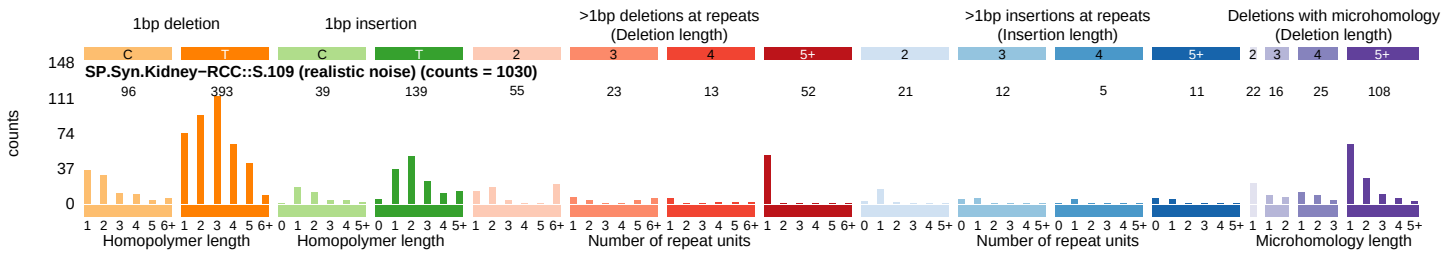
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.108 (realistic noise) (counts = 655)
104 225 5 80 45 16 9 43 16 3 3 8 17 10 9 62
counts
Homopolymer length
Number of repeat units
Microhomology length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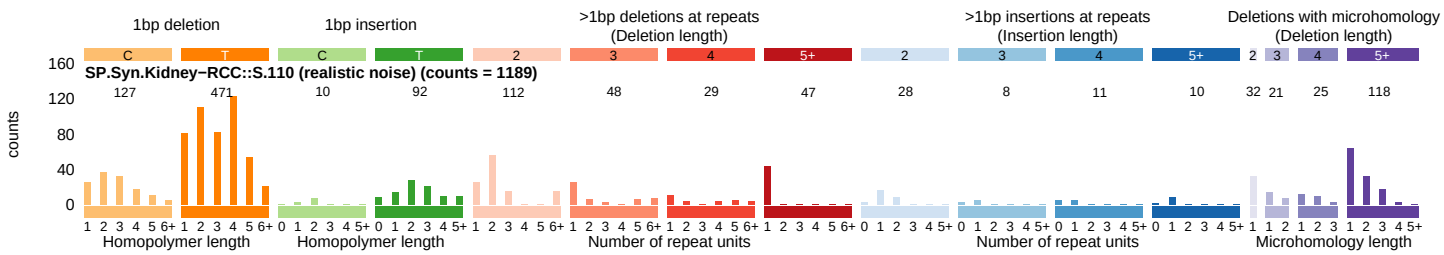
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.109 (realistic noise) (counts = 1030)
96 393 39 139 55 23 13 52 21 12 5 11 22 16 25 108
counts
Homopolymer length
Number of repeat units
Microhomology length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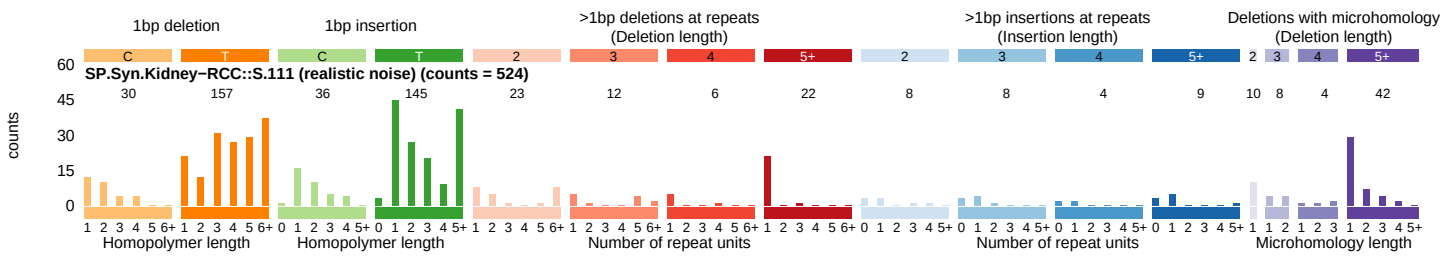
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.110 (realistic noise) (counts = 1189)
127 471 10 92 112 48 29 47 28 8 11 10 32 21 25 118
counts
Homopolymer length
Number of repeat units
Microhomology length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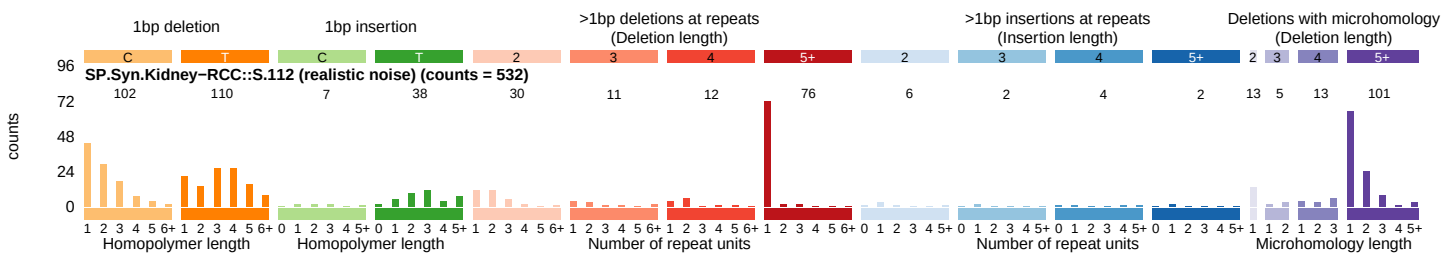
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.111 (realistic noise) (counts = 524)
30 157 36 145 23 12 6 22 8 8 4 9 10 8 4 42
counts
Homopolymer length
Number of repeat units
Microhomology length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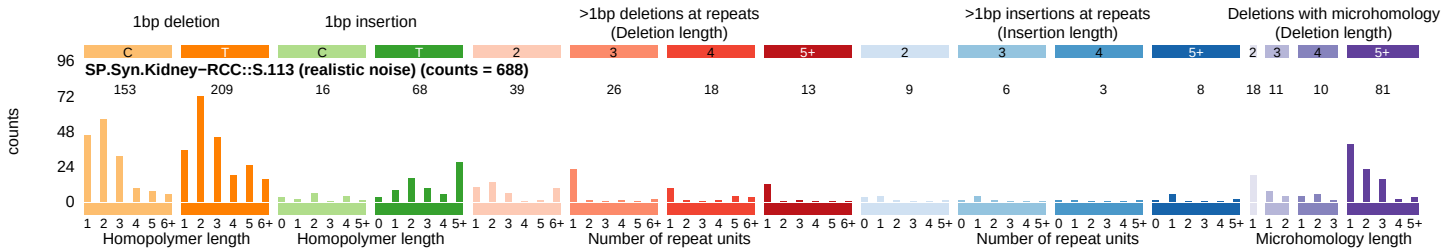
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Kidney−RCC::S.112 (realistic noise) (counts = 532)
102 110 7 38 30 11 12 76 6 2 4 2 13 5 13 101
counts
Homopolymer length
Number of repeat units
Microhomology length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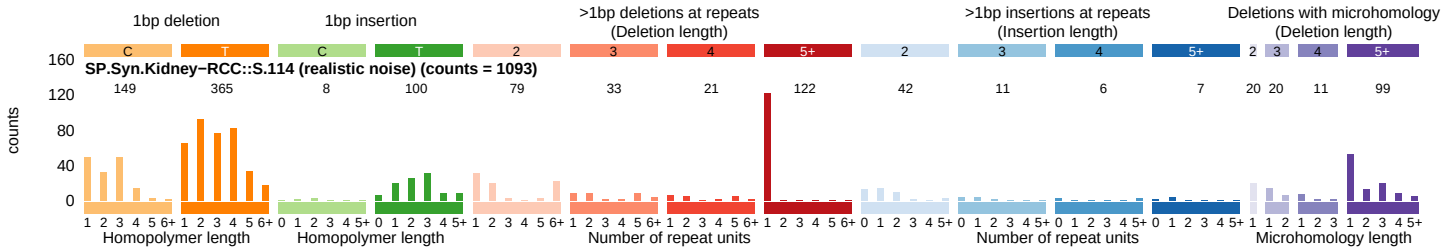
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.113 (realistic noise) (counts = 688)
153 209 16 68 39 26 18 13 9 6 3 8 18 11 10 81
counts
Homopolymer length
Number of repeat units
Microhomology length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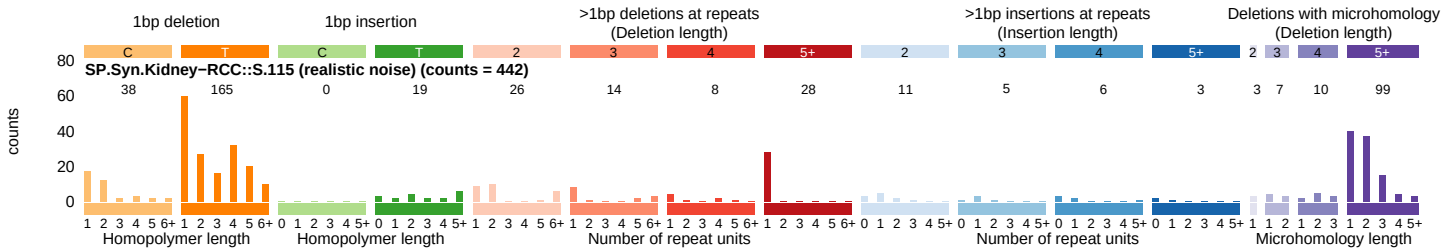
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.114 (realistic noise) (counts = 1093)
149 365 8 100 79 33 21 122 42 11 6 7 20 20 11 99
counts
Homopolymer length
Number of repeat units
Microhomology length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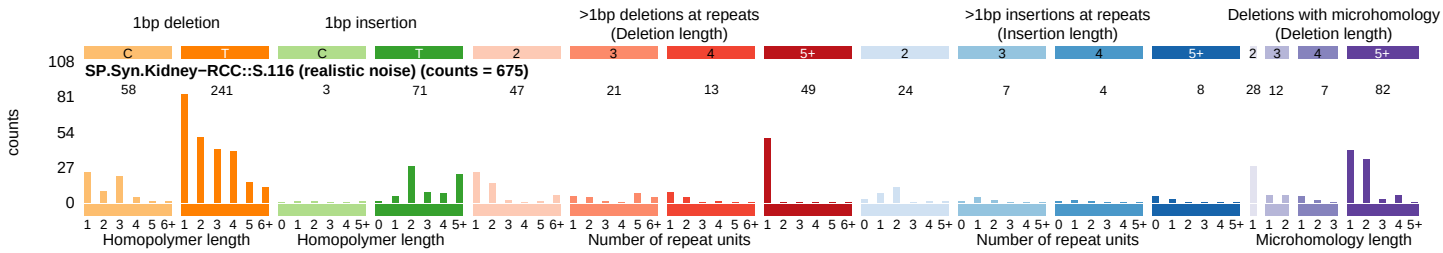
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.115 (realistic noise) (counts = 442)
38 165 0 19 26 14 8 28 11 5 6 3 3 7 10 99
counts
Homopolymer length
Number of repeat units
Microhomology length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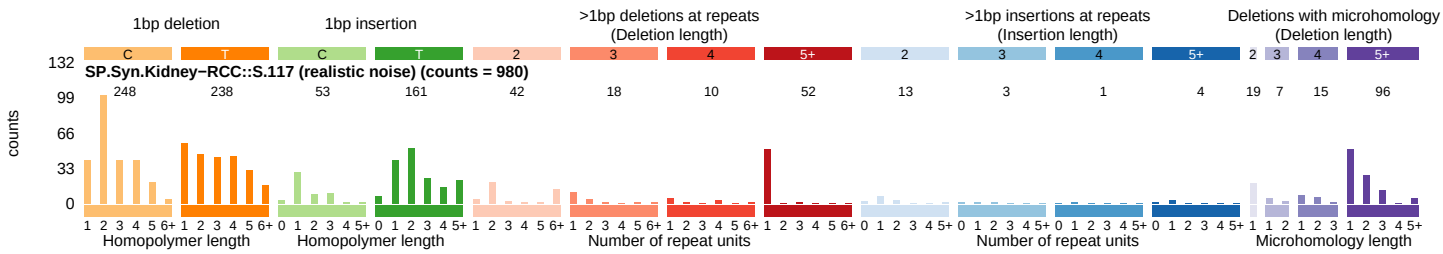
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.116 (realistic noise) (counts = 675)
58 241 3 71 47 21 13 49 24 7 4 8 28 12 7 82
counts
Homopolymer length
Number of repeat units
Microhomology length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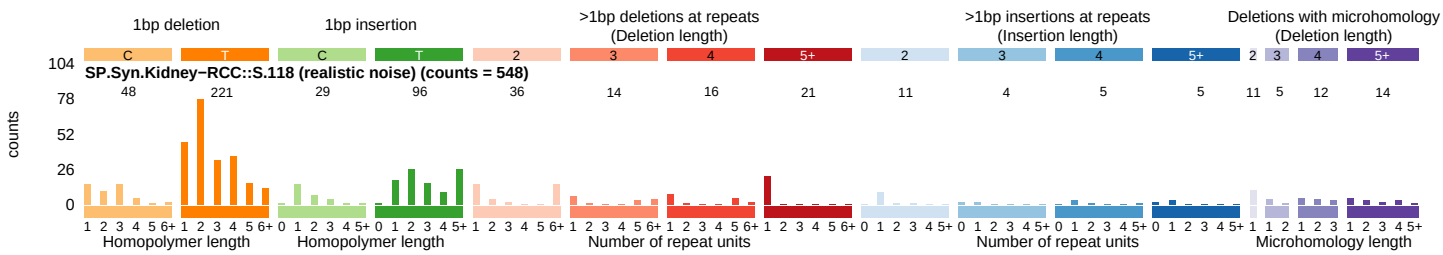
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.117 (realistic noise) (counts = 980)
248 238 53 161 42 18 10 52 13 3 1 4 19 7 15 96
counts
Homopolymer length
Number of repeat units
Microhomology length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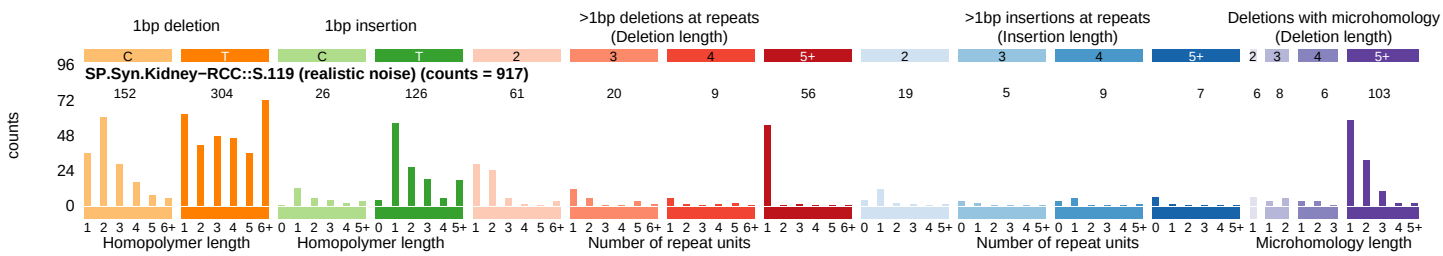
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.118 (realistic noise) (counts = 548)
48 221 29 96 36 14 16 21 11 4 5 5 11 5 12 14
counts
Homopolymer length
Number of repeat units
Microhomology length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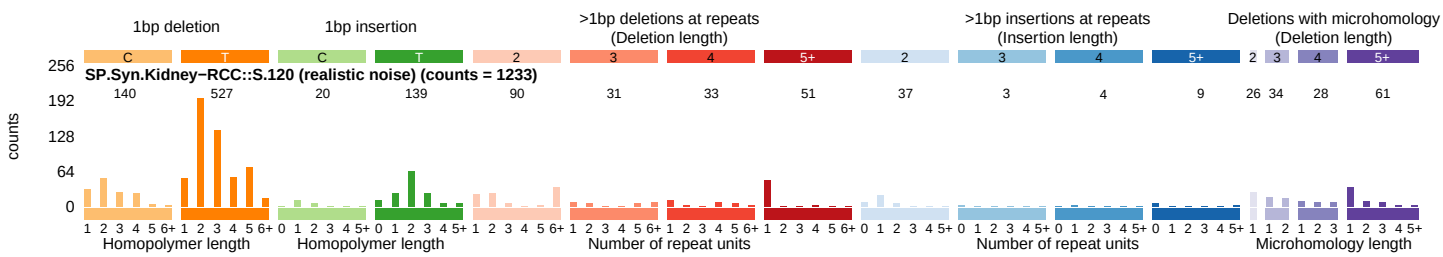
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.119 (realistic noise) (counts = 917)
152 304 26 126 61 20 9 56 19 5 9 7 6 8 6 103
counts
Homopolymer length
Number of repeat units
Microhomology length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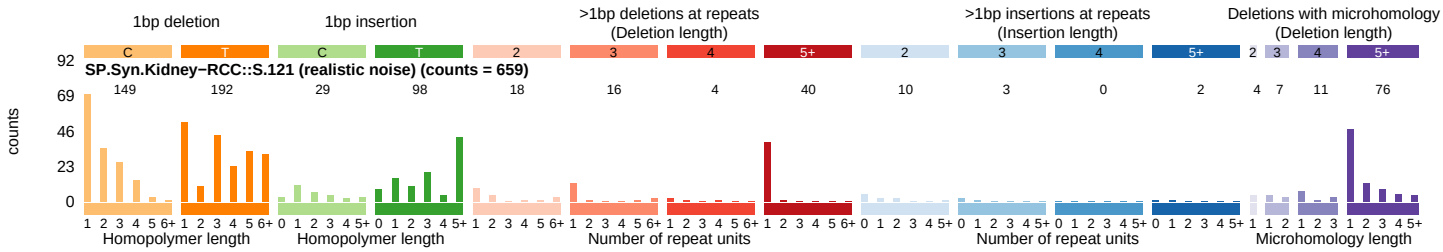
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.120 (realistic noise) (counts = 1233)
140 527 20 139 90 31 33 51 37 3 4 9 26 34 28 61
counts
Homopolymer length
Number of repeat units
Microhomology length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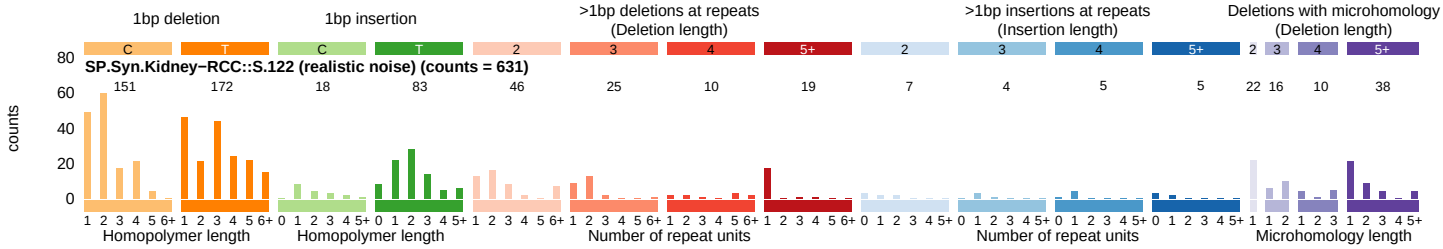
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.121 (realistic noise) (counts = 659)
149 192 29 98 18 16 4 40 10 3 0 2 4 7 11 76
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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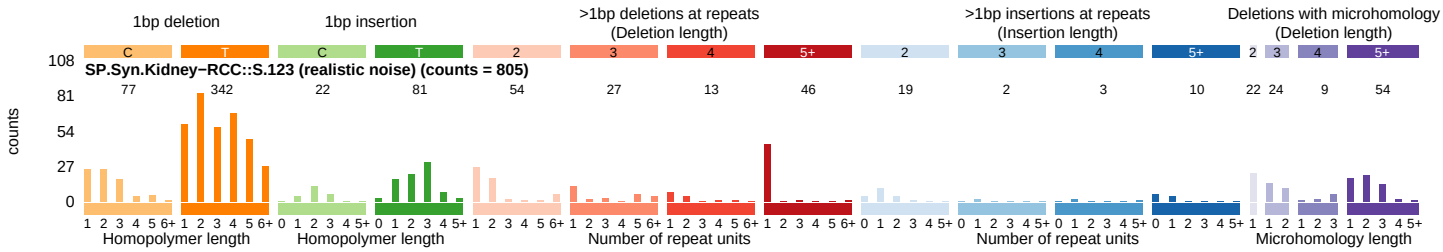
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.122 (realistic noise) (counts = 631)
151 172 18 83 46 25 10 19 7 4 5 5 22 16 10 38
counts
Homopolymer length
Number of repeat units
Microhomology length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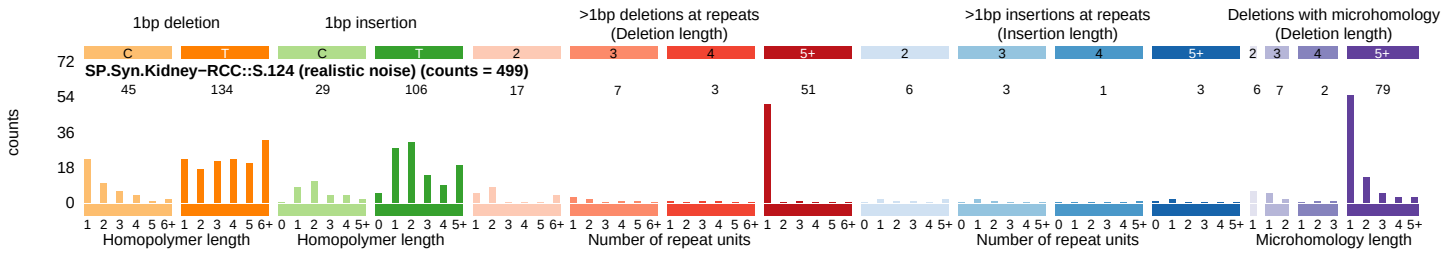
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.123 (realistic noise) (counts = 805)
77 342 22 81 54 27 13 46 19 2 3 10 22 24 9 54
counts
Homopolymer length
Number of repeat units
Microhomology length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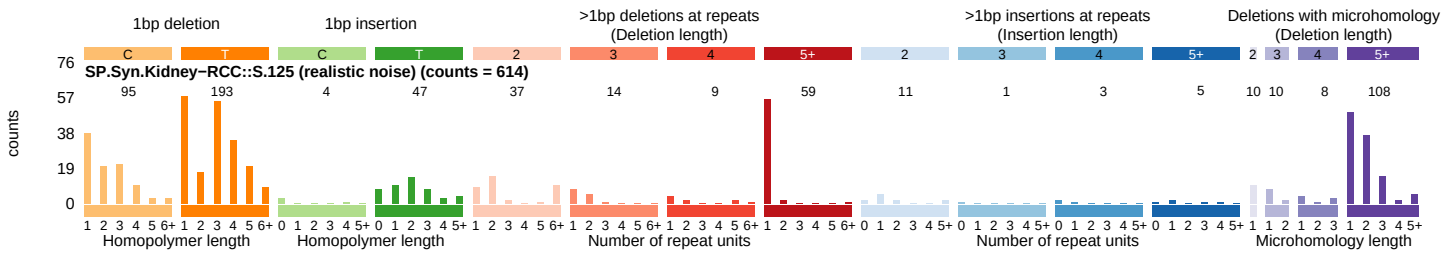
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.124 (realistic noise) (counts = 499)
45 134 29 106 17 7 3 51 6 3 1 3 6 7 2 79
counts
Homopolymer length
Number of repeat units
Microhomology length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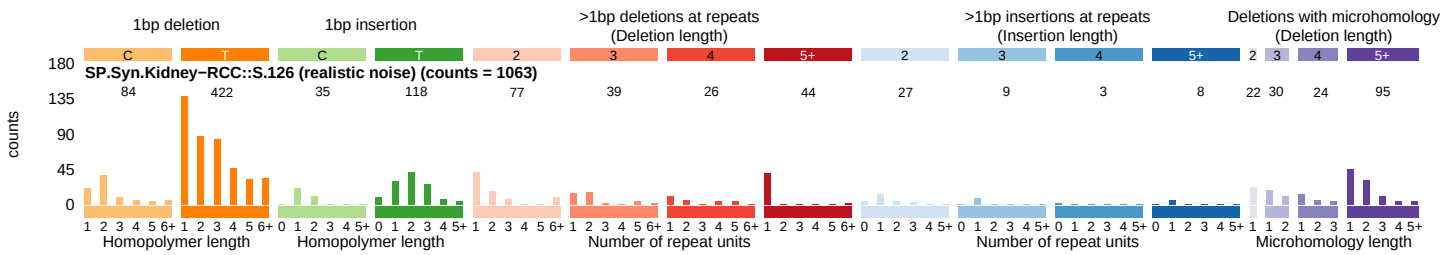
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.125 (realistic noise) (counts = 614)
95 193 4 47 37 14 9 59 11 1 3 5 10 10 8 108
counts
Homopolymer length
Number of repeat units
Microhomology length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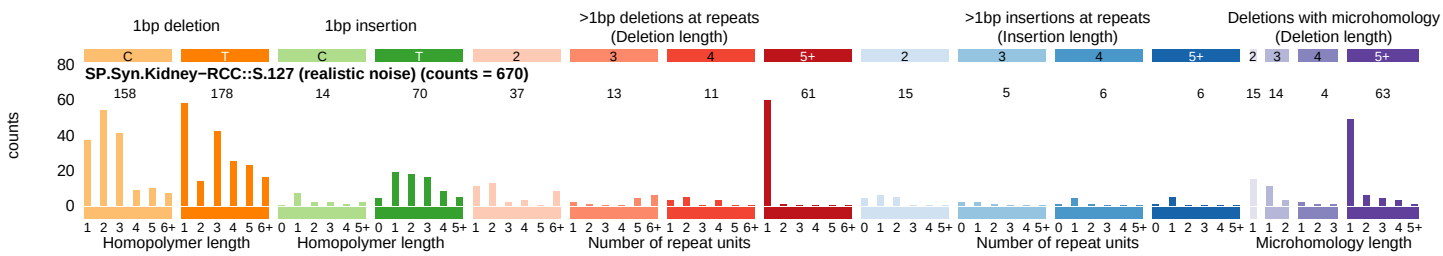
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.126 (realistic noise) (counts = 1063)
84 422 35 118 77 39 26 44 27 9 3 8 22 30 24 95
counts
Homopolymer length
Number of repeat units
Microhomology length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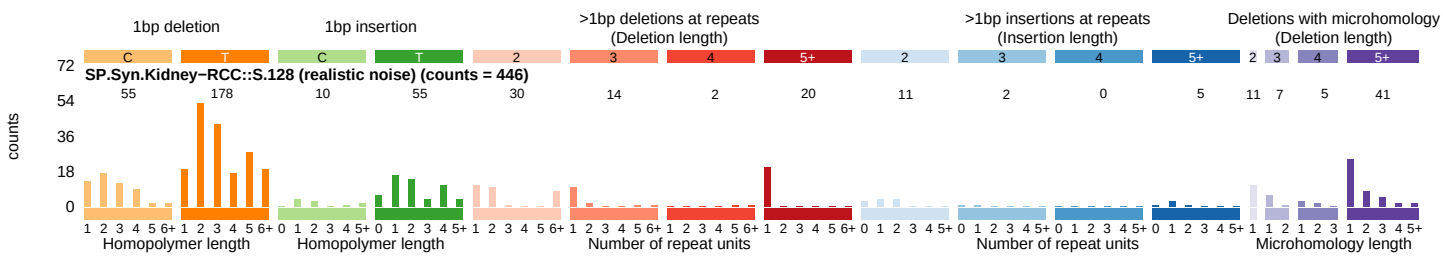
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.127 (realistic noise) (counts = 670)
158 178 14 70 37 13 11 61 15 5 6 6 15 14 4 63
counts
Homopolymer length
Number of repeat units
Microhomology length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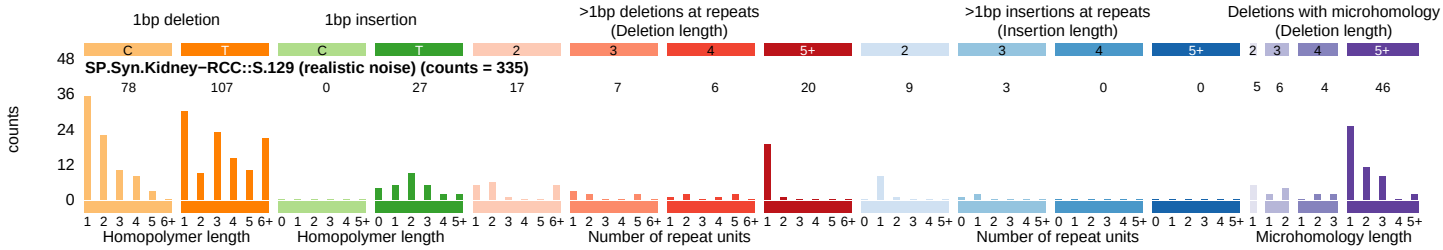
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.128 (realistic noise) (counts = 446)
55 178 10 55 30 14 2 20 11 2 0 5 11 7 5 41
counts
Homopolymer length
Number of repeat units
Microhomology length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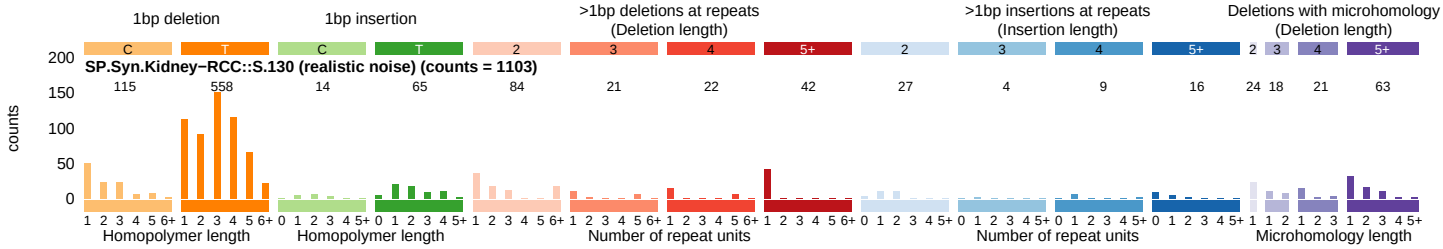
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.129 (realistic noise) (counts = 335)
counts
Homopolymer length
Number of repeat units
Microhomology length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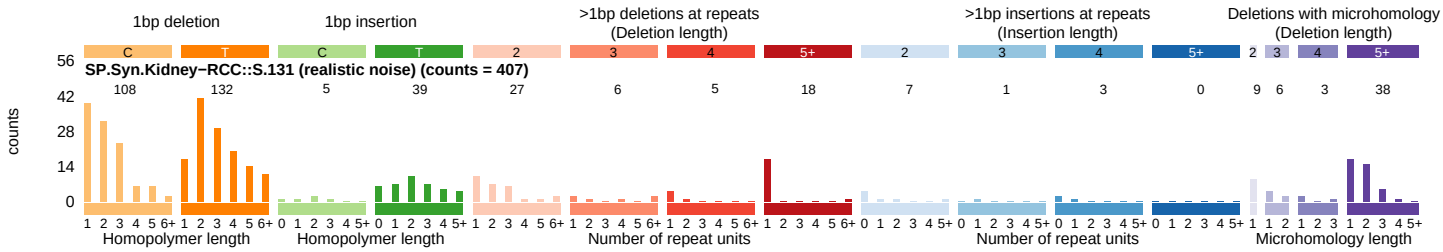
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.130 (realistic noise) (counts = 1103)
counts
Homopolymer length
Number of repeat units
Microhomology length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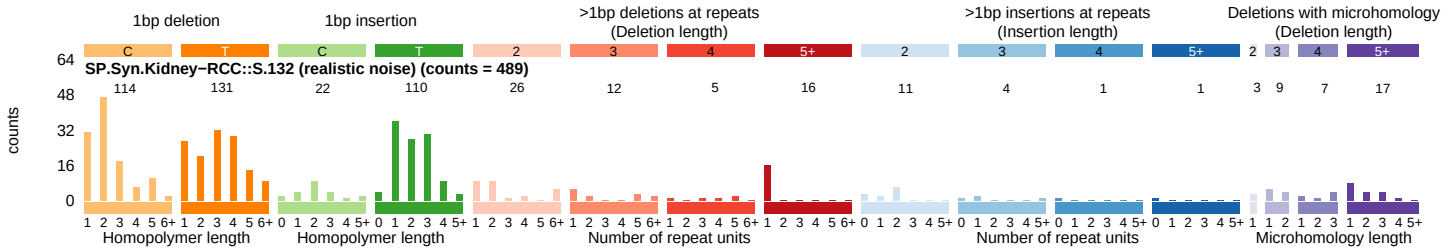
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.131 (realistic noise) (counts = 407)
counts
Homopolymer length
Number of repeat units
Microhomology length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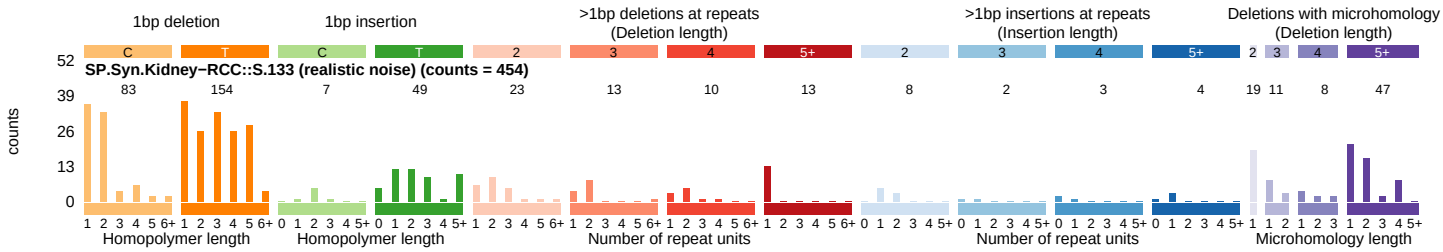
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.132 (realistic noise) (counts = 489)
counts
Homopolymer length
Number of repeat units
Microhomology length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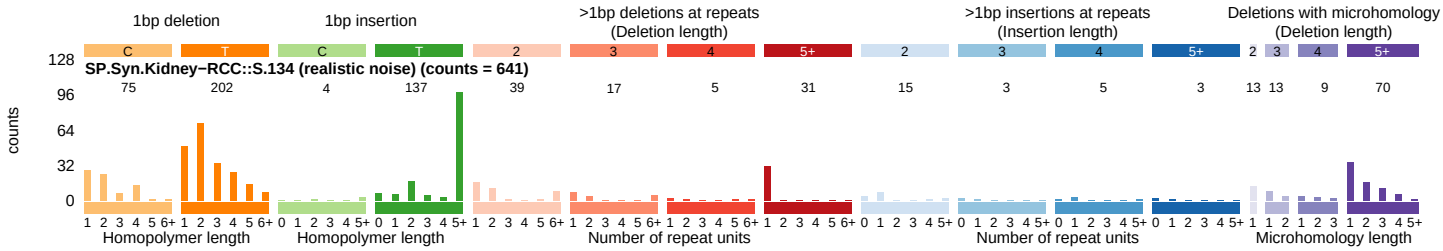
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.133 (realistic noise) (counts = 454)
counts
Homopolymer length
Number of repeat units
Microhomology length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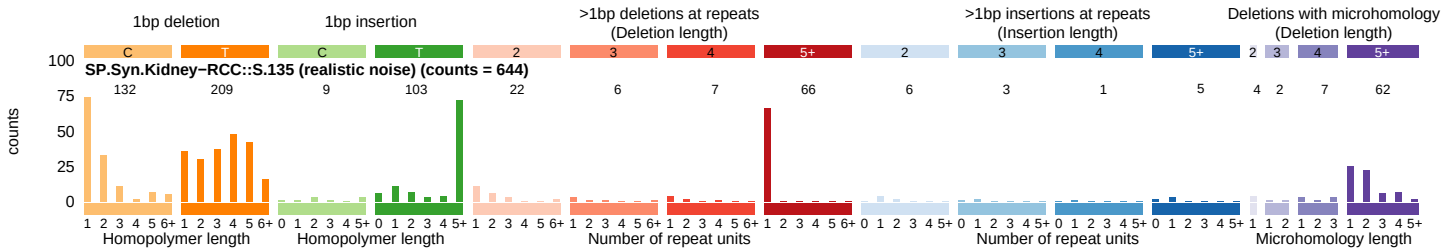
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.134 (realistic noise) (counts = 641)
counts
Homopolymer length
Number of repeat units
Microhomology length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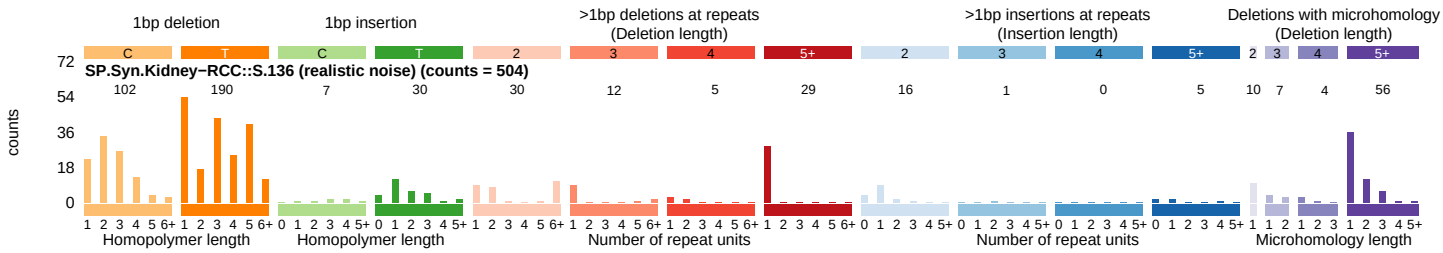
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.135 (realistic noise) (counts = 644)
counts
Homopolymer length
Number of repeat units
Microhomology length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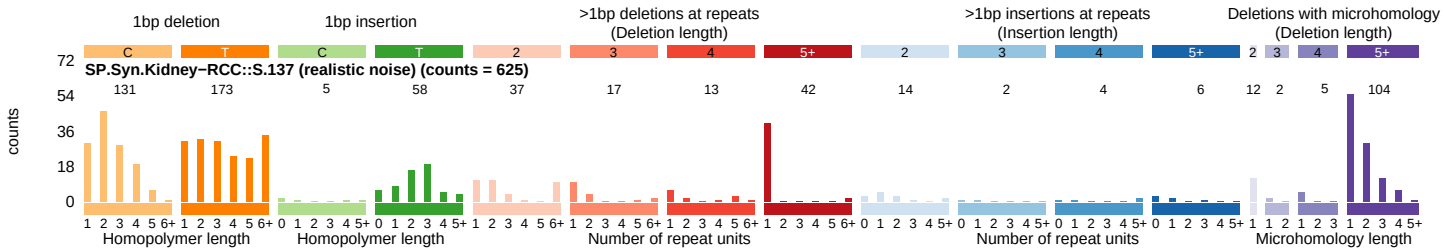
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.136 (realistic noise) (counts = 504)
counts
Homopolymer length
Number of repeat units
Microhomology length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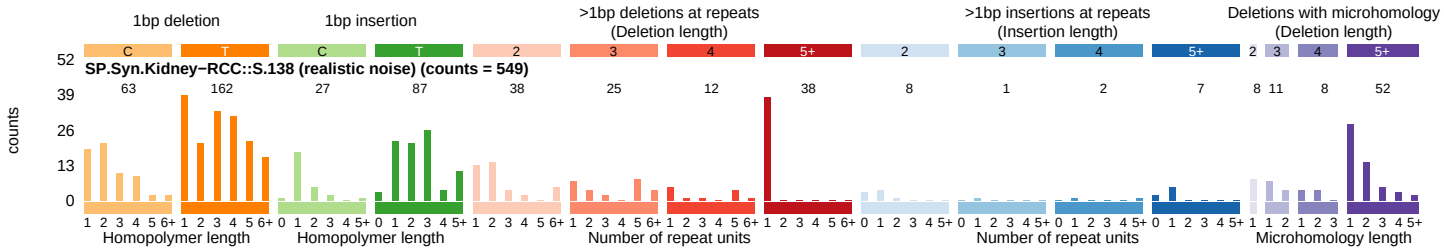
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.137 (realistic noise) (counts = 625)
counts
Homopolymer length
Number of repeat units
Microhomology length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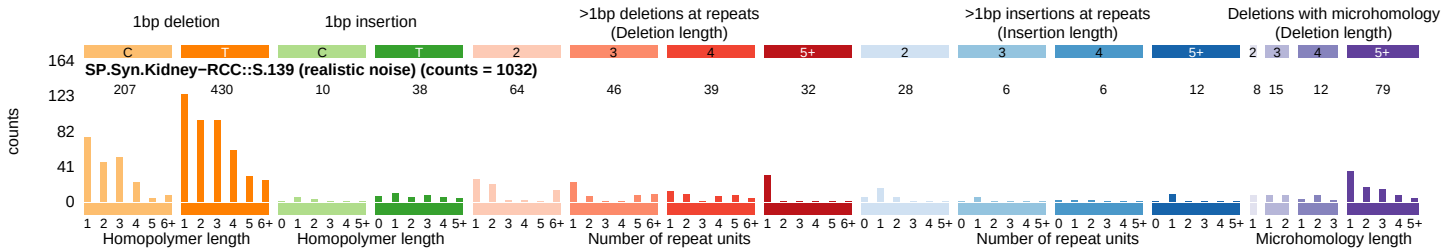
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.138 (realistic noise) (counts = 549)
counts
Homopolymer length
Number of repeat units
Microhomology length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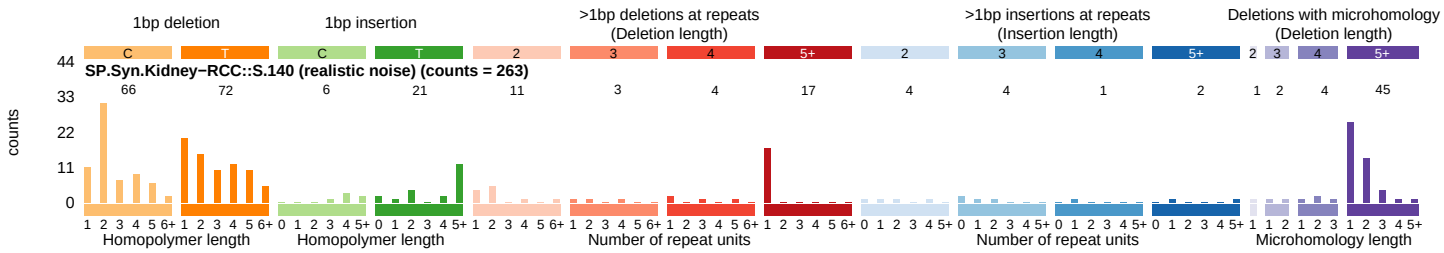
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.139 (realistic noise) (counts = 1032)
counts
Homopolymer length
Number of repeat units
Microhomology length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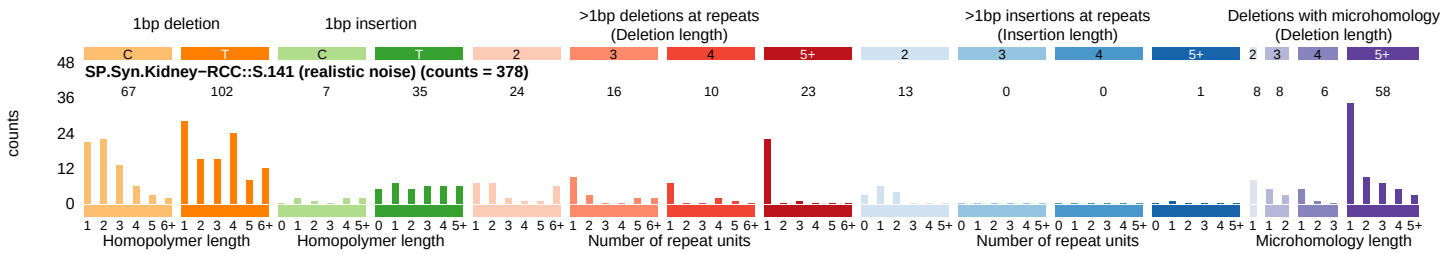
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.140 (realistic noise) (counts = 263)
counts
Homopolymer length
Number of repeat units
Microhomology length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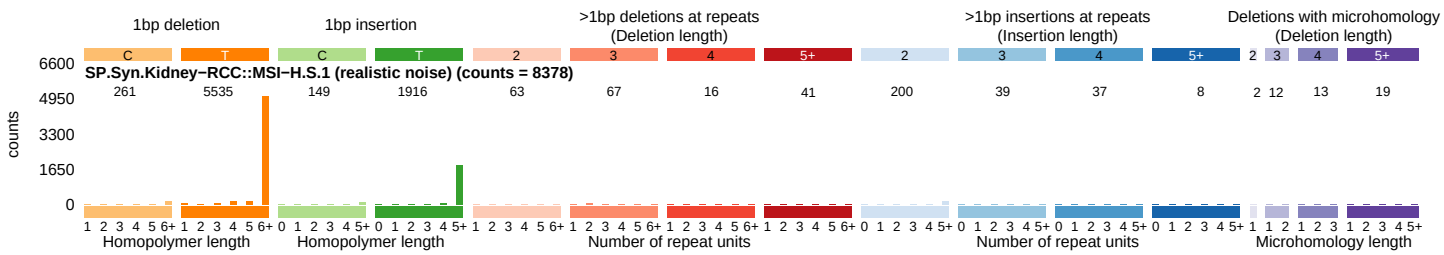
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::S.141 (realistic noise) (counts = 378)
counts
Homopolymer length
Number of repeat units
Microhomology length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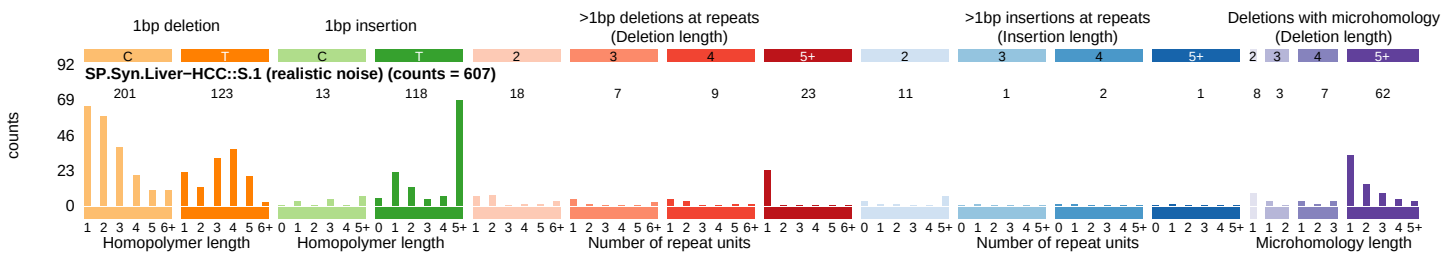
Deletions with microhomology (Deletion length)
SP.Syn.Kidney−RCC::MSI−H.S.1 (realistic noise) (counts = 8378)
counts
Homopolymer length
Number of repeat units
Microhomology length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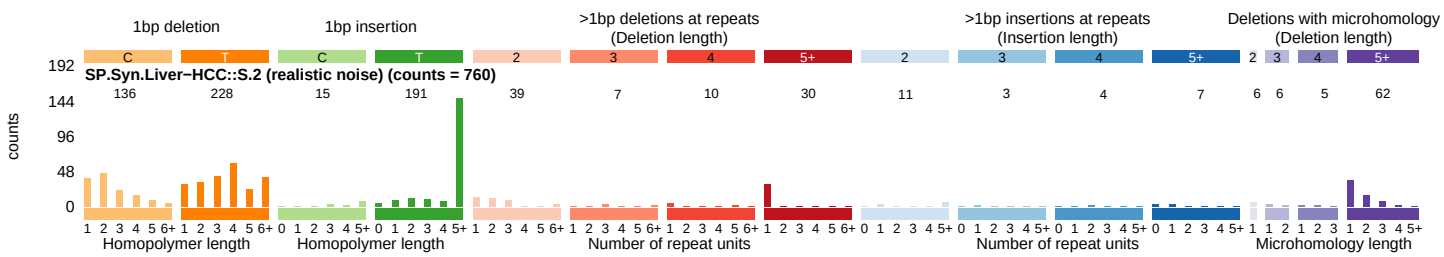
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.1 (realistic noise) (counts = 607)
counts
Homopolymer length
Number of repeat units
Microhomology length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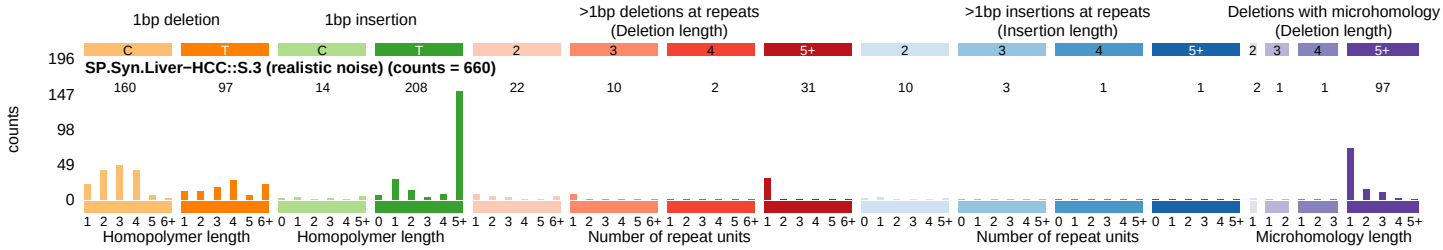
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.2 (realistic noise) (counts = 760)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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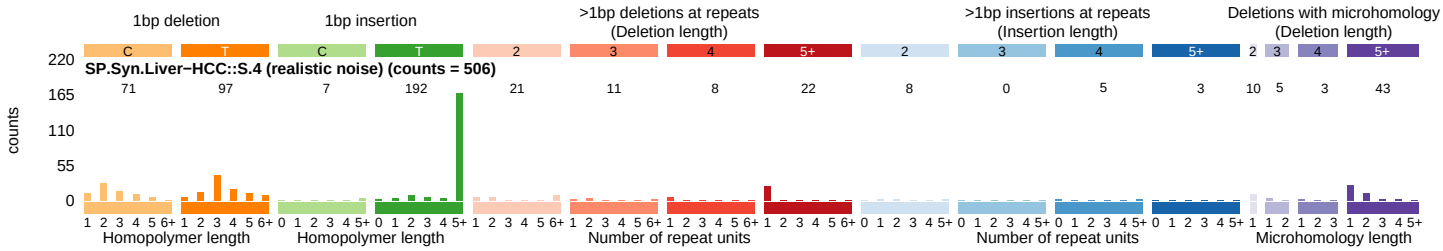
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.3 (realistic noise) (counts = 660)
160 97 14 208 22 10 2 31 10 3 1 1 2 1 1 97
counts
196 147 98 49 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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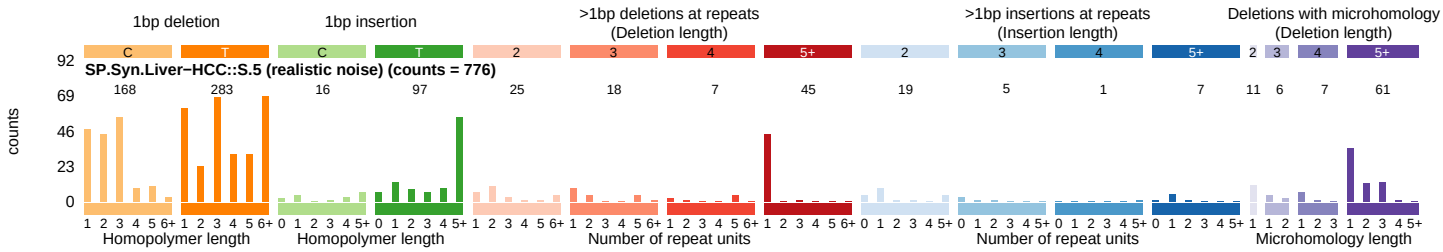
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.4 (realistic noise) (counts = 506)
71 97 7 192 21 11 8 22 8 0 5 3 10 5 3 43
counts
220 165 110 55 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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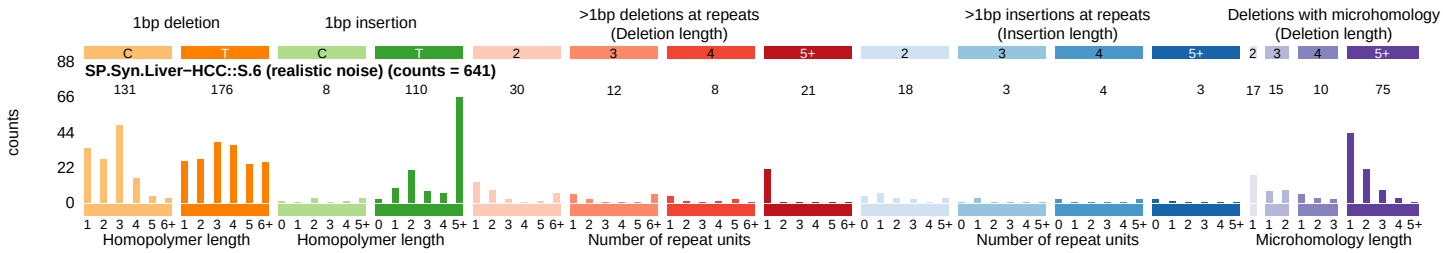
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.5 (realistic noise) (counts = 776)
168 283 16 97 25 18 7 45 19 5 1 7 11 6 7 61
counts
92 69 46 23 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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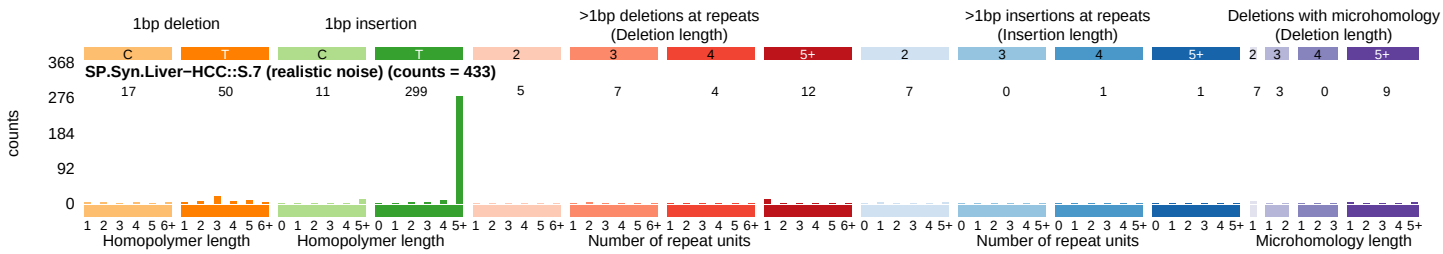
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.6 (realistic noise) (counts = 641)
131 176 8 110 30 12 8 21 18 3 4 3 17 15 10 75
counts
88 66 44 22 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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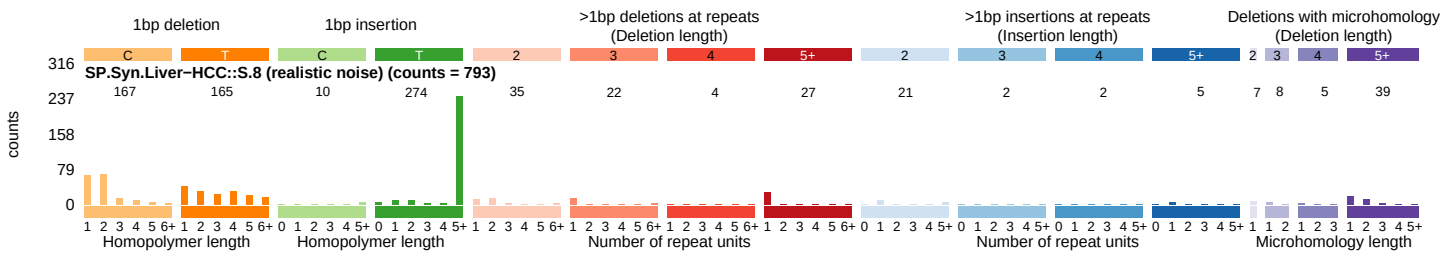
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.7 (realistic noise) (counts = 433)
17 50 11 299 5 7 4 12 7 0 1 1 7 3 0 9
counts
368 276 184 92 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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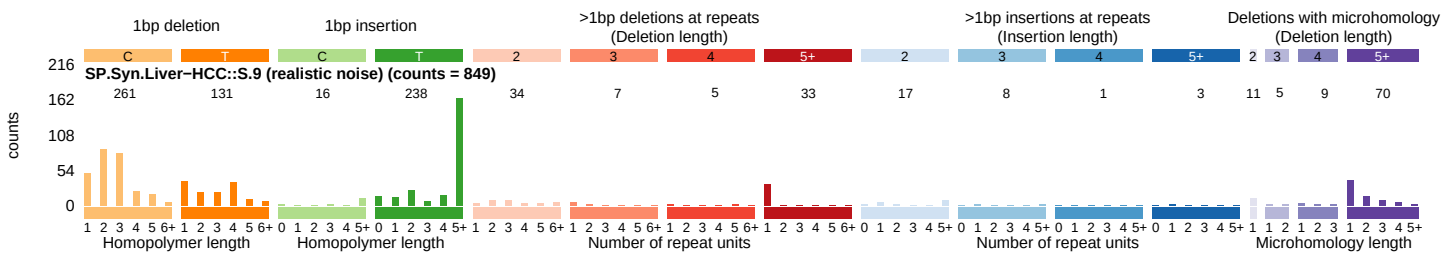
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.8 (realistic noise) (counts = 793)
167 165 10 274 35 22 4 27 21 2 2 5 7 8 5 39
counts
316 237 158 79 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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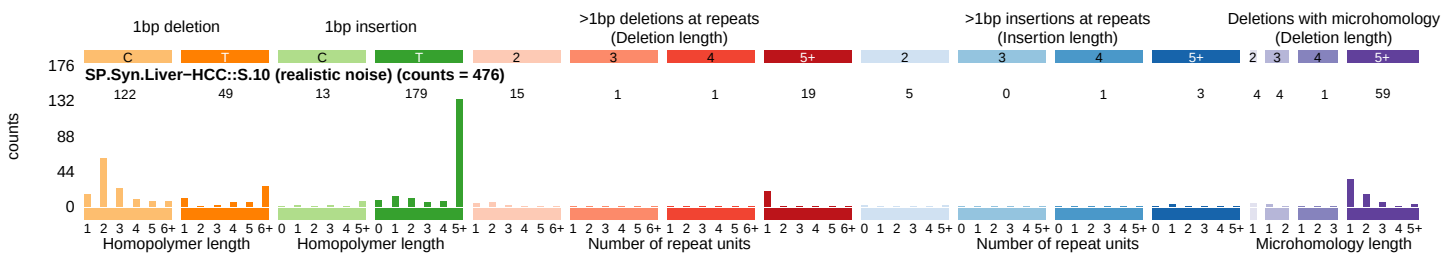
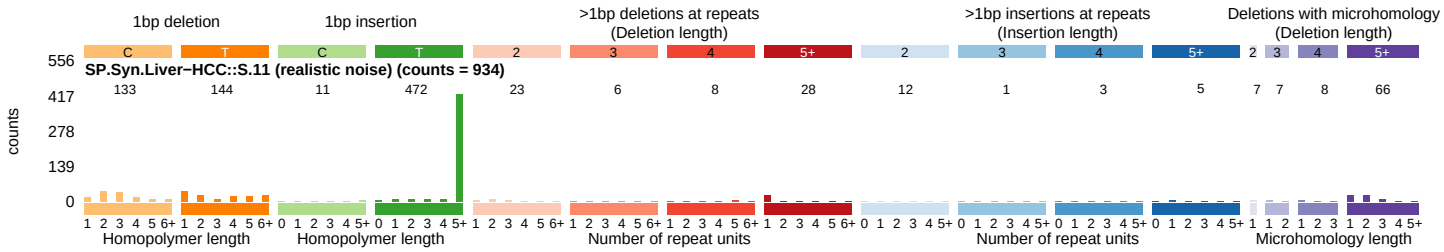
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.9 (realistic noise) (counts = 849)
261 131 16 238 34 7 5 33 17 8 1 3 11 5 9 70
counts
216 162 108 54 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.10 (realistic noise) (counts = 476)
122 49 13 179 15 1 1 19 5 0 1 3 4 4 1 59
counts
176 132 88 44 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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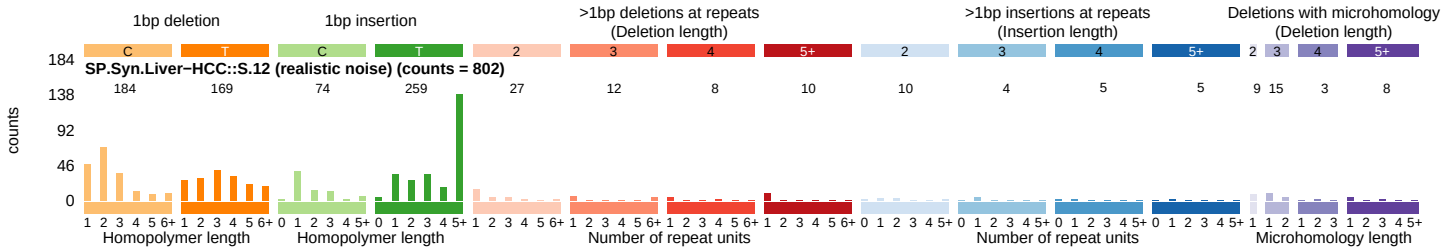
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.11 (realistic noise) (counts = 934)
133 144 11 472 23 6 8 28 12 1 3 5 7 7 8 66
counts
Homopolymer length
Number of repeat units
Microhomology length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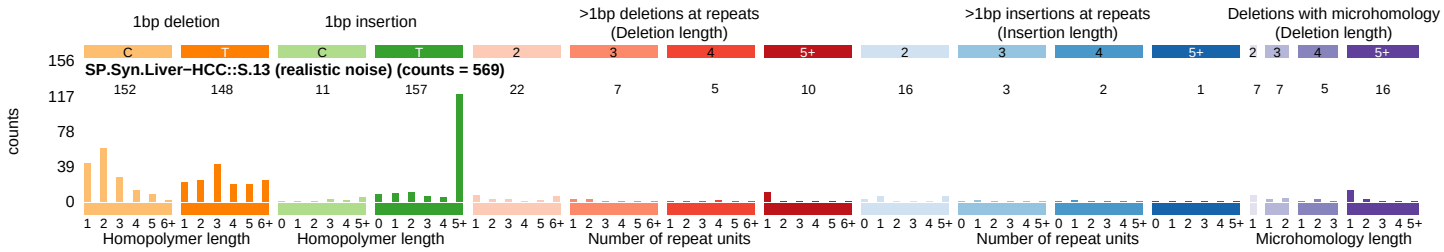
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.12 (realistic noise) (counts = 802)
184 169 74 259 27 12 8 10 10 4 5 5 9 15 3 8
counts
Homopolymer length
Number of repeat units
Microhomology length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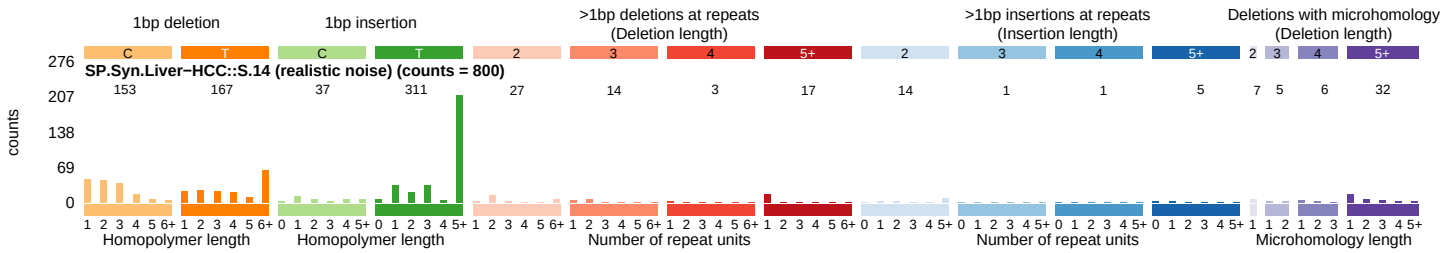
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.13 (realistic noise) (counts = 569)
152 148 11 157 22 7 5 10 16 3 2 1 7 7 5 16
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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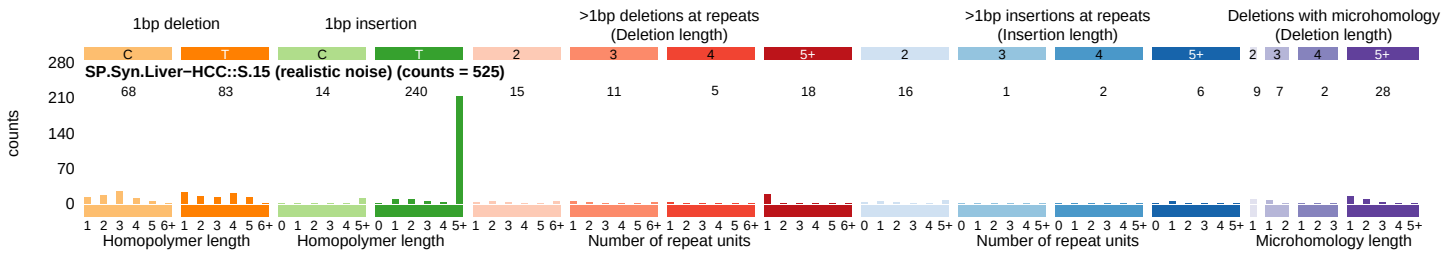
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.14 (realistic noise) (counts = 800)
153 167 37 311 27 14 3 17 14 1 1 5 7 5 6 32
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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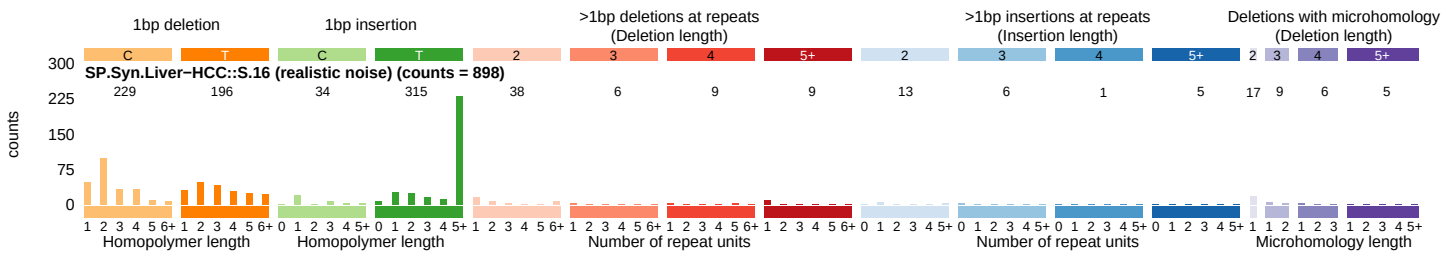
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.15 (realistic noise) (counts = 525)
68 83 14 240 15 11 5 18 16 1 2 6 9 7 2 28
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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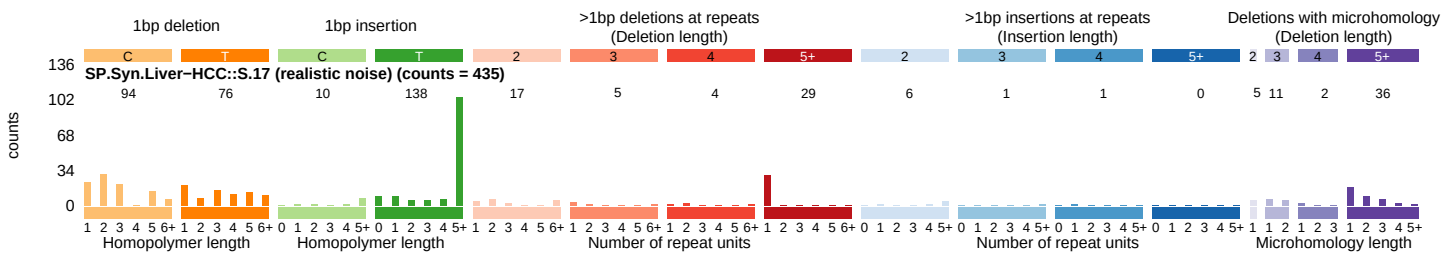
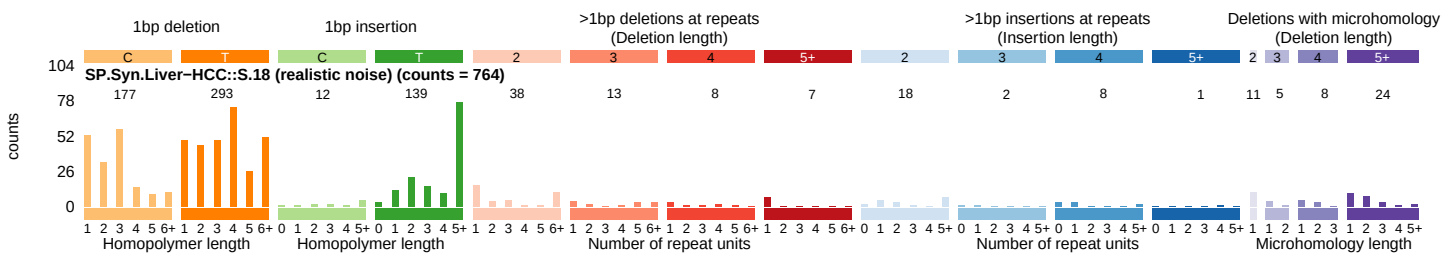
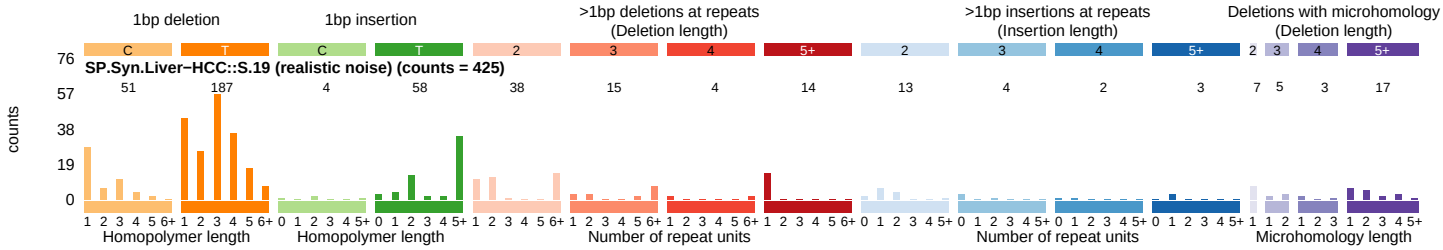
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.16 (realistic noise) (counts = 898)
229 196 34 315 38 6 9 9 13 6 1 5 17 9 6 5
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.17 (realistic noise) (counts = 435)
94 76 10 138 17 5 4 29 6 1 1 0 5 11 2 36
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.18 (realistic noise) (counts = 764)
177 293 12 139 38 13 8 7 18 2 8 1 11 5 8 24
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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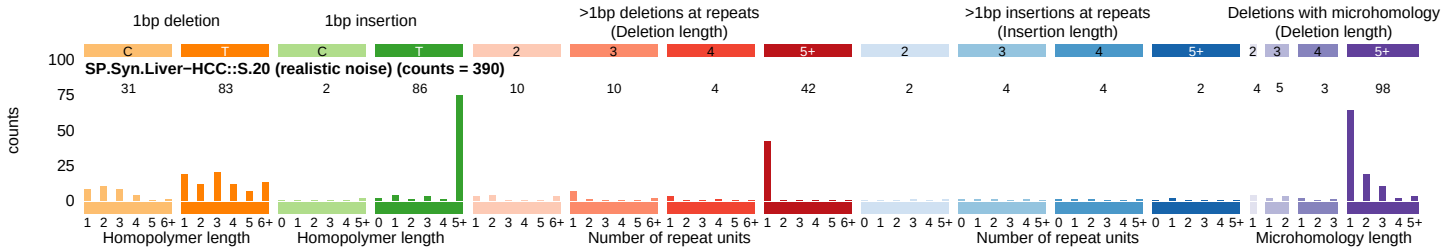
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.19 (realistic noise) (counts = 425)
counts
Homopolymer length
Number of repeat units
Microhomology length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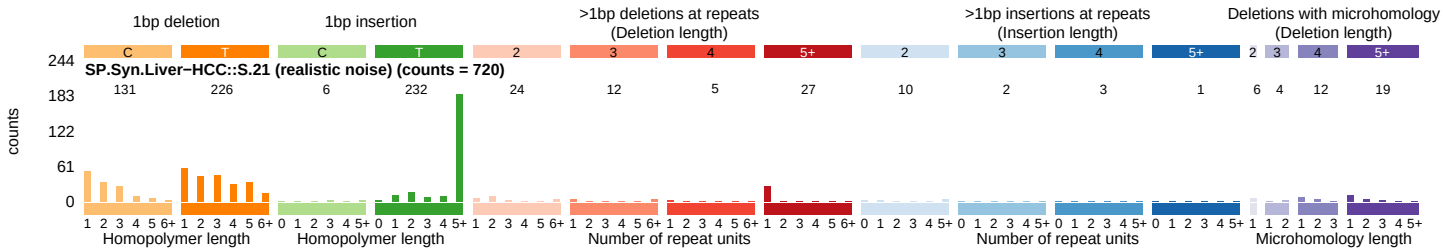
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.20 (realistic noise) (counts = 390)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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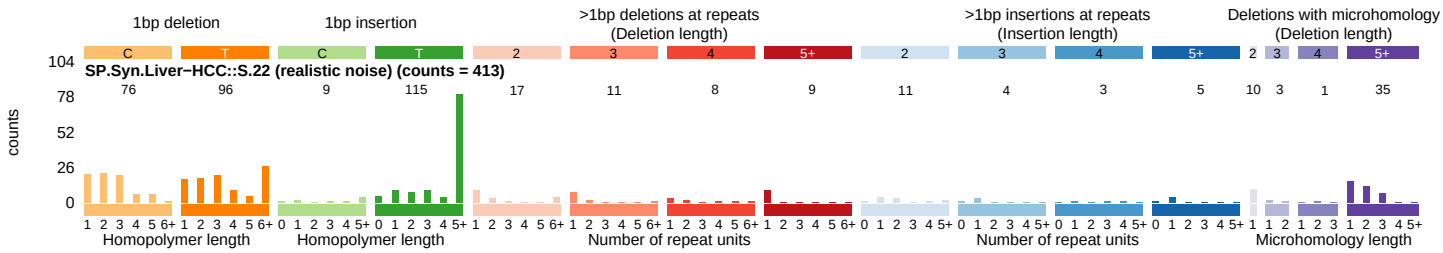
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.21 (realistic noise) (counts = 720)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
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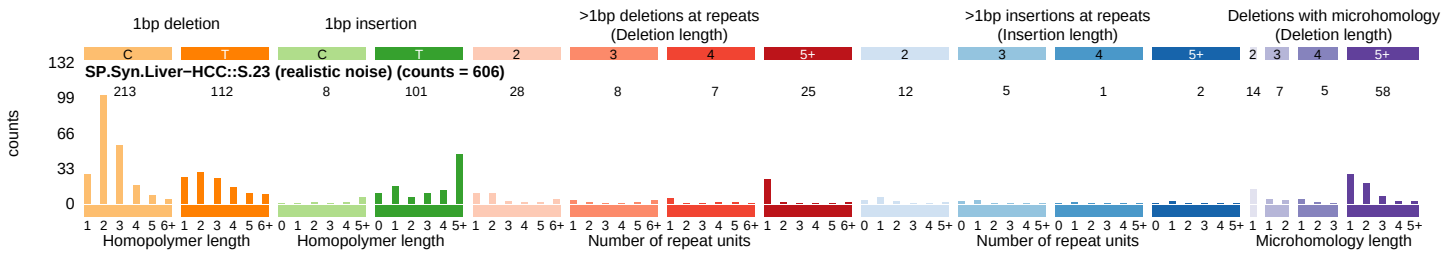
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.22 (realistic noise) (counts = 413)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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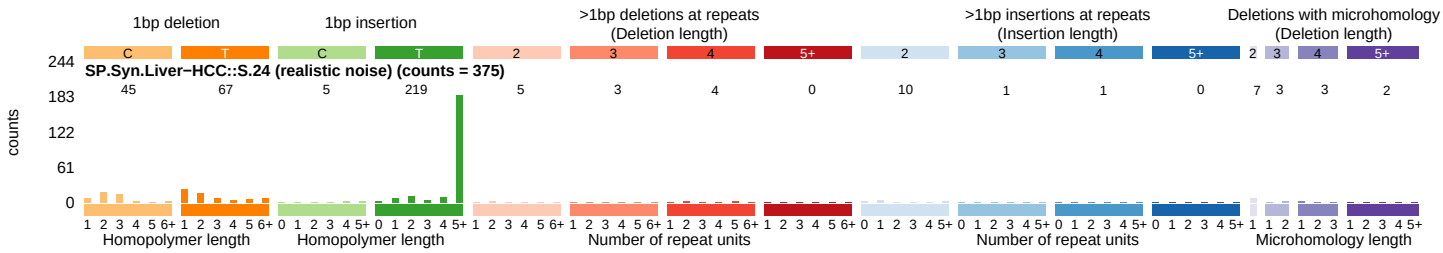
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.23 (realistic noise) (counts = 606)
counts
Homopolymer length
Number of repeat units
Microhomology length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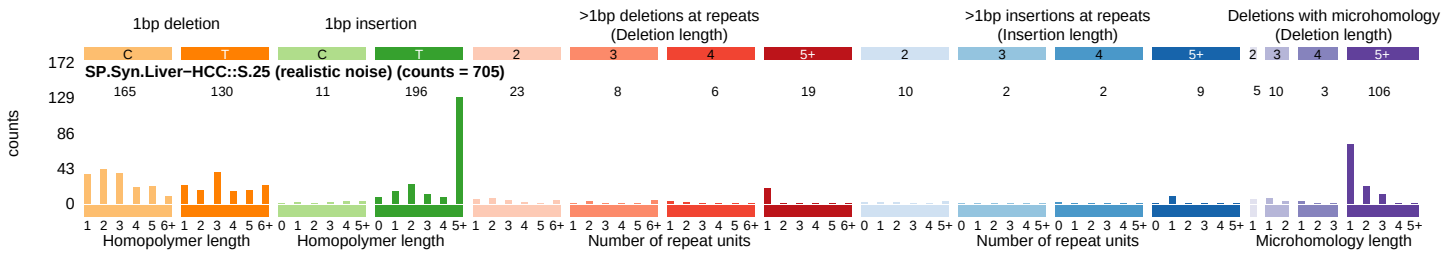
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.24 (realistic noise) (counts = 375)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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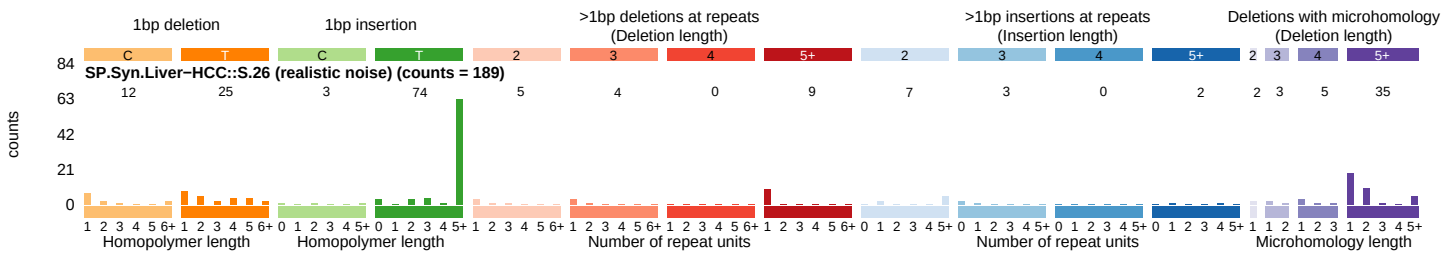
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.25 (realistic noise) (counts = 705)
counts
Homopolymer length
Number of repeat units
Microhomology length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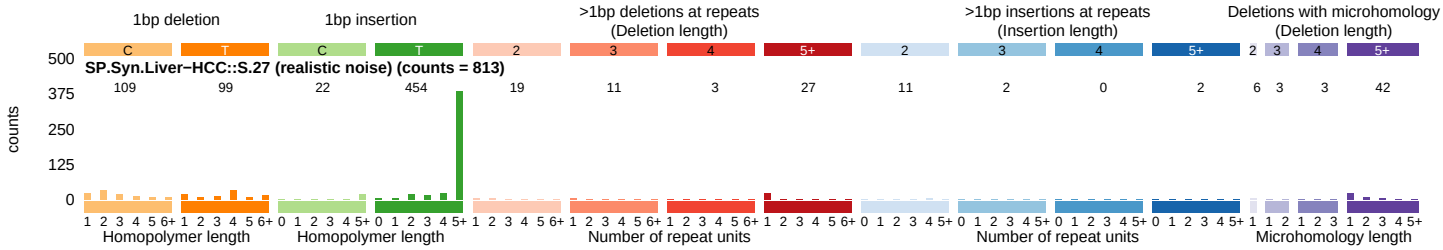
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.26 (realistic noise) (counts = 189)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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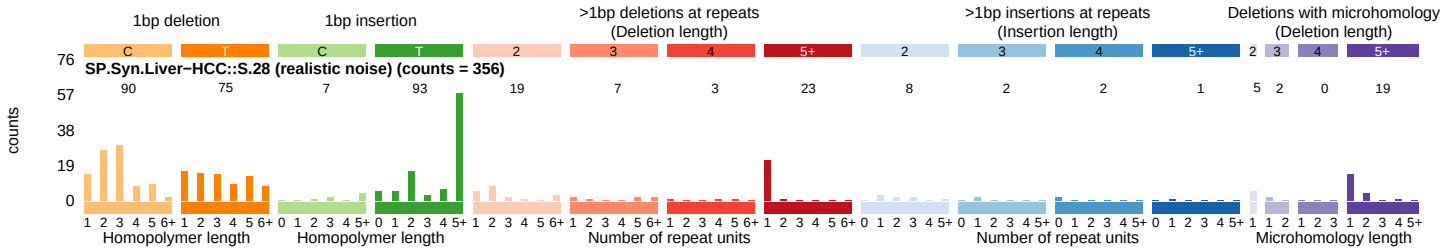
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.27 (realistic noise) (counts = 813)
109 99 22 454 19 11 3 27 11 2 0 2 6 3 3 42
counts
500 375 250 125 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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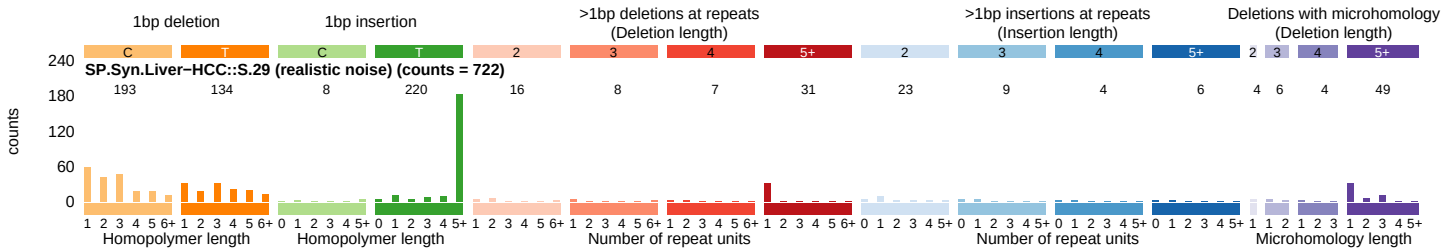
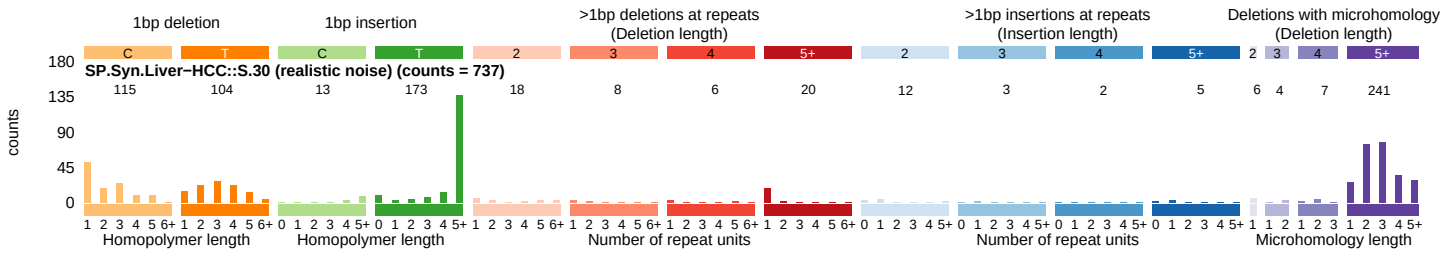
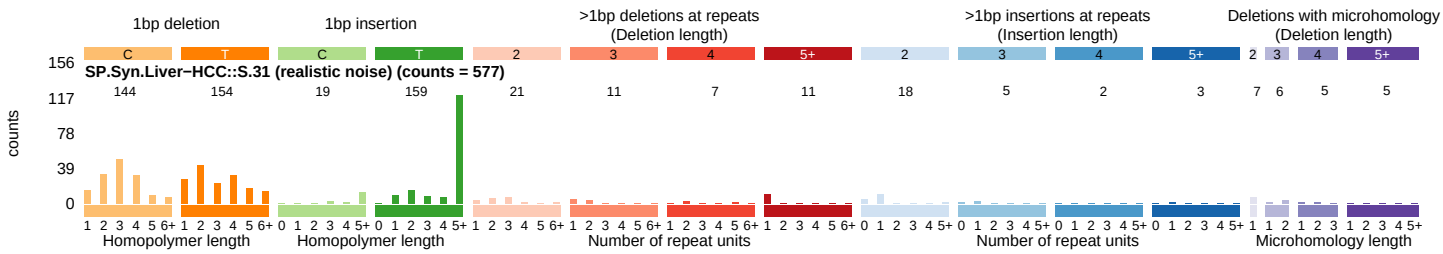
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.28 (realistic noise) (counts = 356)
90 75 7 93 19 7 3 23 8 2 2 1 5 2 0 19
counts
76 57 38 19 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.29 (realistic noise) (counts = 722)
193 134 8 220 16 8 7 31 23 9 4 6 4 6 4 49
counts
240 180 120 60 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.30 (realistic noise) (counts = 737)
115 104 13 173 18 8 6 20 12 3 2 5 6 4 7 241
counts
180 135 90 45 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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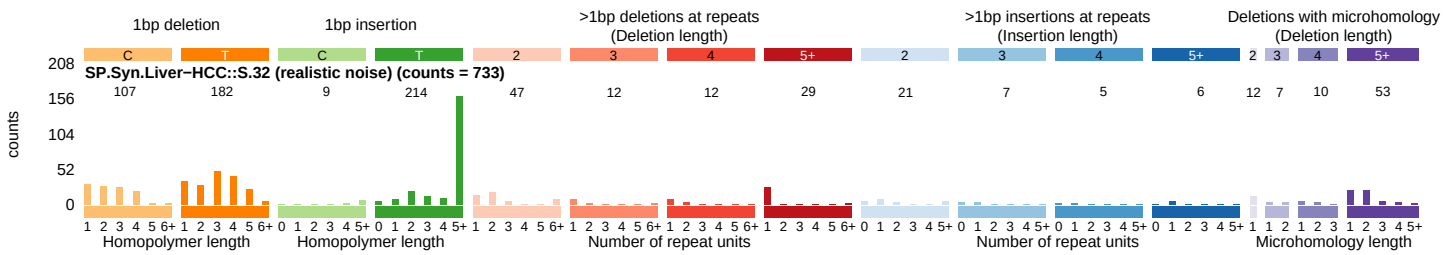
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.31 (realistic noise) (counts = 577)
144 154 19 159 21 11 7 11 18 5 2 3 7 6 5 5
counts
156 117 78 39 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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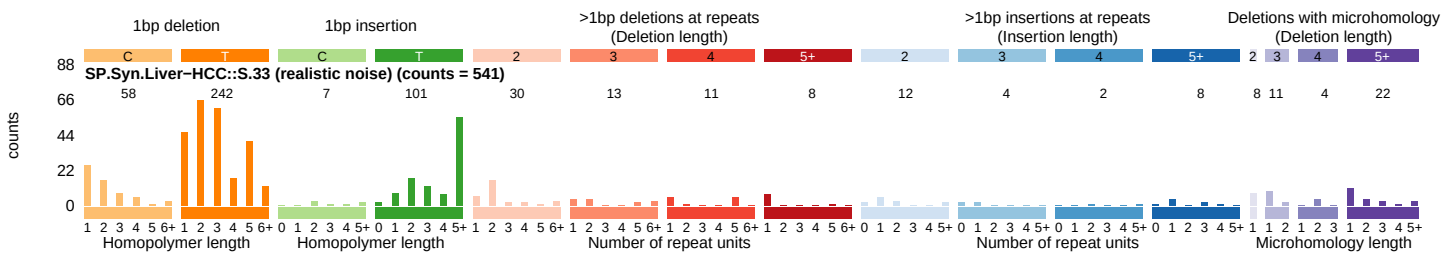
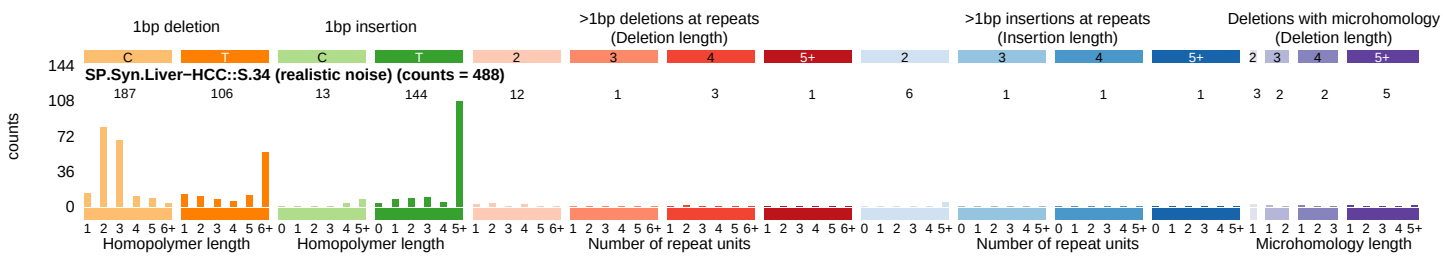
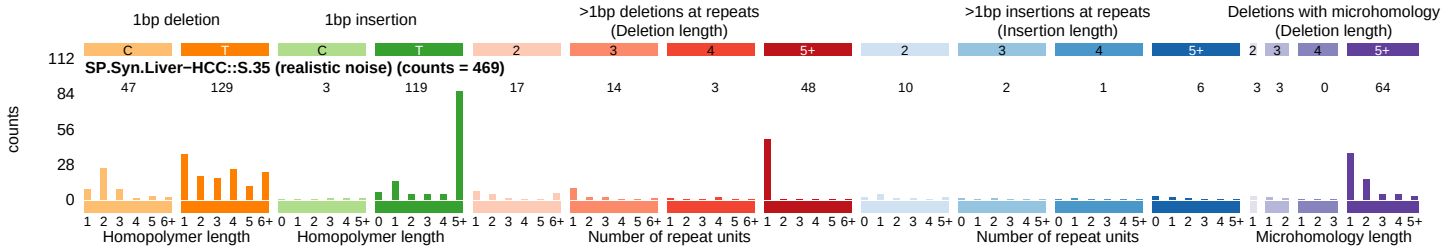
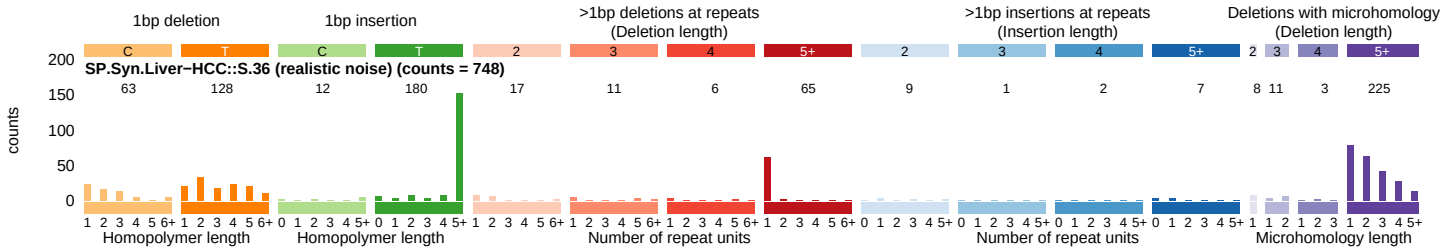
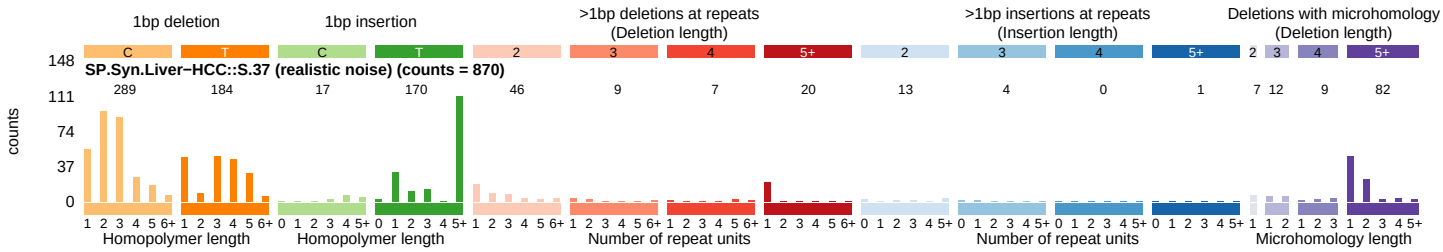
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.32 (realistic noise) (counts = 733)
107 182 9 214 47 12 12 29 21 7 5 6 12 7 10 53
counts
208 156 104 52 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

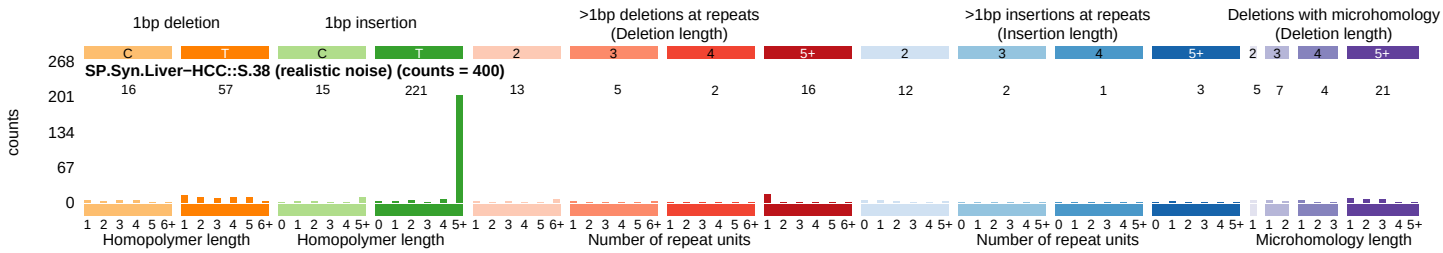

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.33 (realistic noise) (counts = 541)
58 242 7 101 30 13 11 8 12 4 2 8 8 11 4 22
counts
88 66 44 22 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

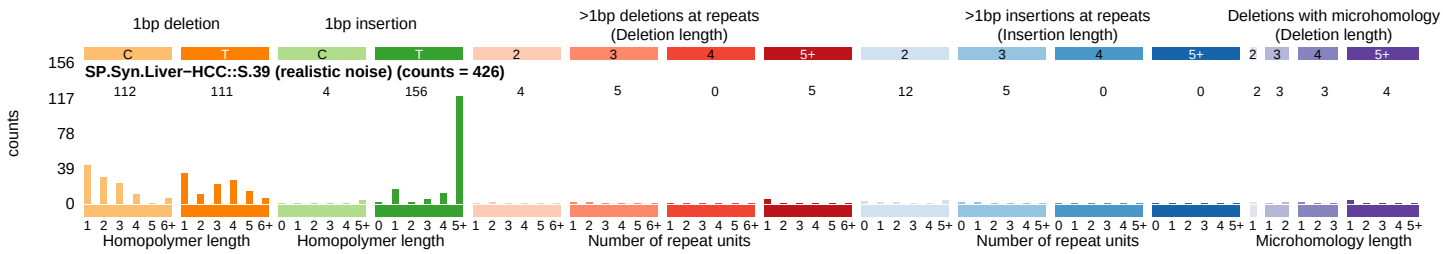

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.34 (realistic noise) (counts = 488)
187 106 13 144 12 1 3 1 6 1 1 1 3 2 2 5
counts
144 108 72 36 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.35 (realistic noise) (counts = 469)
47 129 3 119 17 14 3 48 10 2 1 6 3 3 0 64
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.36 (realistic noise) (counts = 748)
63 128 12 180 17 11 6 65 9 1 2 7 8 11 3 225
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.37 (realistic noise) (counts = 870)
289 184 17 170 46 9 7 20 13 4 0 1 7 12 9 82
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.38 (realistic noise) (counts = 400)
16 57 15 221 13 5 2 16 12 2 1 3 5 7 4 21
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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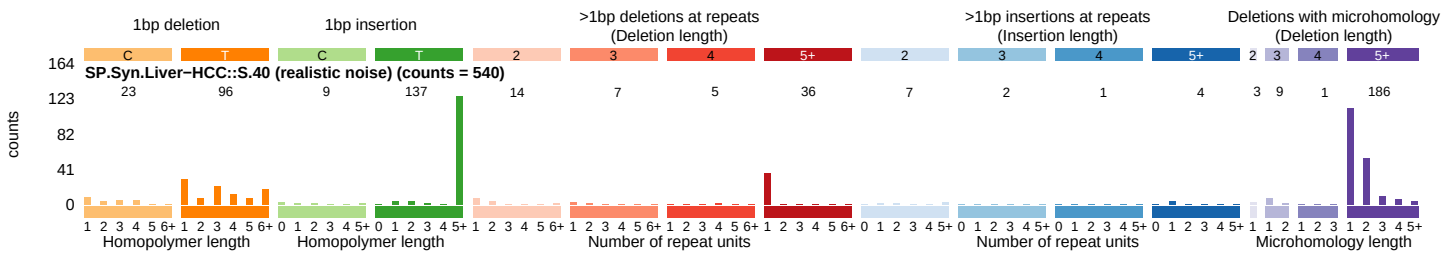
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.39 (realistic noise) (counts = 426)
112 111 4 156 4 5 0 5 12 5 0 0 2 3 3 4
counts
Homopolymer length
Number of repeat units
Microhomology length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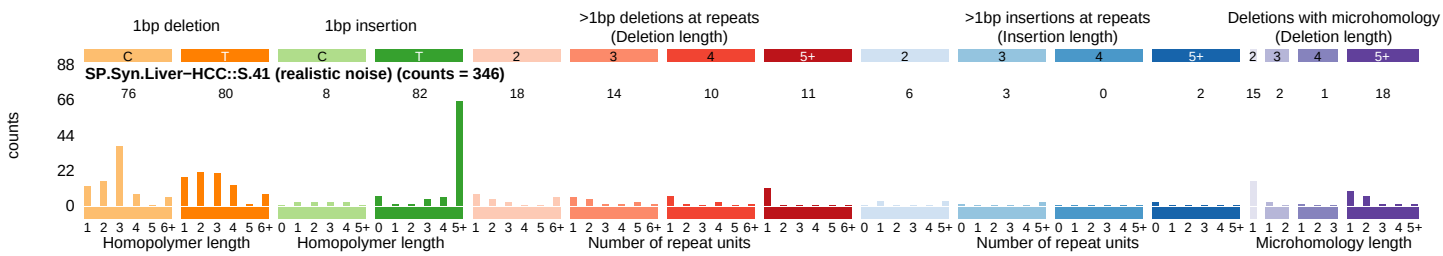
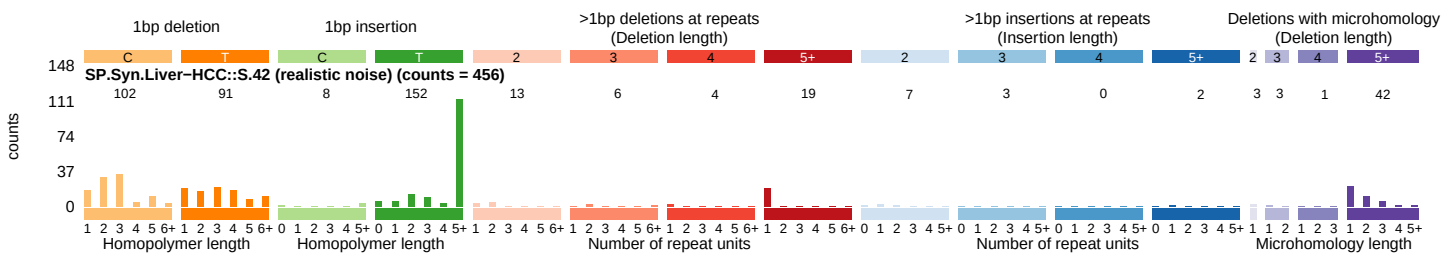
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.40 (realistic noise) (counts = 540)
23 96 9 137 14 7 5 36 7 2 1 4 3 9 1 186
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.41 (realistic noise) (counts = 346)
76 80 8 82 18 14 10 11 6 3 0 2 15 2 1 18
counts
Homopolymer length
Number of repeat units
Microhomology length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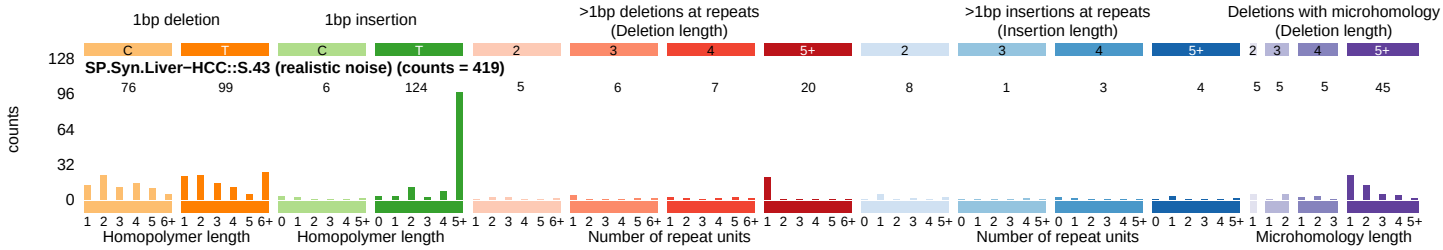
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.42 (realistic noise) (counts = 456)
102 91 8 152 13 6 4 19 7 3 0 2 3 3 1 42
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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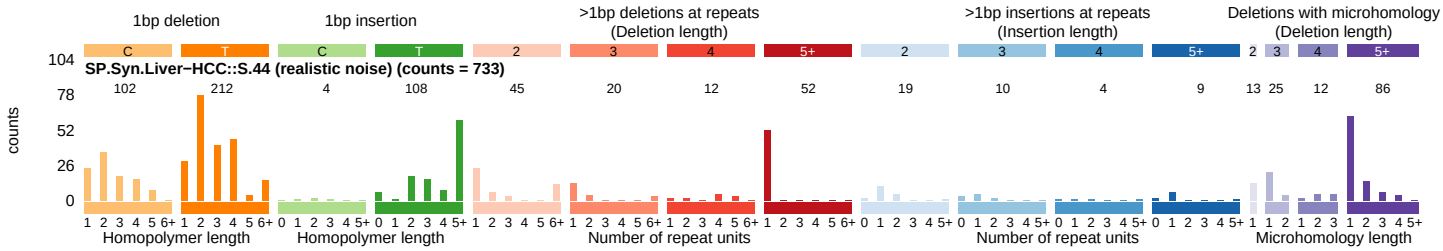
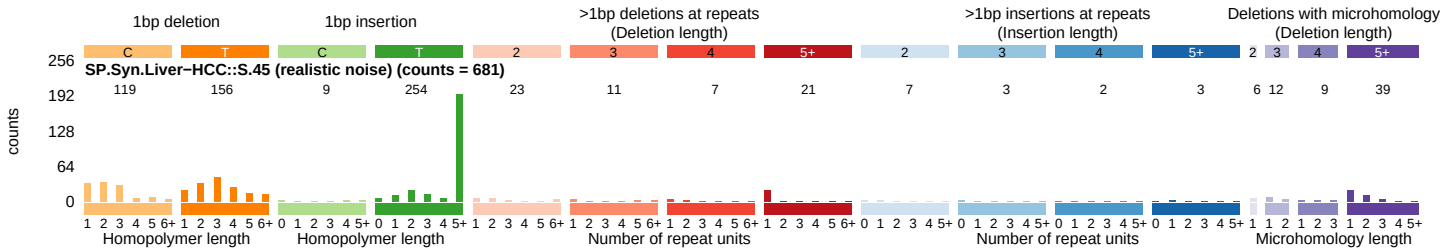
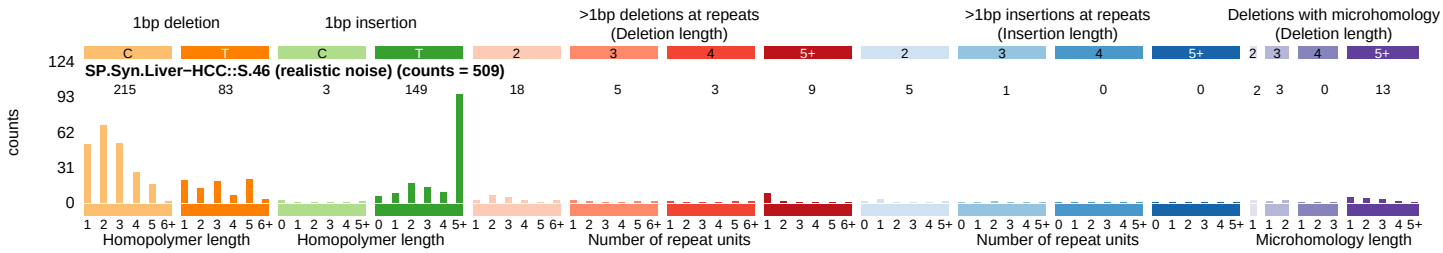
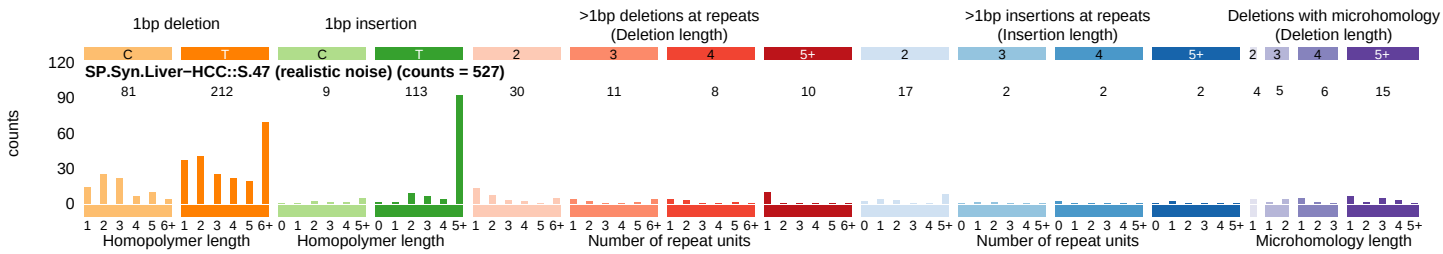
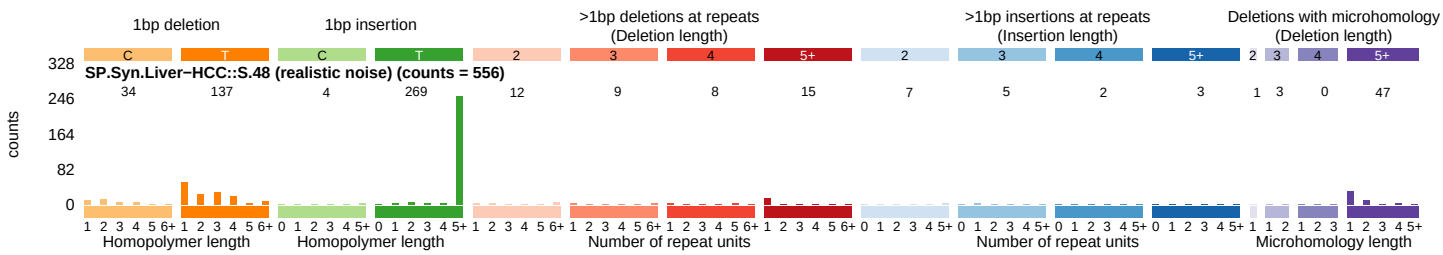
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.43 (realistic noise) (counts = 419)
76 99 6 124 5 6 7 20 8 1 3 4 5 5 5 45
counts
Homopolymer length
Number of repeat units
Microhomology length

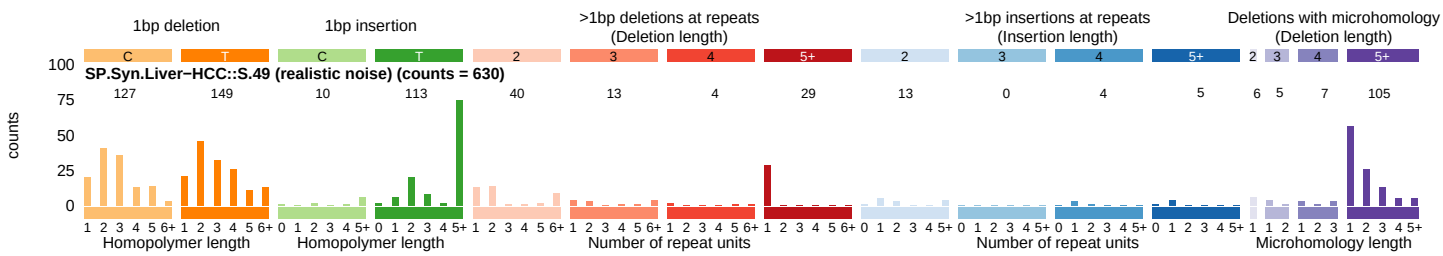

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.44 (realistic noise) (counts = 733)
102 212 4 108 45 20 12 52 19 10 4 9 13 25 12 86
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.45 (realistic noise) (counts = 681)
119 156 9 254 23 11 7 21 7 3 2 3 6 12 9 39
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.46 (realistic noise) (counts = 509)
215 83 3 149 18 5 3 9 5 1 0 0 2 3 0 13
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.47 (realistic noise) (counts = 527)
81 212 9 113 30 11 8 10 17 2 2 2 4 5 6 15
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.48 (realistic noise) (counts = 556)
34 137 4 269 12 9 8 15 7 5 2 3 1 3 0 47
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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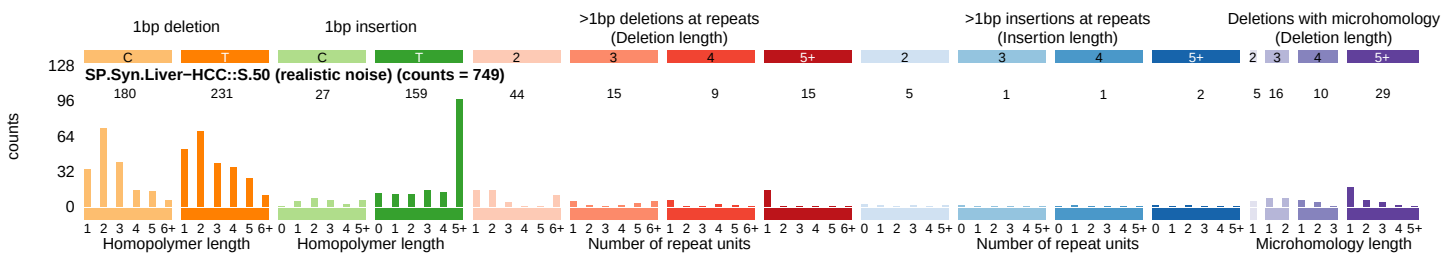
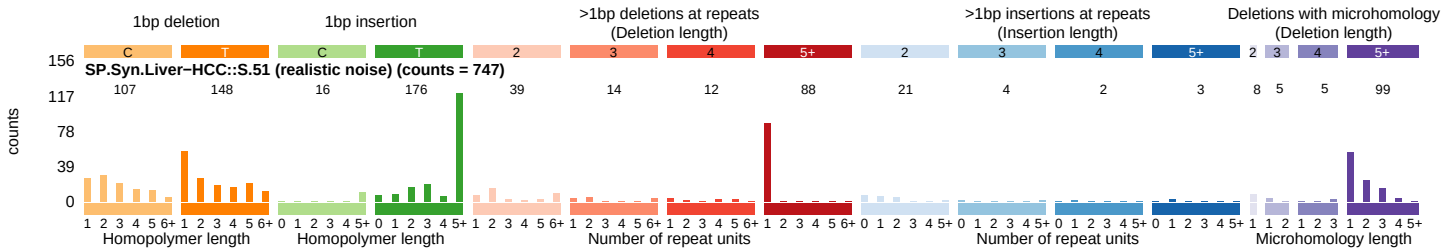
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.49 (realistic noise) (counts = 630)
127 149 10 113 40 13 4 29 13 0 4 5 6 5 7 105
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.50 (realistic noise) (counts = 749)
180 231 27 159 44 15 9 15 5 1 1 2 5 16 10 29
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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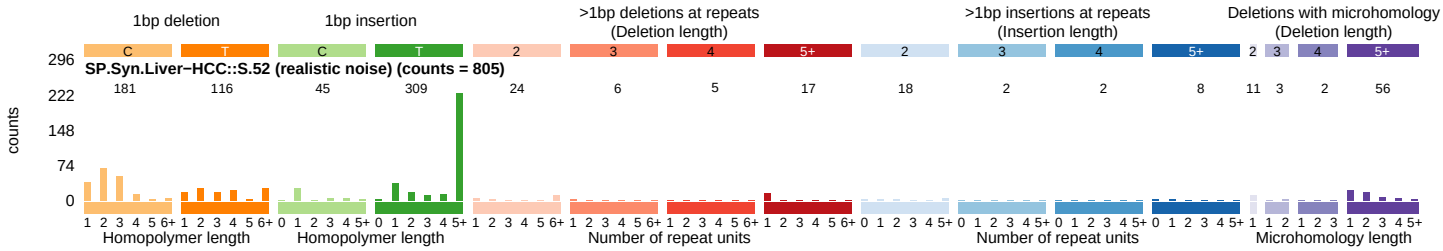
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.51 (realistic noise) (counts = 747)
107 148 16 176 39 14 12 88 21 4 2 3 8 5 5 99
counts
156 117 78 39 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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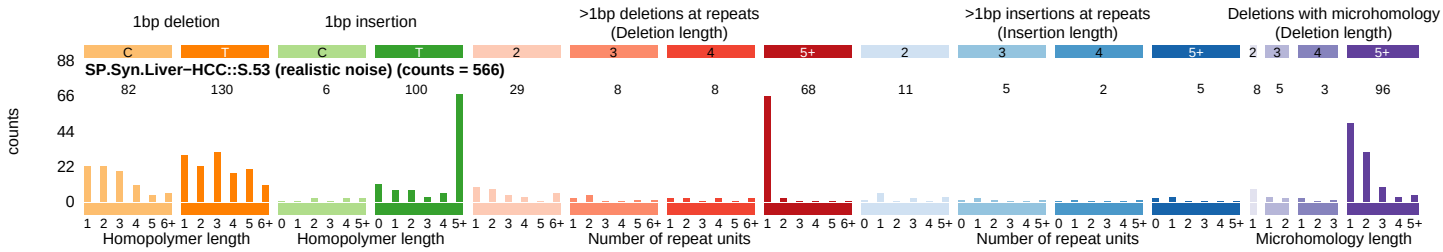
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.52 (realistic noise) (counts = 805)
181 116 45 309 24 6 5 17 18 2 2 8 11 3 2 56
counts
296 222 148 74 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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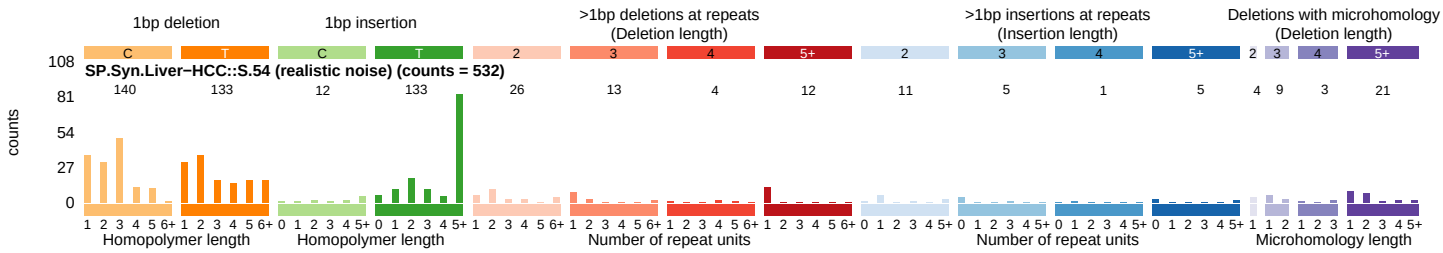
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.53 (realistic noise) (counts = 566)
82 130 6 100 29 8 8 68 11 5 2 5 8 5 3 96
counts
88 66 44 22 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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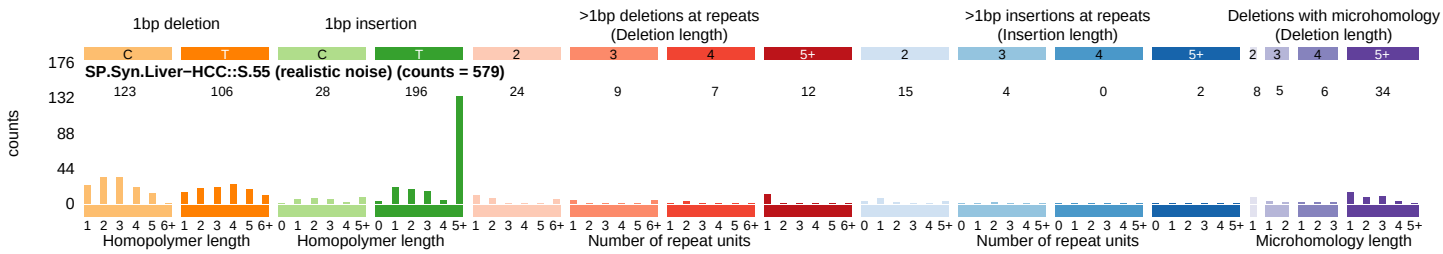
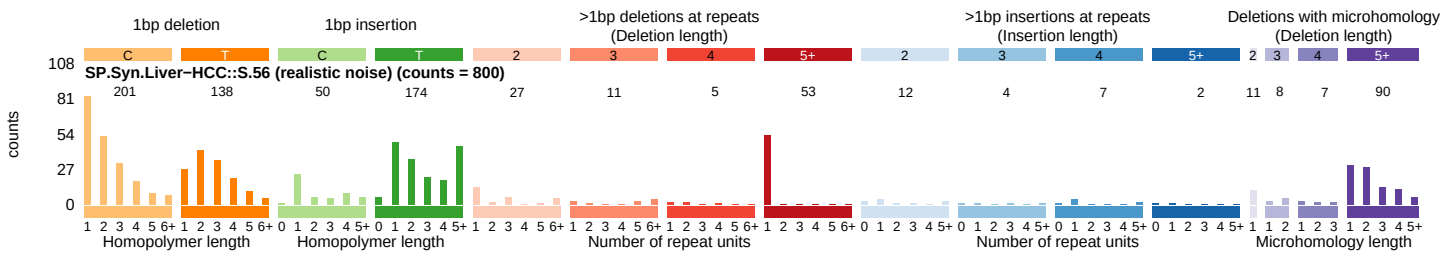
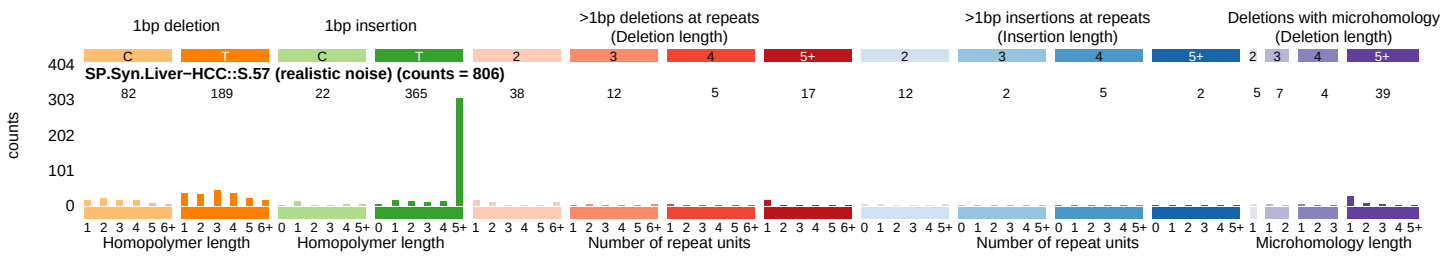
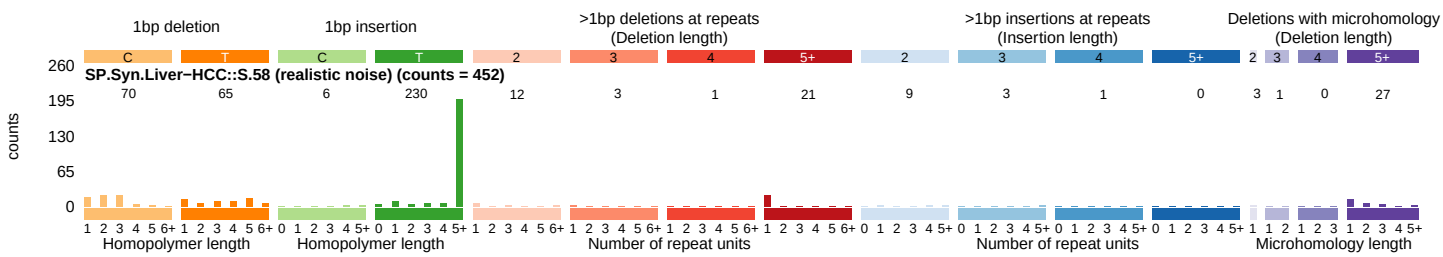
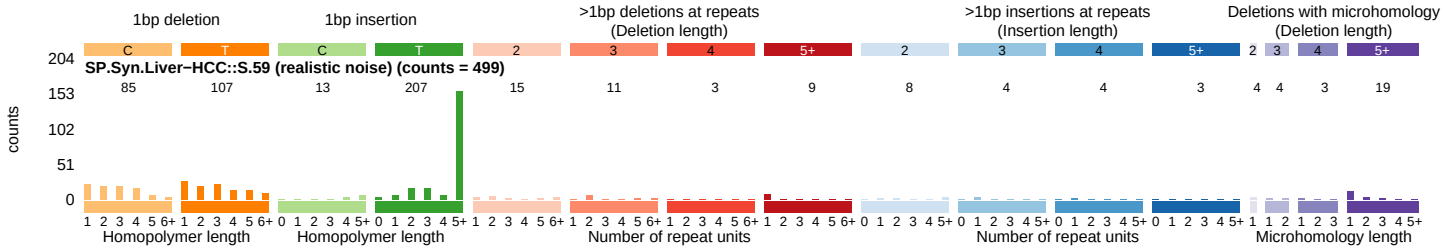
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.54 (realistic noise) (counts = 532)
140 133 12 133 26 13 4 12 11 5 1 5 4 9 3 21
counts
108 81 54 27 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

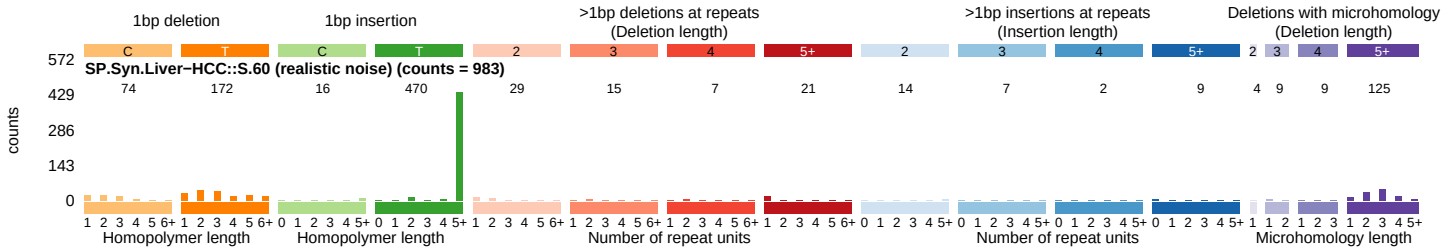

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.55 (realistic noise) (counts = 579)
123 106 28 196 24 9 7 12 15 4 0 2 8 5 6 34
counts
176 132 88 44 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

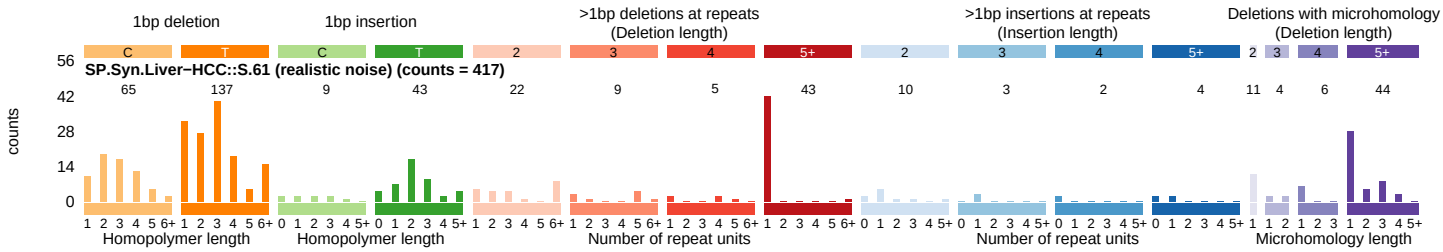

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.56 (realistic noise) (counts = 800)
201 138 50 174 27 11 5 53 12 4 7 2 11 8 7 90
counts
108 81 54 27 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

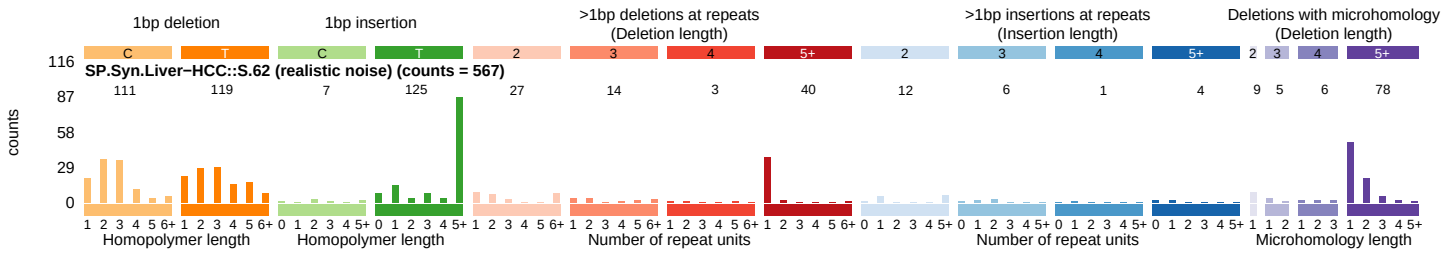

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.57 (realistic noise) (counts = 806)
82 189 22 365 38 12 5 17 12 2 5 2 5 7 4 39
counts
404 303 202 101 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.58 (realistic noise) (counts = 452)
70 65 6 230 12 3 1 21 9 3 1 0 3 1 0 27
counts
260 195 130 65 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.59 (realistic noise) (counts = 499)
85 107 13 207 15 11 3 9 8 4 4 3 4 4 3 19
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.60 (realistic noise) (counts = 983)
74 172 16 470 29 15 7 21 14 7 2 9 4 9 9 125
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.61 (realistic noise) (counts = 417)
65 137 9 43 22 9 5 43 10 3 2 4 11 4 6 44
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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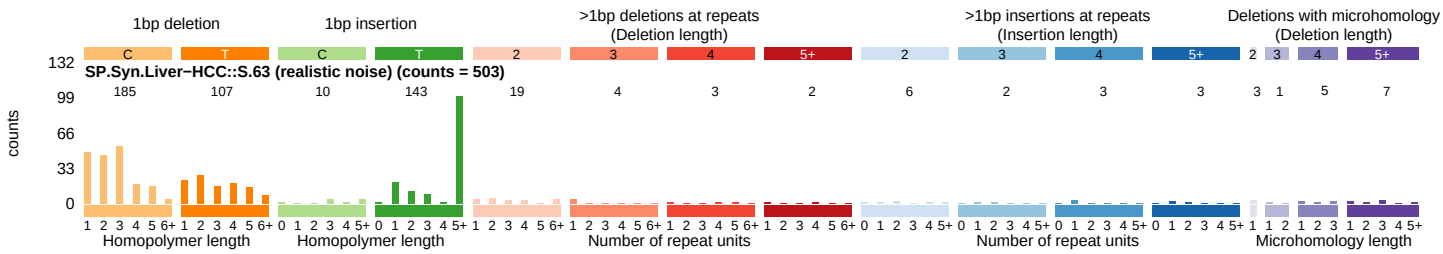
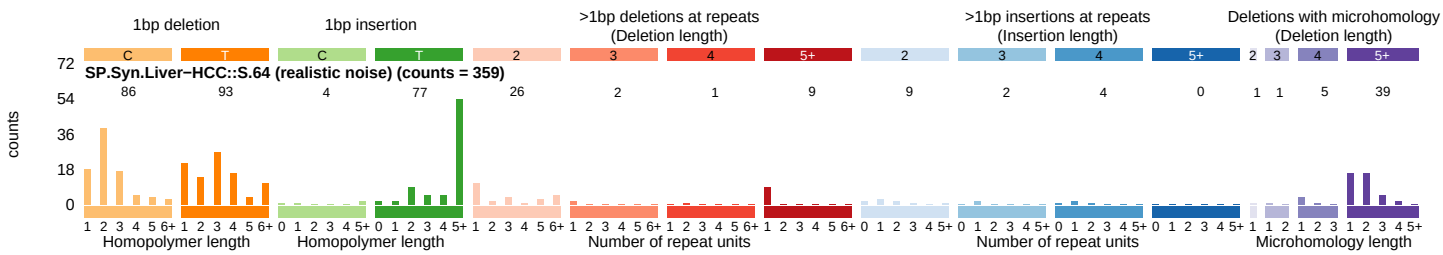
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.62 (realistic noise) (counts = 567)
111 119 7 125 27 14 3 40 12 6 1 4 9 5 6 78
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.63 (realistic noise) (counts = 503)
185 107 10 143 19 4 3 2 6 2 3 3 3 1 5 7
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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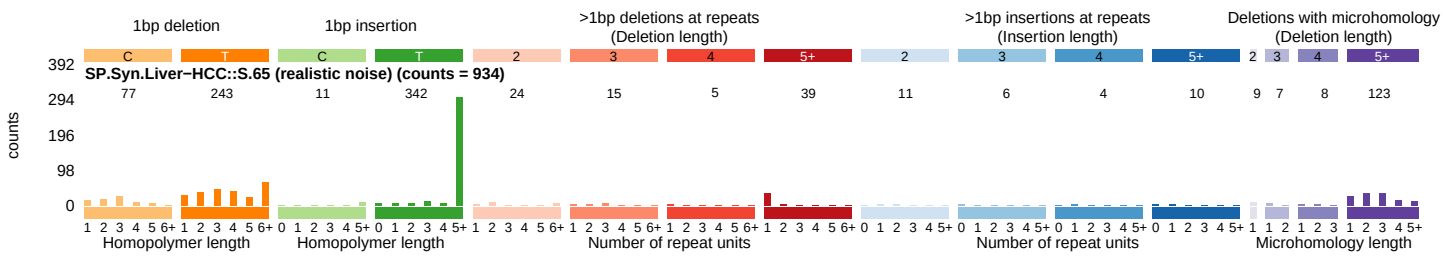
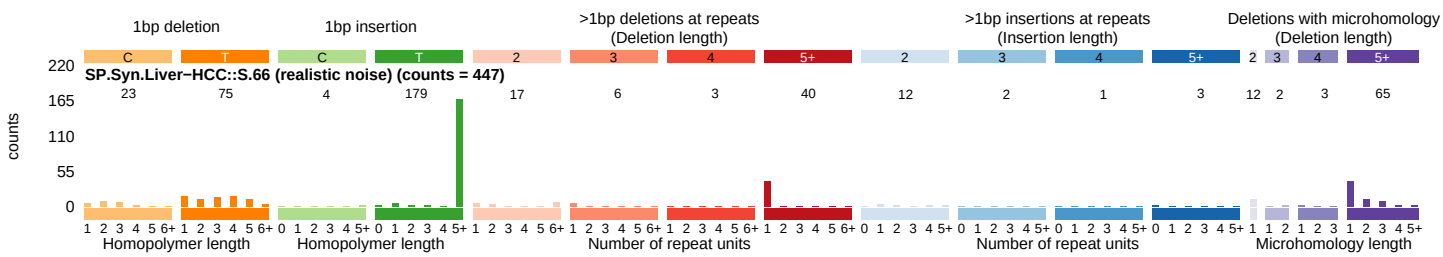
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.64 (realistic noise) (counts = 359)
86 93 4 77 26 2 1 9 9 2 4 0 1 1 5 39
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.65 (realistic noise) (counts = 934)
77 243 11 342 24 15 5 39 11 6 4 10 9 7 8 123
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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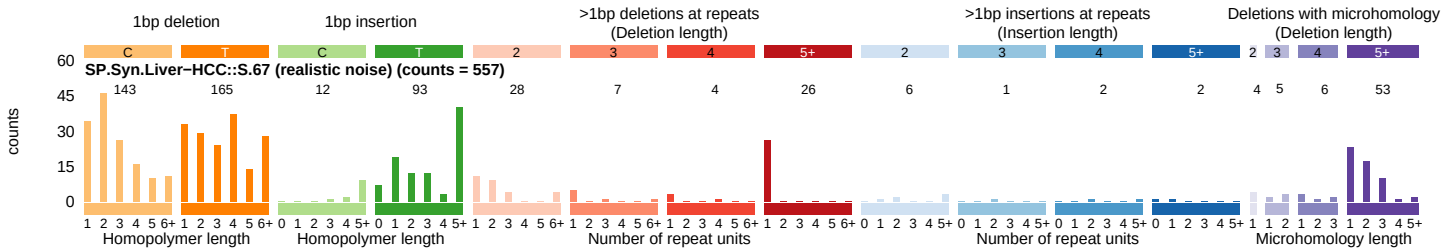
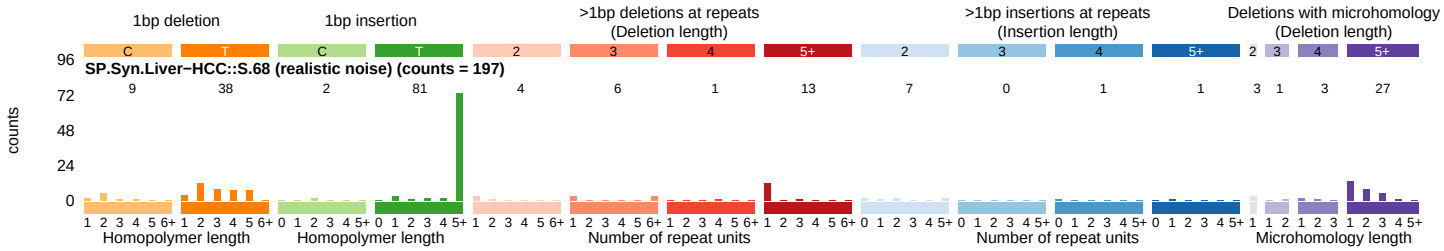
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.66 (realistic noise) (counts = 447)
23 75 4 179 17 6 3 40 12 2 1 3 12 2 3 65
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.67 (realistic noise) (counts = 557)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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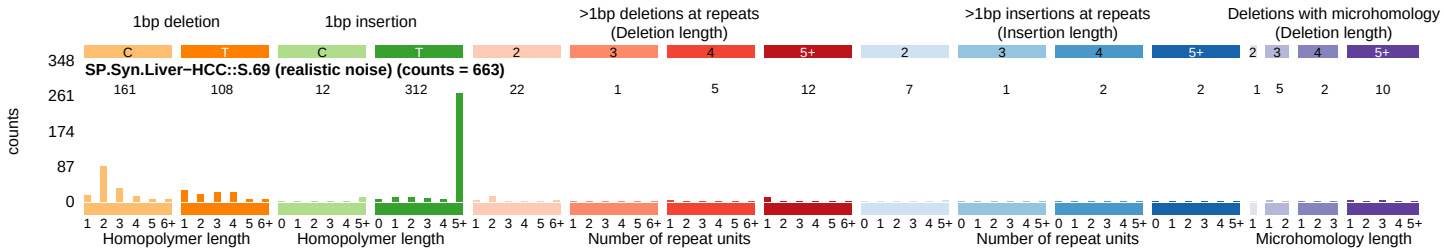
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.68 (realistic noise) (counts = 197)
counts
Homopolymer length
Number of repeat units
Microhomology length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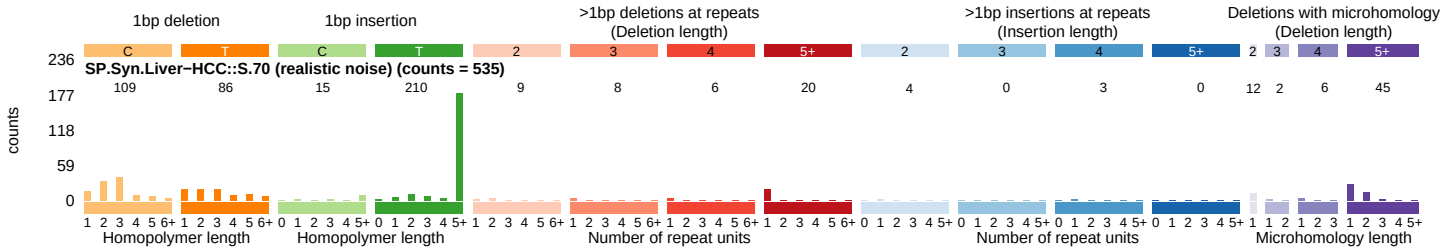
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.69 (realistic noise) (counts = 663)
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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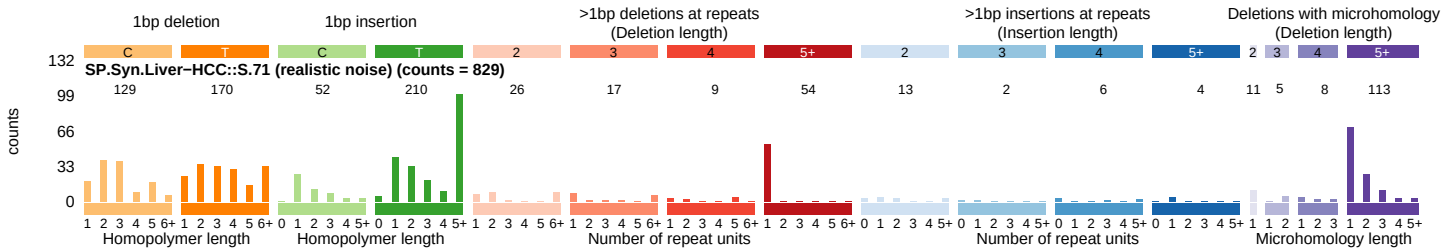
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.70 (realistic noise) (counts = 535)
counts
Homopolymer length
Number of repeat units
Microhomology length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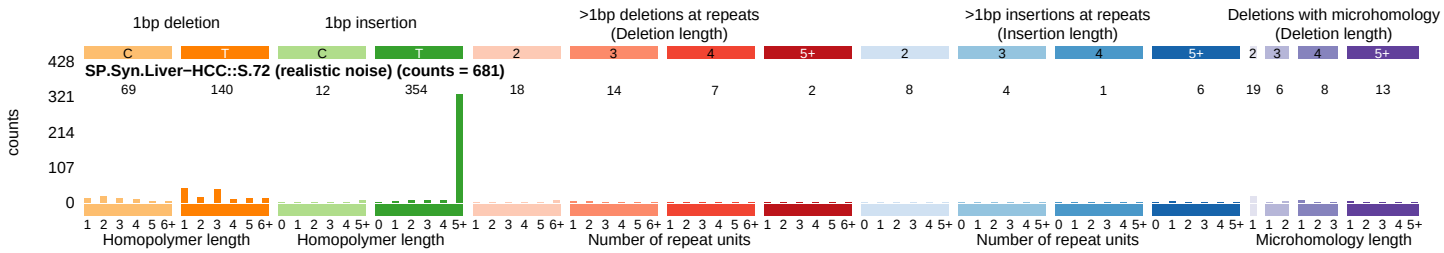
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.71 (realistic noise) (counts = 829)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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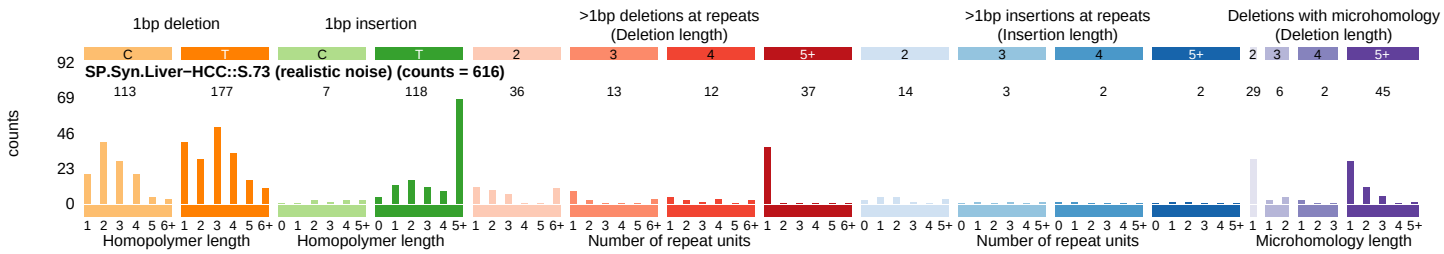
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.72 (realistic noise) (counts = 681)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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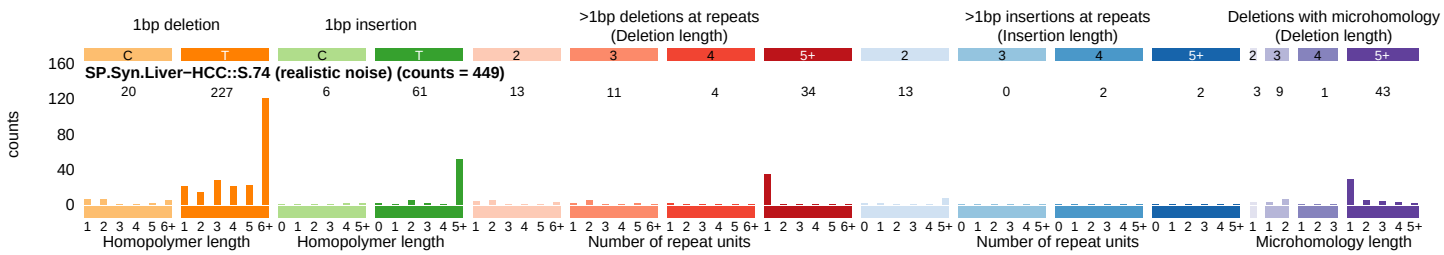
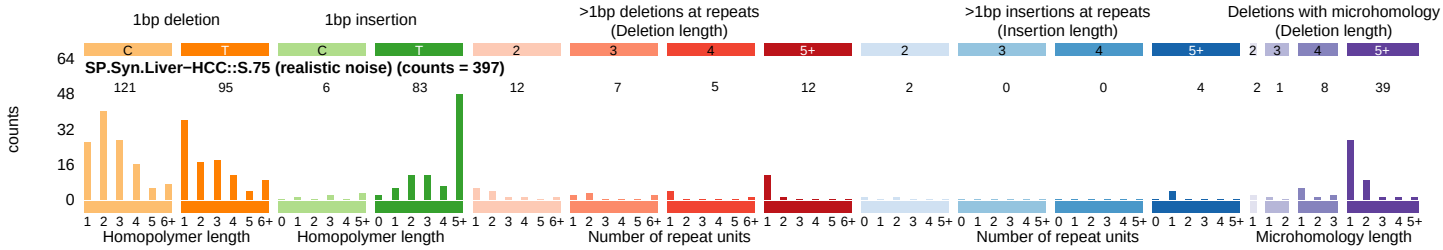
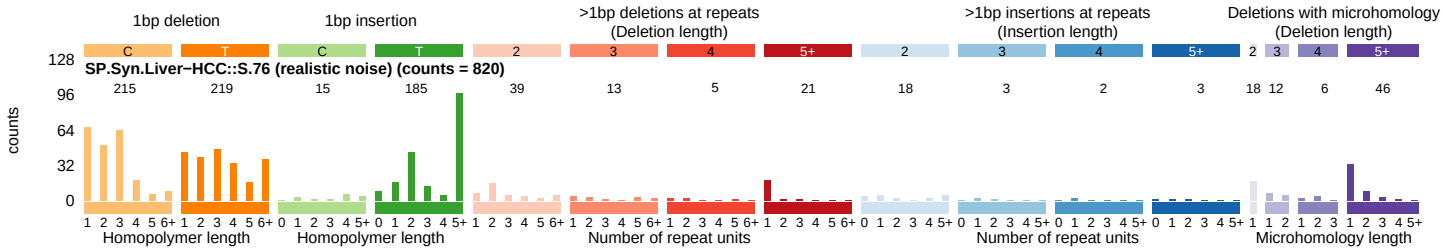
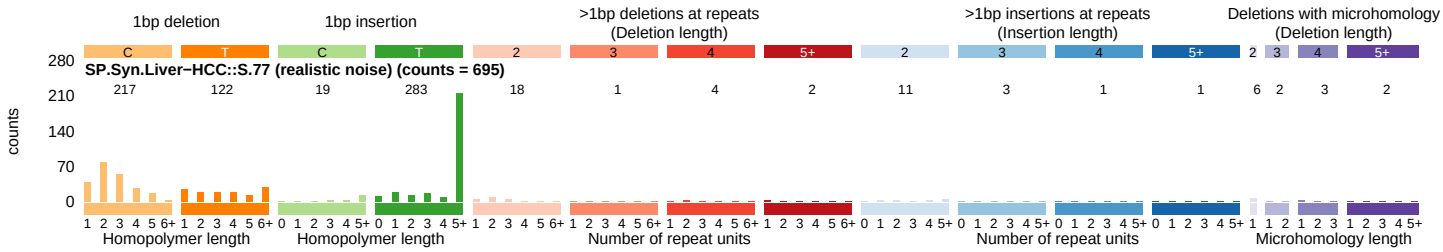
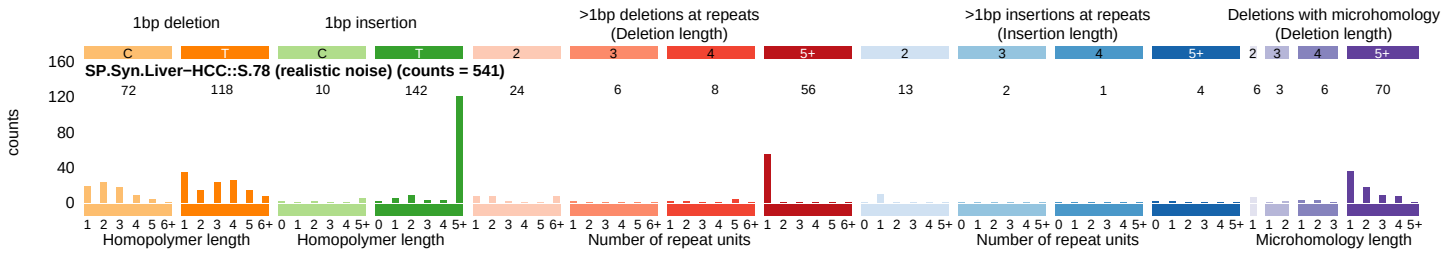
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.73 (realistic noise) (counts = 616)
counts
Homopolymer length
Number of repeat units
Microhomology length

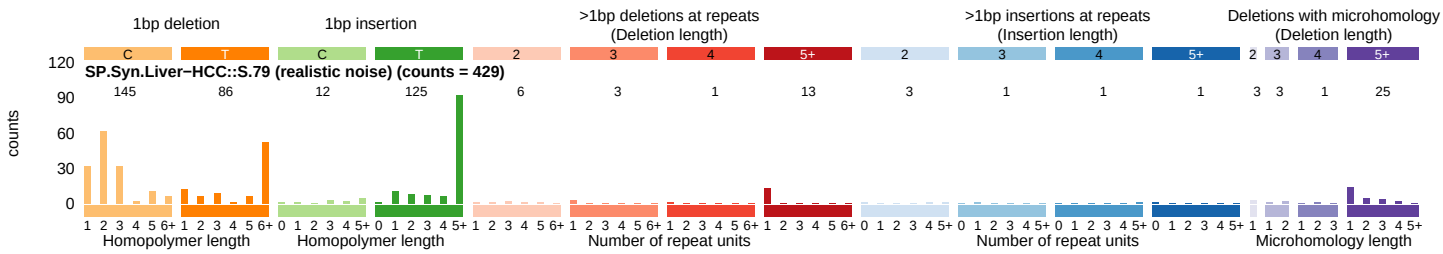

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.74 (realistic noise) (counts = 449)
counts
Homopolymer length
Number of repeat units
Microhomology length

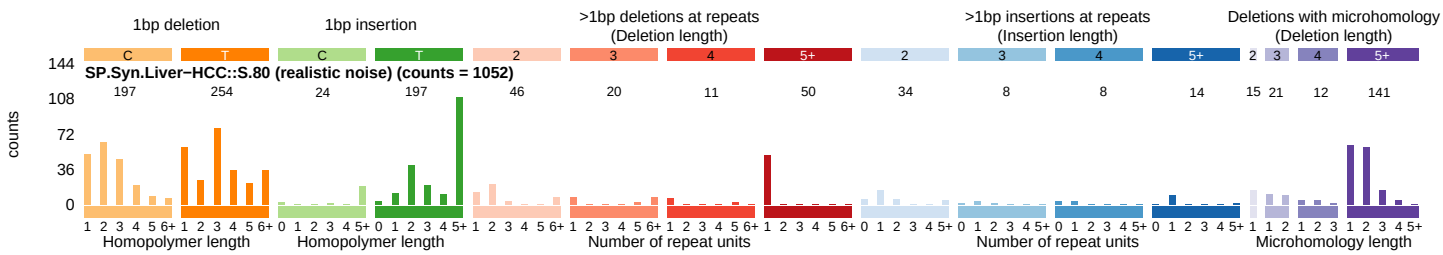

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.75 (realistic noise) (counts = 397)
121 95 6 83 12 7 5 12 2 0 0 4 2 1 8 39
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

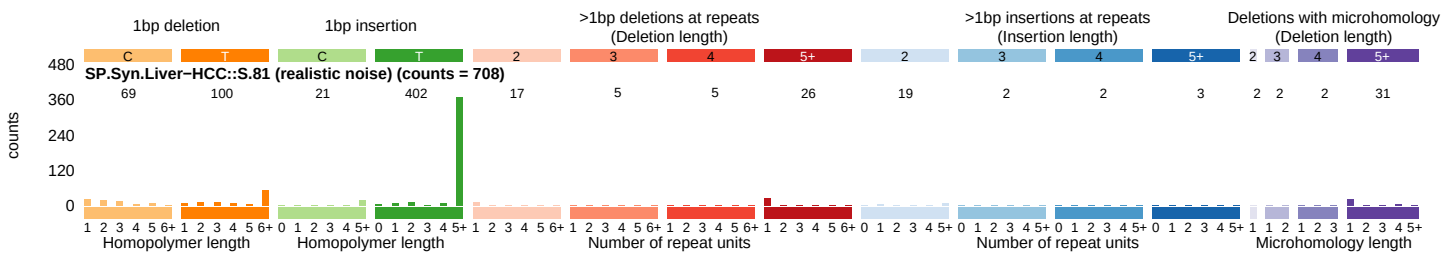

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.76 (realistic noise) (counts = 820)
215 219 15 185 39 13 5 21 18 3 2 3 18 12 6 46
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.77 (realistic noise) (counts = 695)
217 122 19 283 18 1 4 2 11 3 1 1 6 2 3 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.78 (realistic noise) (counts = 541)
72 118 10 142 24 6 8 56 13 2 1 4 6 3 6 70
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.79 (realistic noise) (counts = 429)
145 86 12 125 6 3 1 13 3 1 1 1 3 3 1 25
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.80 (realistic noise) (counts = 1052)
197 254 24 197 46 20 11 50 34 8 8 14 15 21 12 141
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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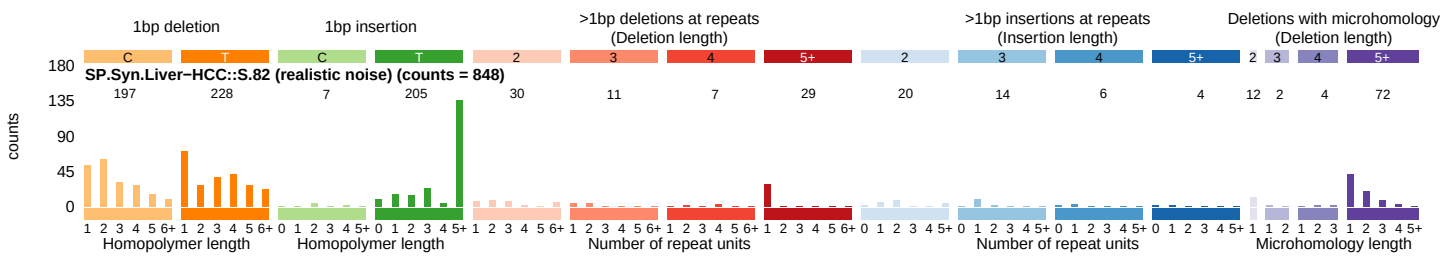
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.81 (realistic noise) (counts = 708)
69 100 21 402 17 5 5 26 19 2 2 3 2 2 2 31
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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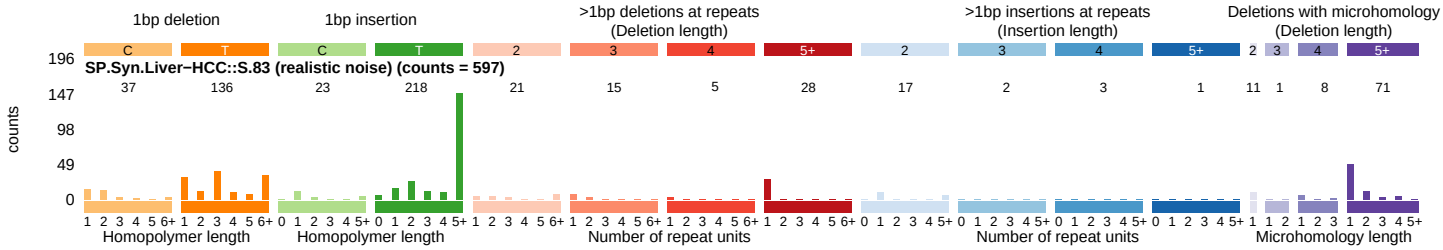
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.82 (realistic noise) (counts = 848)
197 228 7 205 30 11 7 29 20 14 6 4 12 2 4 72
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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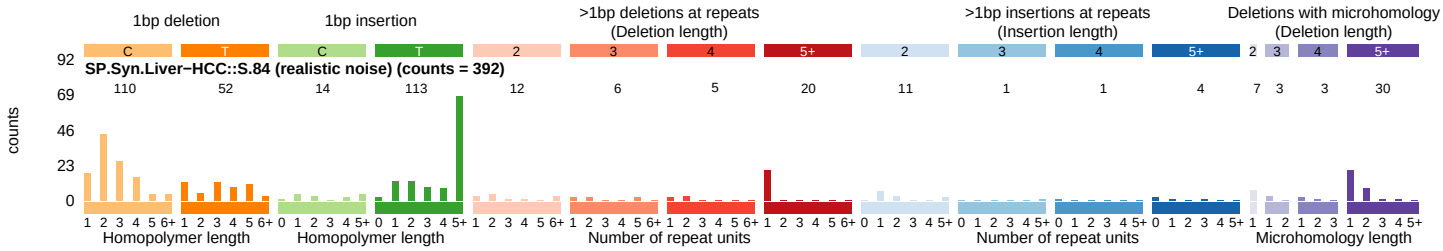
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.83 (realistic noise) (counts = 597)
counts
Homopolymer length
Number of repeat units
Microhomology length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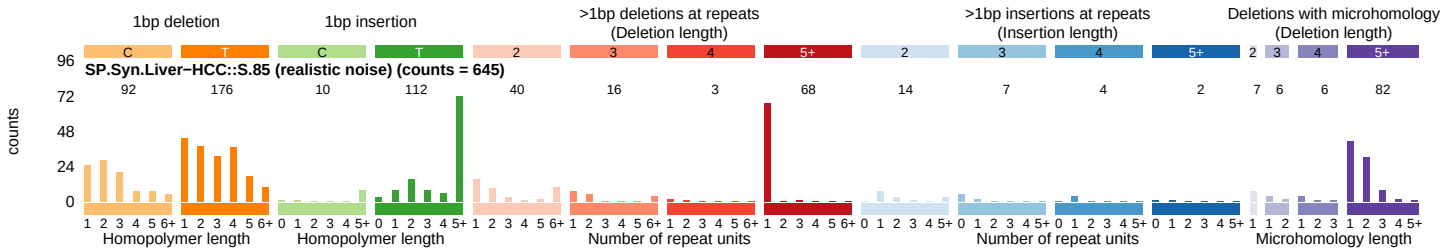
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.84 (realistic noise) (counts = 392)
counts
Homopolymer length
Number of repeat units
Microhomology length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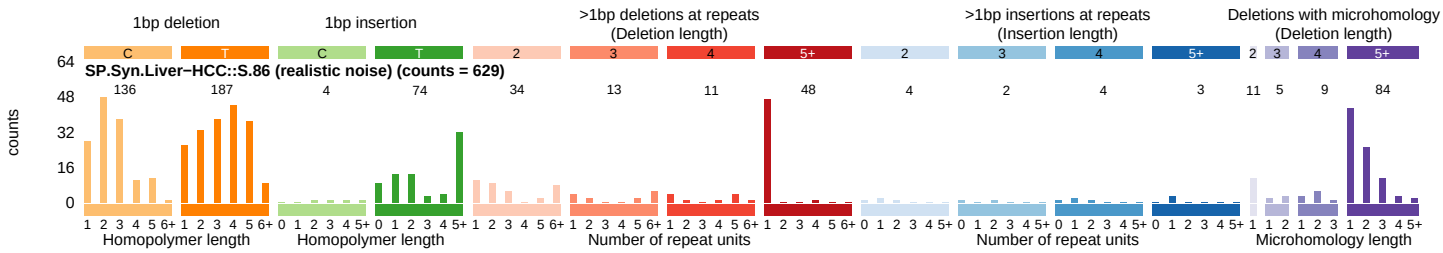
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.85 (realistic noise) (counts = 645)
counts
Homopolymer length
Number of repeat units
Microhomology length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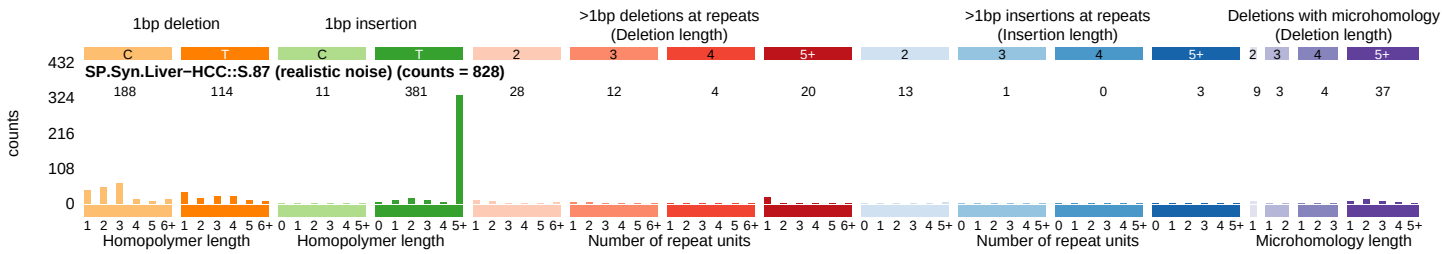
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.86 (realistic noise) (counts = 629)
counts
Homopolymer length
Number of repeat units
Microhomology length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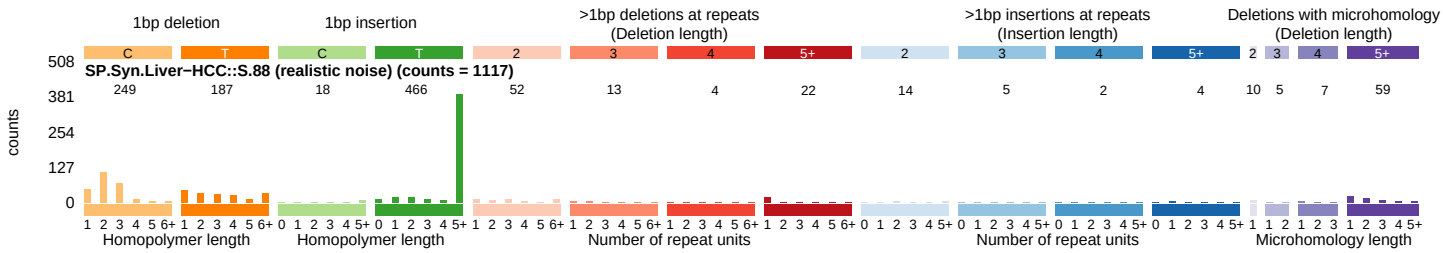
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.87 (realistic noise) (counts = 828)
counts
Homopolymer length
Number of repeat units
Microhomology length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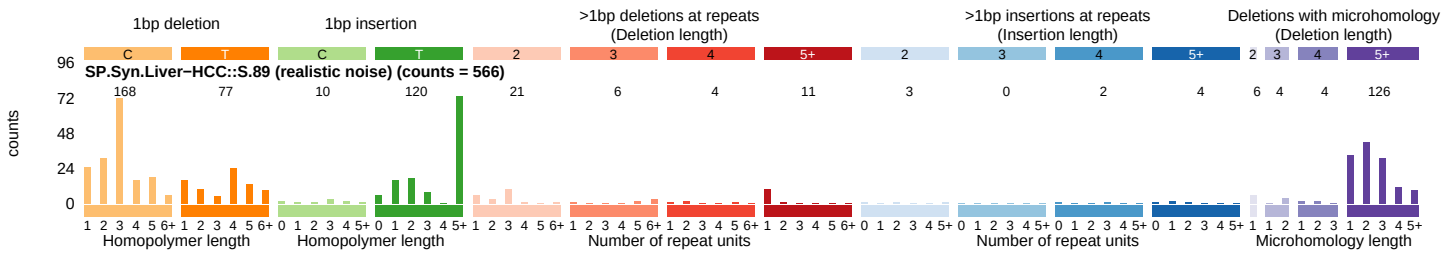
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.88 (realistic noise) (counts = 1117)
counts
Homopolymer length
Number of repeat units
Microhomology length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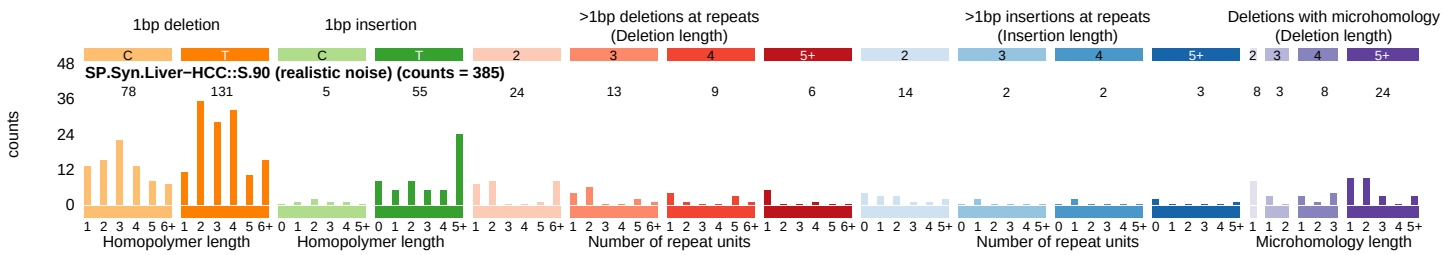
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.89 (realistic noise) (counts = 566)
counts
Homopolymer length
Number of repeat units
Microhomology length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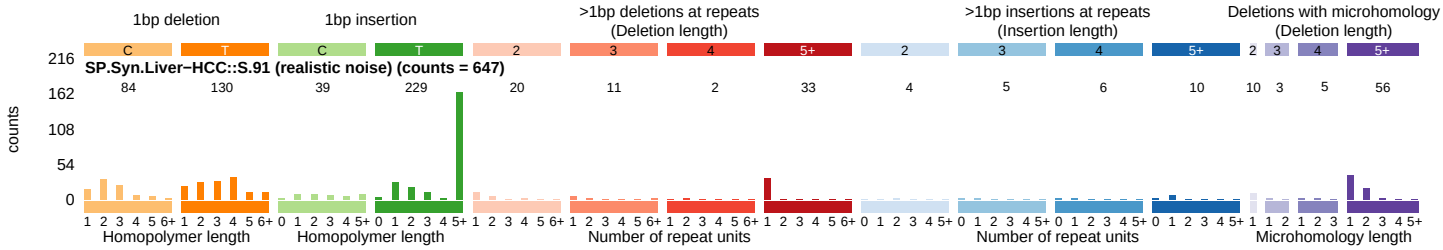
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.90 (realistic noise) (counts = 385)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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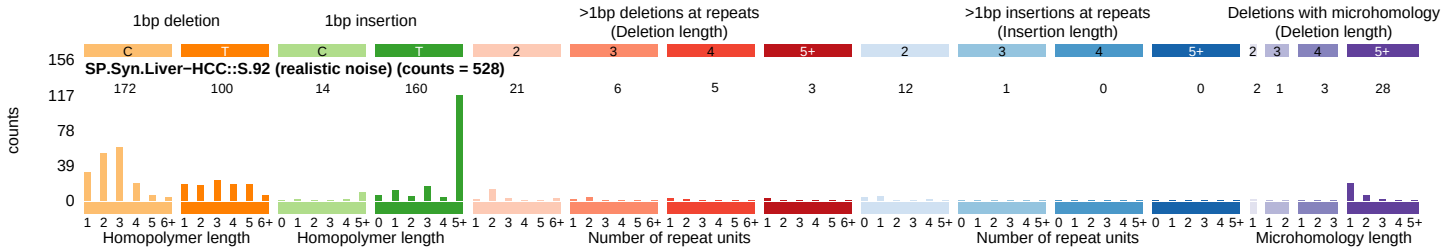
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.91 (realistic noise) (counts = 647)
84 130 39 229 20 11 2 33 4 5 6 10 10 3 5 56
counts
Homopolymer length
Number of repeat units
Microhomology length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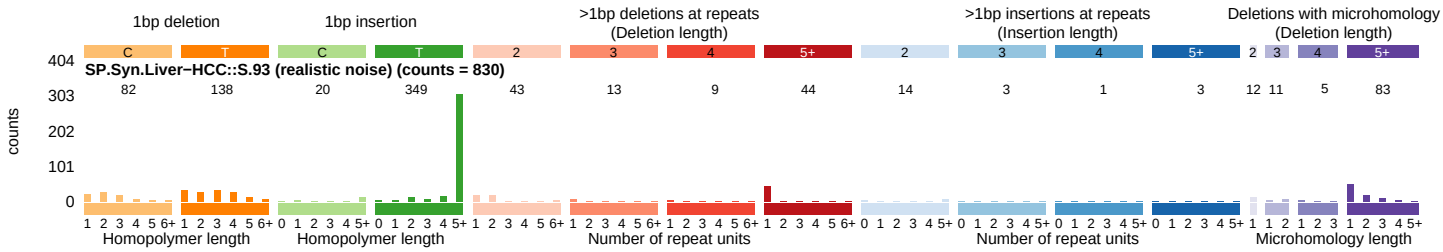
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.92 (realistic noise) (counts = 528)
172 100 14 160 21 6 5 3 12 1 0 0 2 1 3 28
counts
Homopolymer length
Number of repeat units
Microhomology length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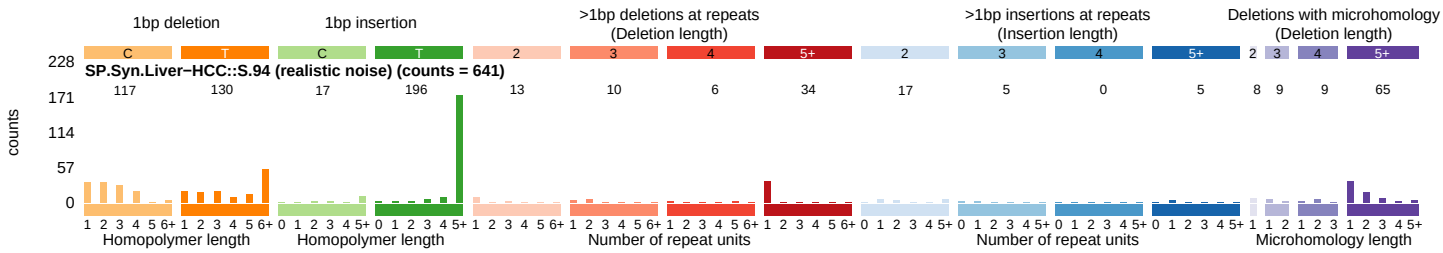
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.93 (realistic noise) (counts = 830)
82 138 20 349 43 13 9 44 14 3 1 3 12 11 5 83
counts
Homopolymer length
Number of repeat units
Microhomology length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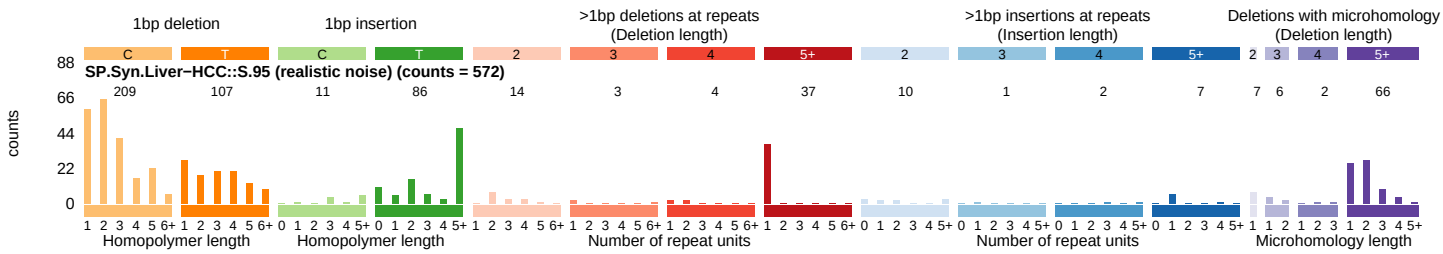
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.94 (realistic noise) (counts = 641)
117 130 17 196 13 10 6 34 17 5 0 5 8 9 9 65
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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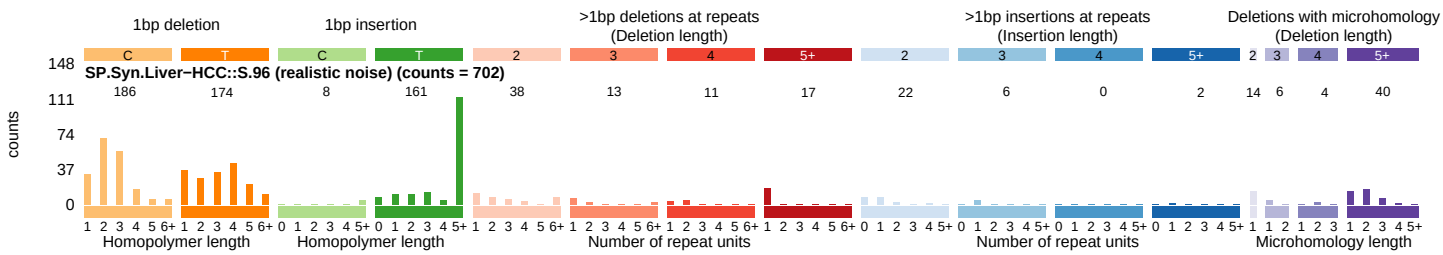
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.95 (realistic noise) (counts = 572)
209 107 11 86 14 3 4 37 10 1 2 7 7 6 2 66
counts
Homopolymer length
Number of repeat units
Microhomology length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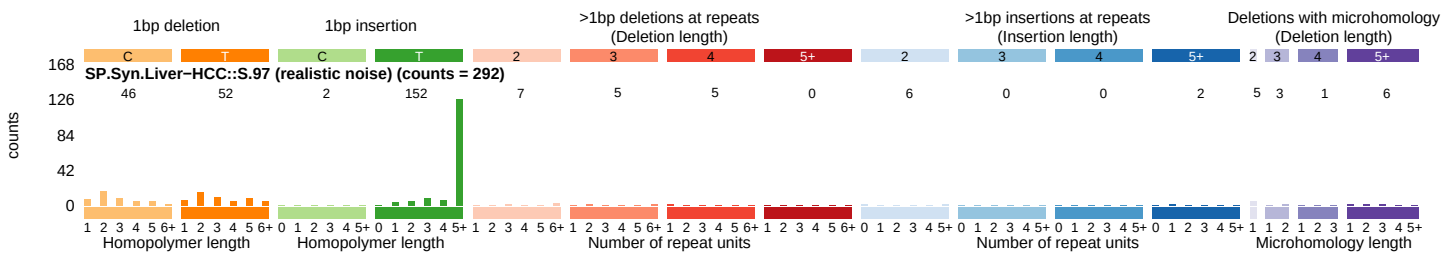
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.96 (realistic noise) (counts = 702)
186 174 8 161 38 13 11 17 22 6 0 2 14 6 4 40
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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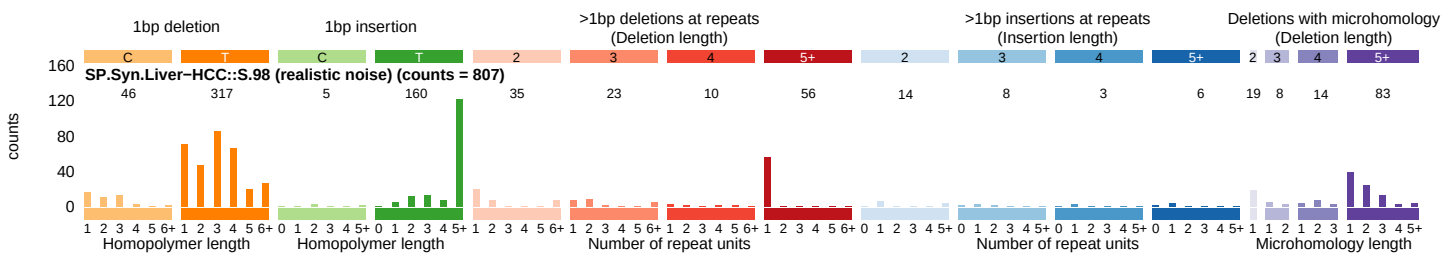
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.97 (realistic noise) (counts = 292)
46 52 2 152 7 5 5 0 6 0 0 2 5 3 1 6
counts
Homopolymer length
Number of repeat units
Microhomology length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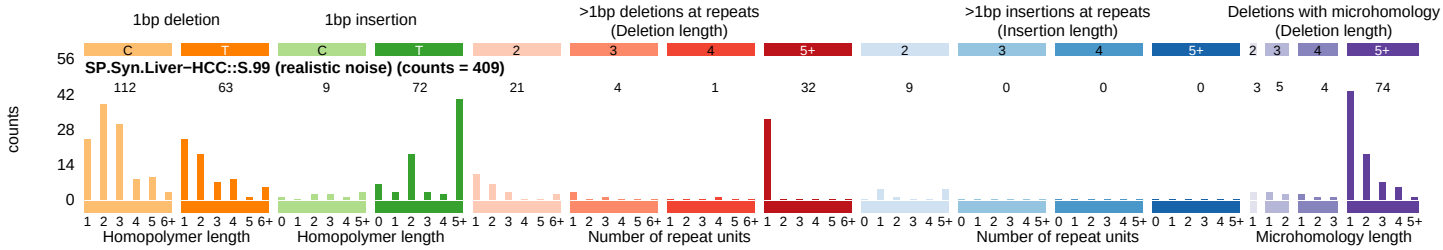
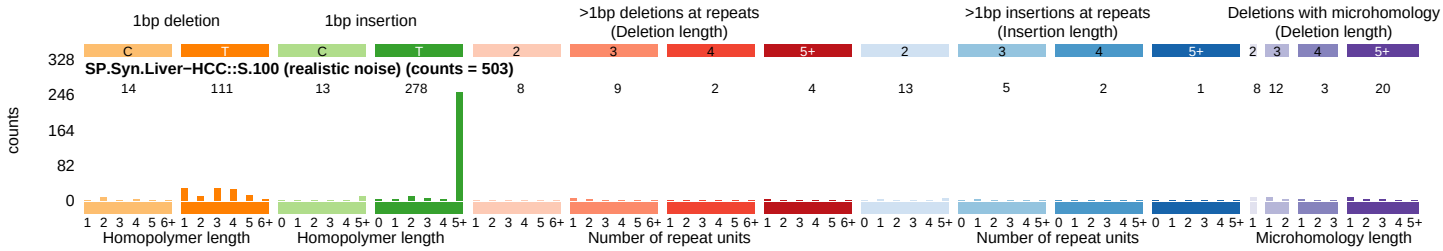
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.98 (realistic noise) (counts = 807)
46 317 5 160 35 23 10 56 14 8 3 6 19 8 14 83
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.99 (realistic noise) (counts = 409)
112 63 9 72 21 4 1 32 9 0 0 0 3 5 4 74
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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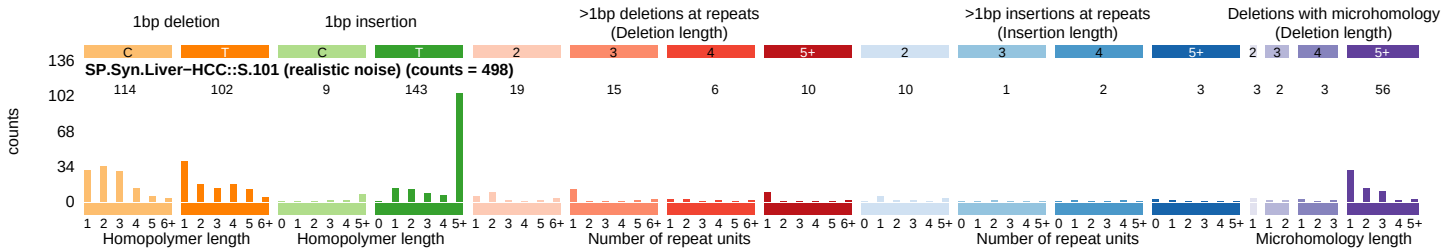
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.100 (realistic noise) (counts = 503)
14 111 13 278 8 9 2 4 13 5 2 1 8 12 3 20
counts
Homopolymer length
Number of repeat units
Microhomology length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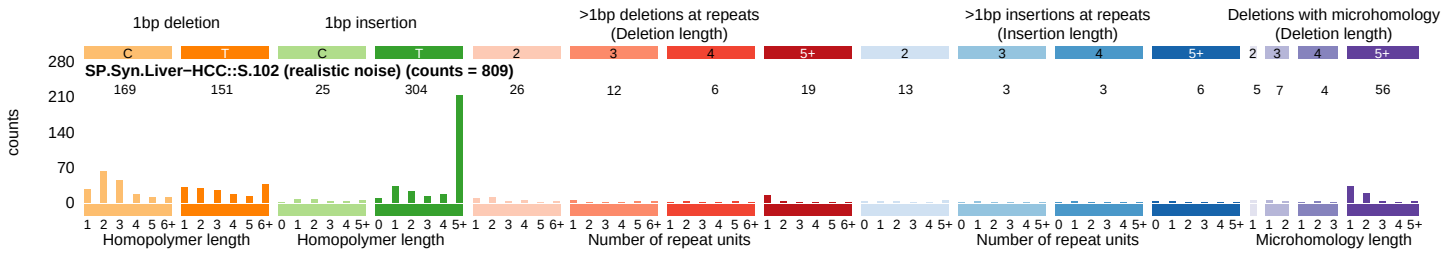
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.101 (realistic noise) (counts = 498)
114 102 9 143 19 15 6 10 10 1 2 3 3 2 3 56
counts
Homopolymer length
Number of repeat units
Microhomology length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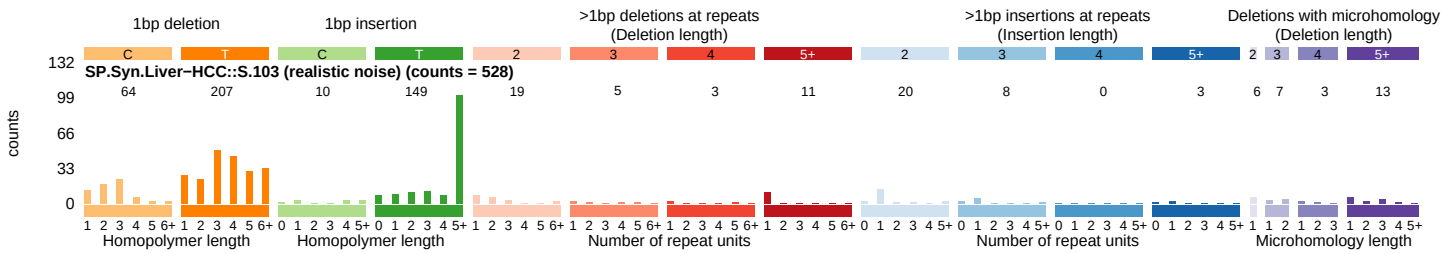
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.102 (realistic noise) (counts = 809)
169 151 25 304 26 12 6 19 13 3 3 6 5 7 4 56
counts
Homopolymer length
Number of repeat units
Microhomology length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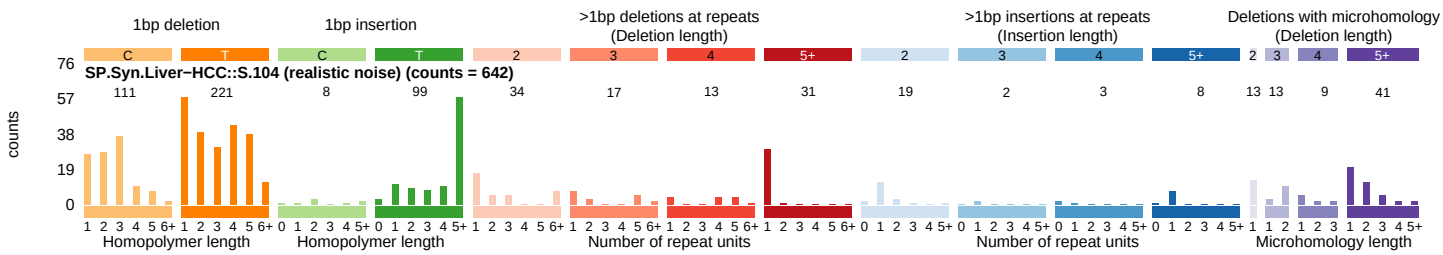
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.103 (realistic noise) (counts = 528)
64 207 10 149 19 5 3 11 20 8 0 3 6 7 3 13
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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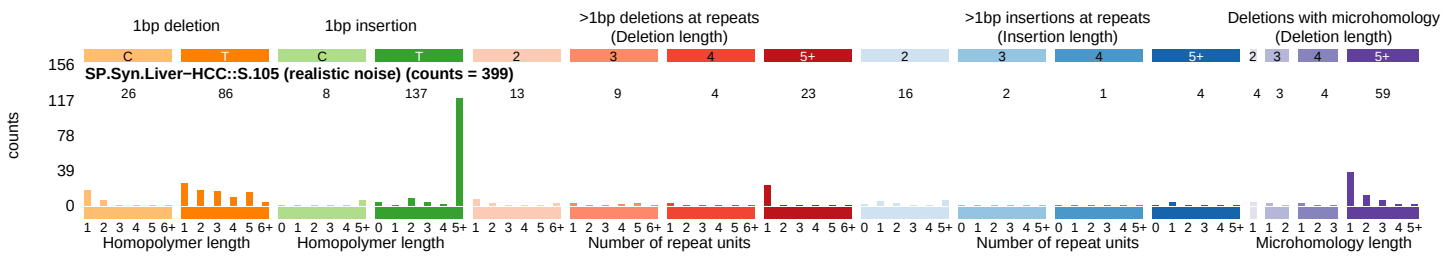
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.104 (realistic noise) (counts = 642)
111 221 8 99 34 17 13 31 19 2 3 8 13 13 9 41
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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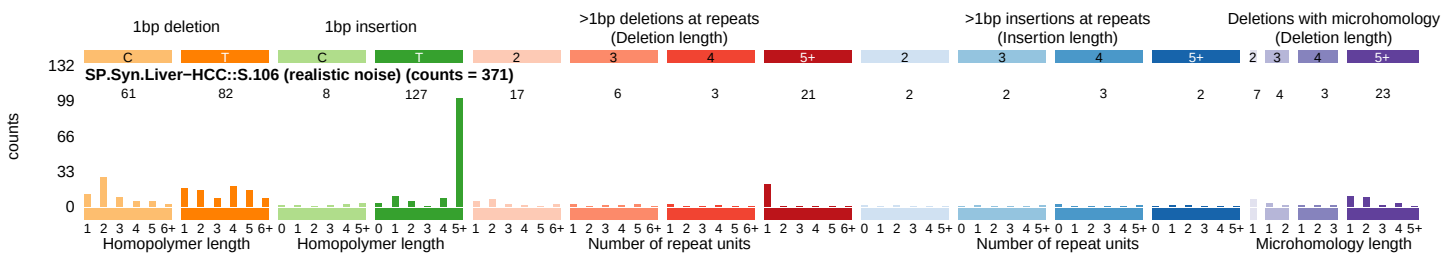
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.105 (realistic noise) (counts = 399)
26 86 8 137 13 9 4 23 16 2 1 4 4 3 4 59
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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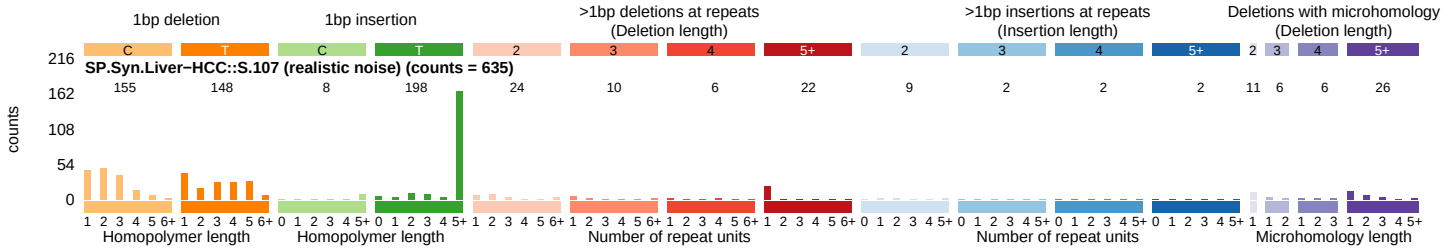
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.106 (realistic noise) (counts = 371)
61 82 8 127 17 6 3 21 2 2 3 2 7 4 3 23
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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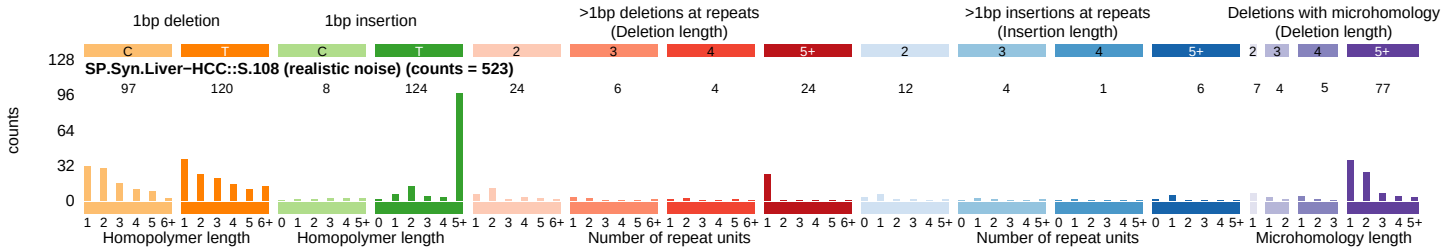
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.107 (realistic noise) (counts = 635)
155 148 8 198 24 10 6 22 9 2 2 2 11 6 6 26
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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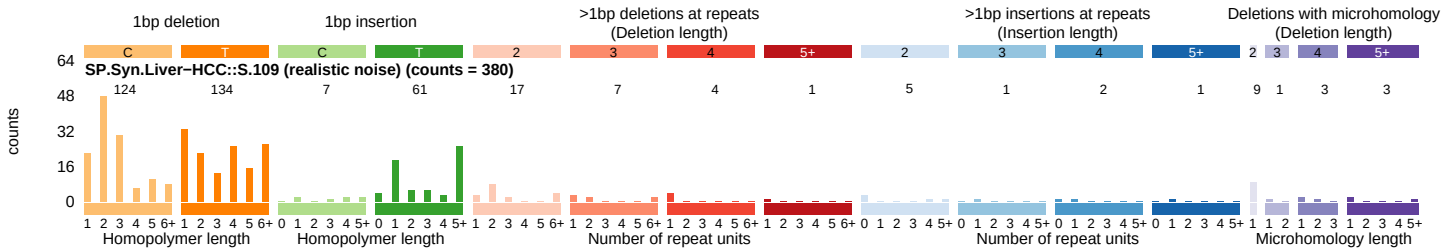
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.108 (realistic noise) (counts = 523)
97 120 8 124 24 6 4 24 12 4 1 6 7 4 5 77
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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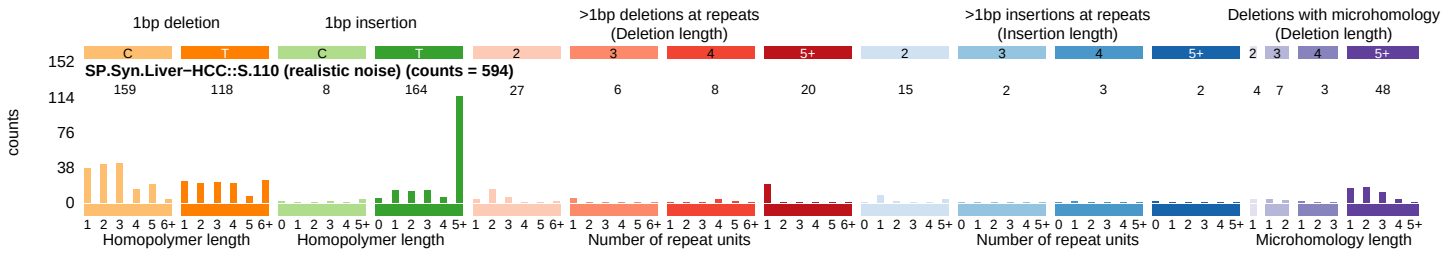
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.109 (realistic noise) (counts = 380)
124 134 7 61 17 7 4 1 5 1 2 1 9 1 3 3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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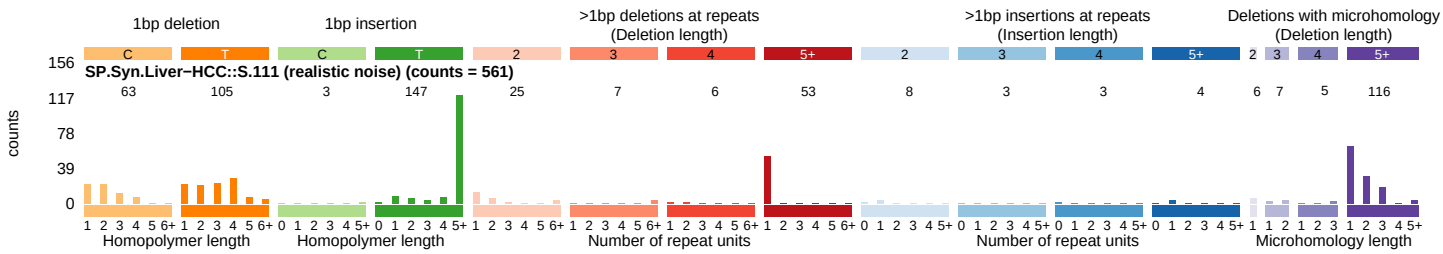
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.110 (realistic noise) (counts = 594)
159 118 8 164 27 6 8 20 15 2 3 2 4 7 3 48
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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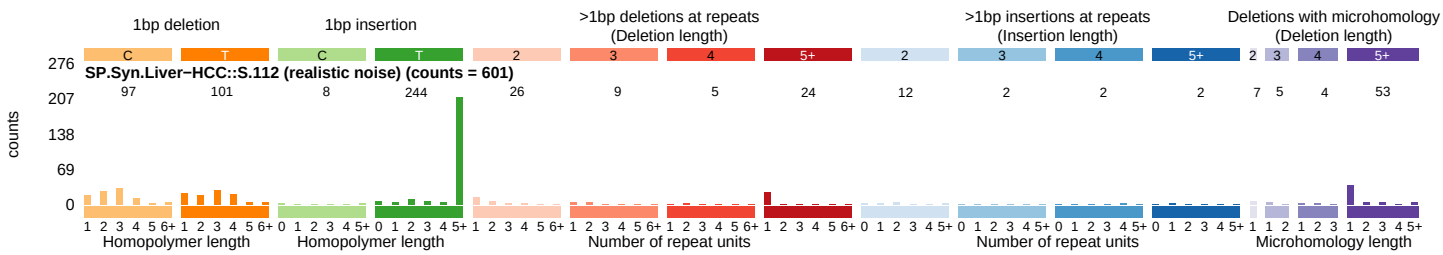
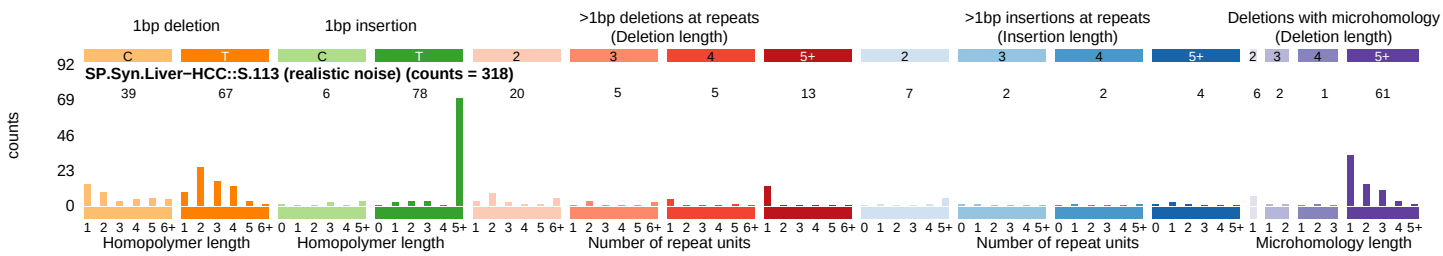
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.111 (realistic noise) (counts = 561)
63 105 3 147 25 7 6 53 8 3 3 4 6 7 5 116
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.112 (realistic noise) (counts = 601)
97 101 8 244 26 9 5 24 12 2 2 2 7 5 4 53
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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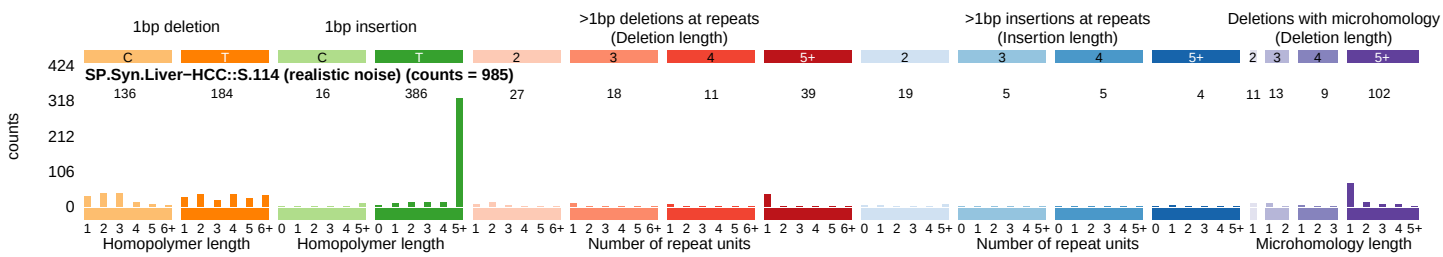
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.113 (realistic noise) (counts = 318)
39 67 6 78 20 5 5 13 7 2 2 4 6 2 1 61
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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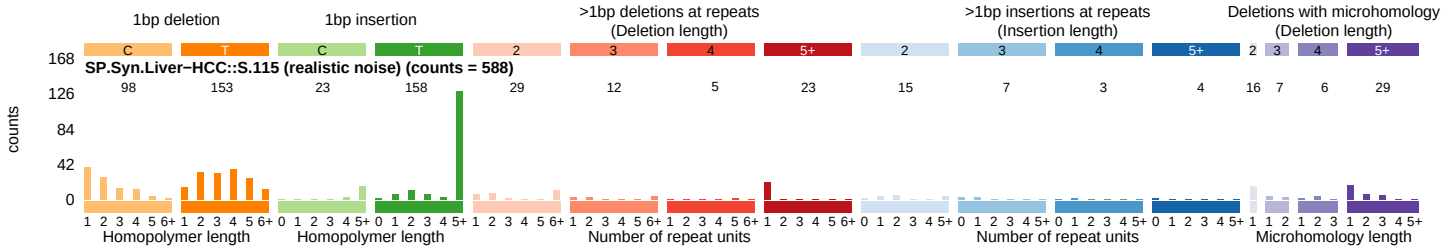
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.114 (realistic noise) (counts = 985)
136 184 16 386 27 18 11 39 19 5 5 4 11 13 9 102
counts
Homopolymer length
Number of repeat units
Microhomology length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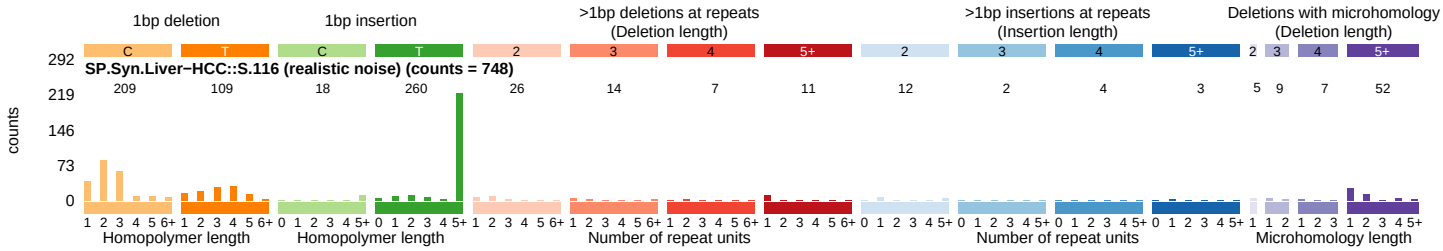
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.115 (realistic noise) (counts = 588)
counts
Homopolymer length
Number of repeat units
Microhomology length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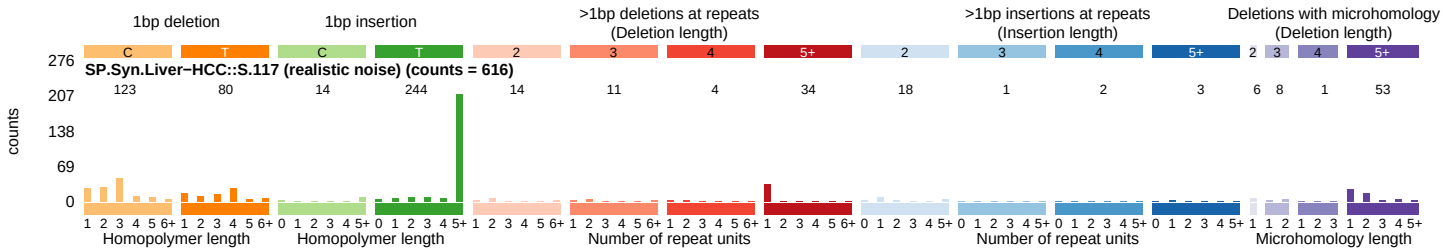
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.116 (realistic noise) (counts = 748)
counts
Homopolymer length
Number of repeat units
Microhomology length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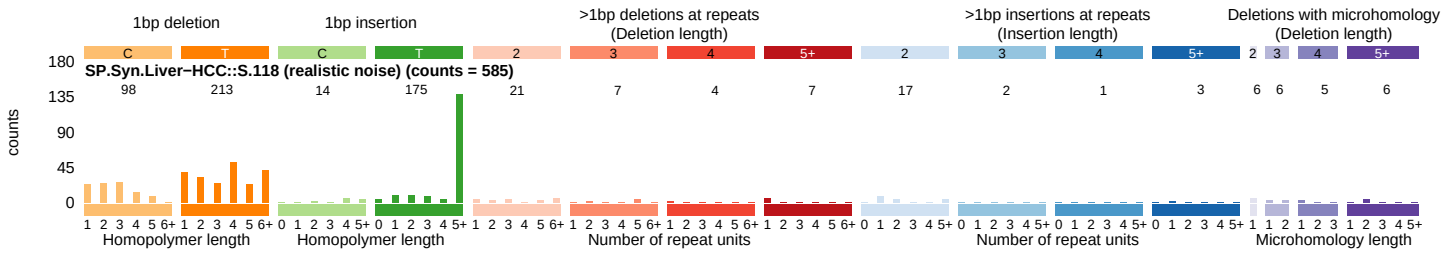
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.117 (realistic noise) (counts = 616)
counts
Homopolymer length
Number of repeat units
Microhomology length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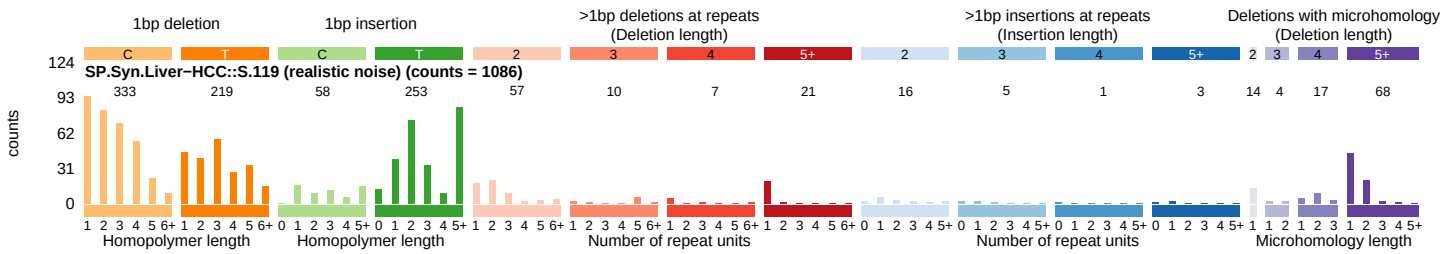
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.118 (realistic noise) (counts = 585)
counts
Homopolymer length
Number of repeat units
Microhomology length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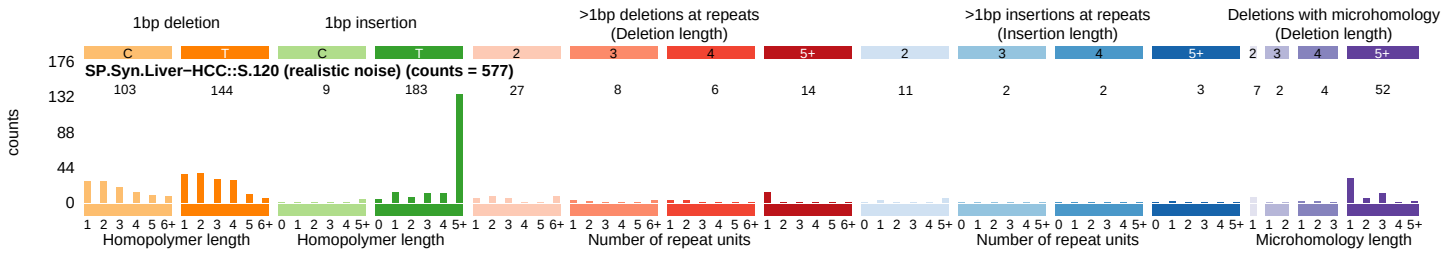
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.119 (realistic noise) (counts = 1086)
counts
Homopolymer length
Number of repeat units
Microhomology length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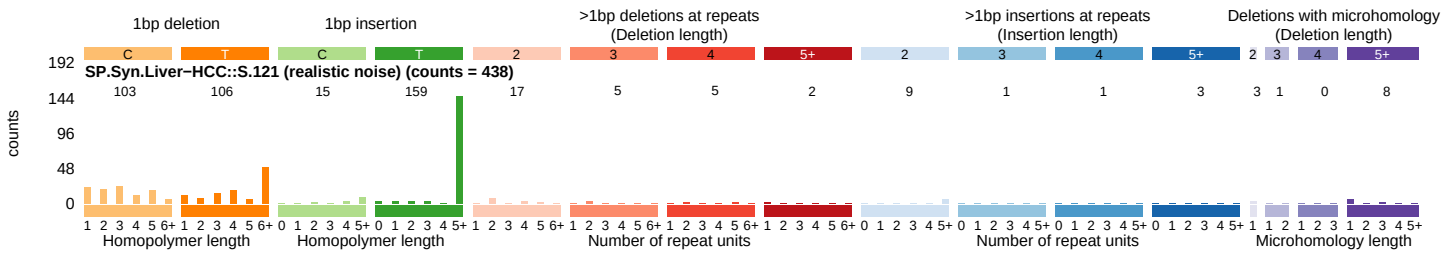
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.120 (realistic noise) (counts = 577)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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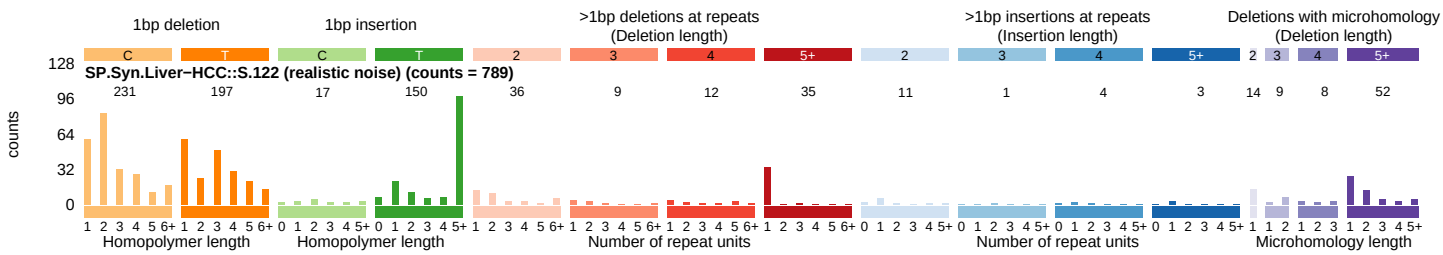
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.121 (realistic noise) (counts = 438)
counts
Homopolymer length
Number of repeat units
Microhomology length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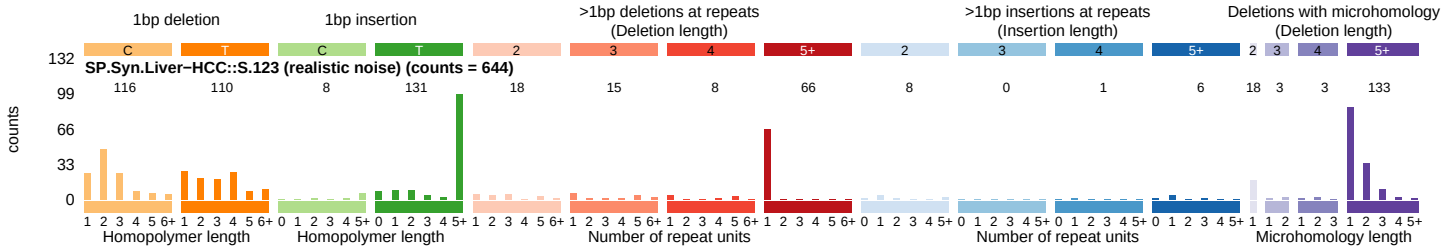
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.122 (realistic noise) (counts = 789)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
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>1bp deletions at repeats (Deletion length)
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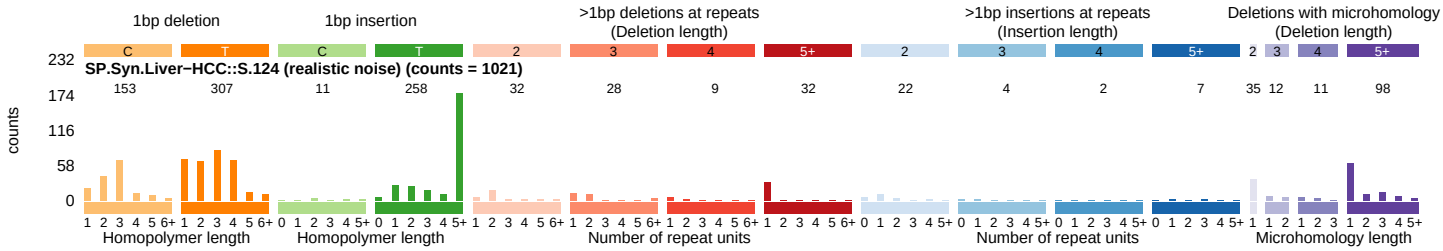
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.123 (realistic noise) (counts = 644)
116 110 8 131 18 15 8 66 8 0 1 6 18 3 3 133
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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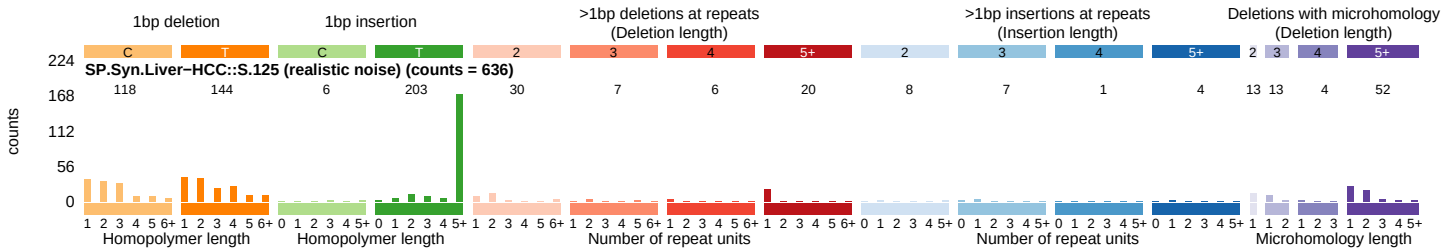
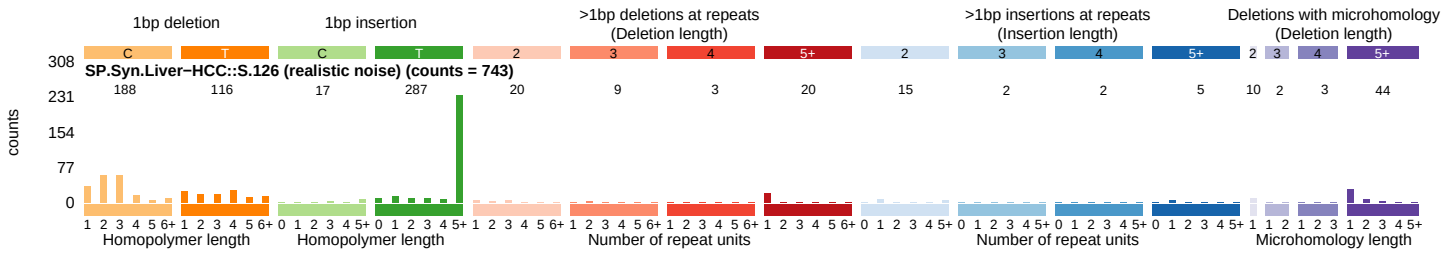
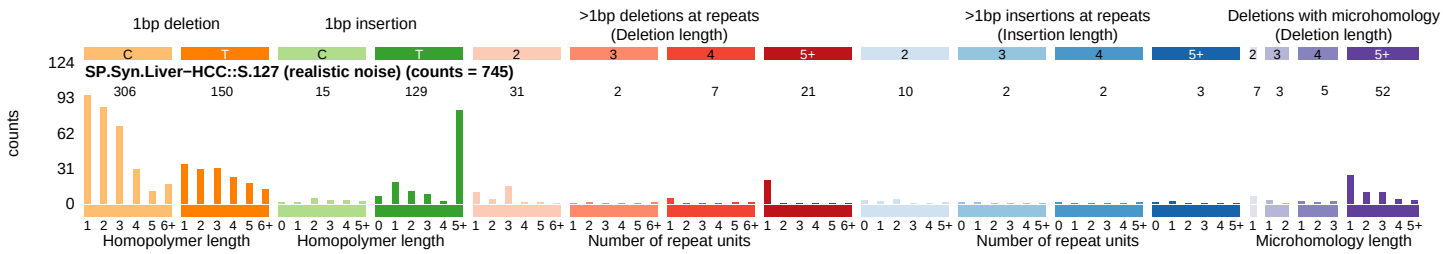
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.124 (realistic noise) (counts = 1021)
153 307 11 258 32 28 9 32 22 4 2 7 35 12 11 98
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.125 (realistic noise) (counts = 636)
118 144 6 203 30 7 6 20 8 7 1 4 13 13 4 52
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.126 (realistic noise) (counts = 743)
188 116 17 287 20 9 3 20 15 2 2 5 10 2 3 44
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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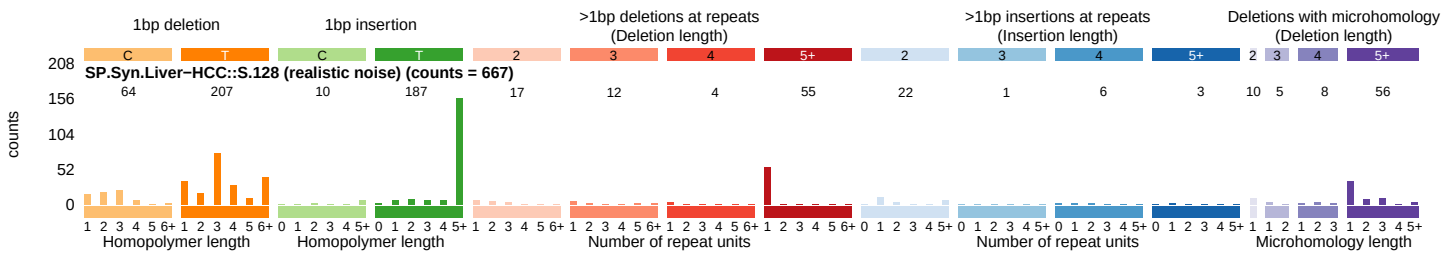
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.127 (realistic noise) (counts = 745)
306 150 15 129 31 2 7 21 10 2 2 3 7 3 5 52
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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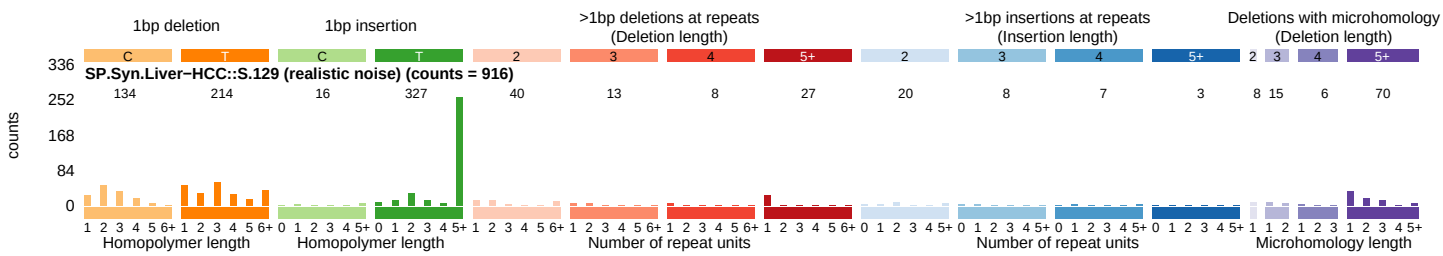
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.128 (realistic noise) (counts = 667)
64 207 10 187 17 12 4 55 22 1 6 3 10 5 8 56
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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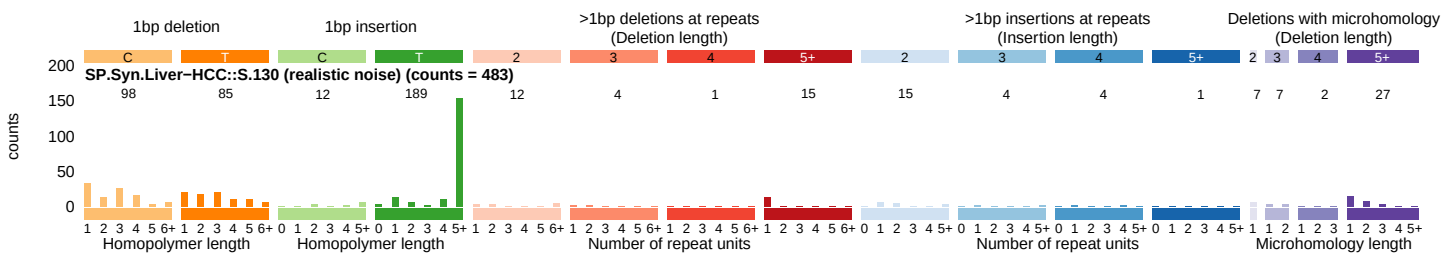
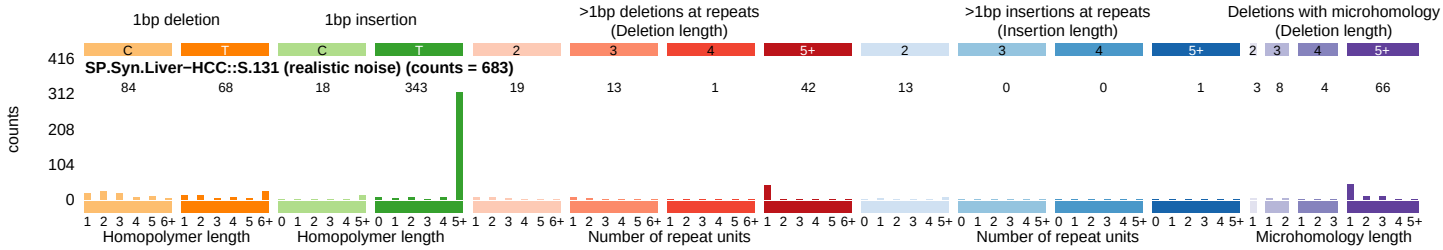
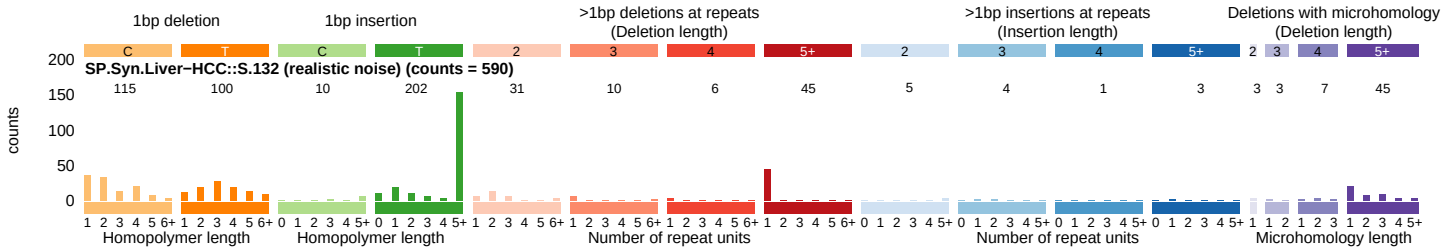
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.129 (realistic noise) (counts = 916)
134 214 16 327 40 13 8 27 20 8 7 3 8 15 6 70
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.130 (realistic noise) (counts = 483)
98 85 12 189 12 4 1 15 15 4 4 1 7 7 2 27
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.131 (realistic noise) (counts = 683)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
84 68 18 343 19 13 1 42 13 0 0 1 3 8 4 66
counts
416 312 208 104 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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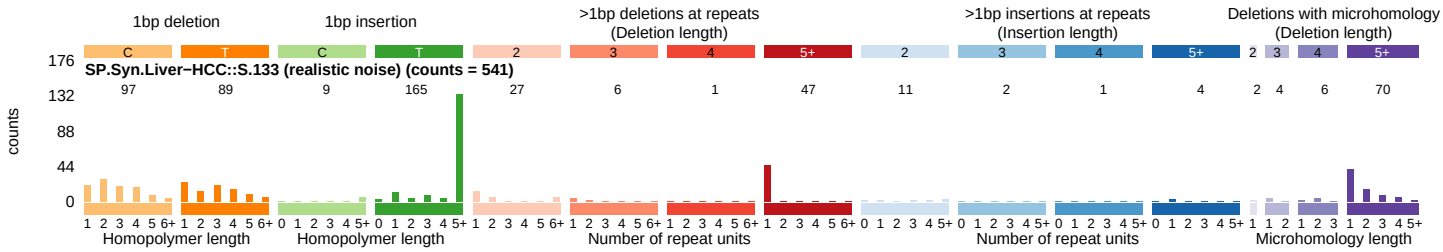
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.132 (realistic noise) (counts = 590)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
115 100 10 202 31 10 6 45 5 4 1 3 3 3 7 45
counts
200 150 100 50 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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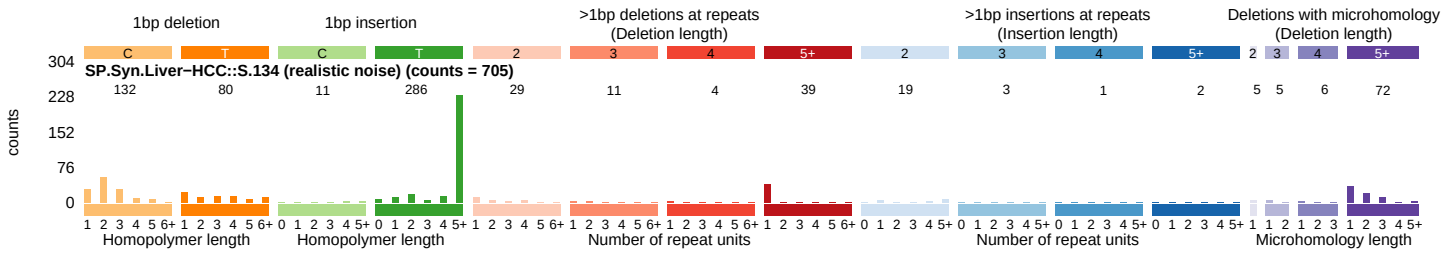
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.133 (realistic noise) (counts = 541)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
97 89 9 165 27 6 1 47 11 2 1 4 2 4 6 70
counts
176 132 88 44 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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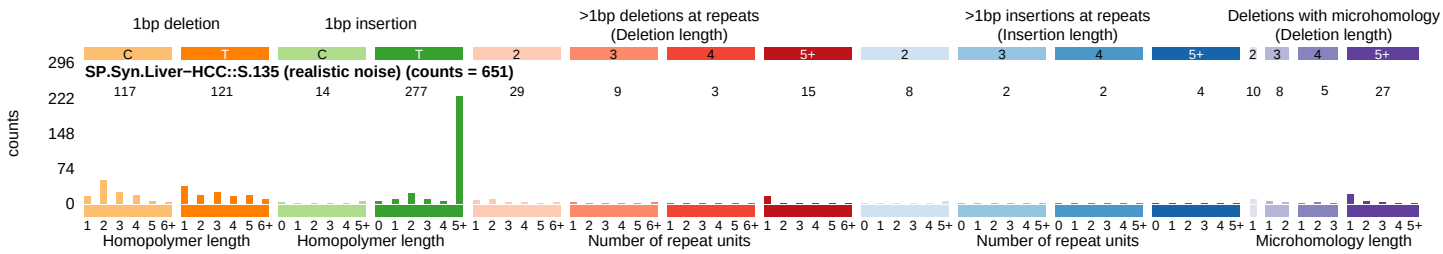
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.134 (realistic noise) (counts = 705)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
132 80 11 286 29 11 4 39 19 3 1 2 5 5 6 72
counts
304 228 152 76 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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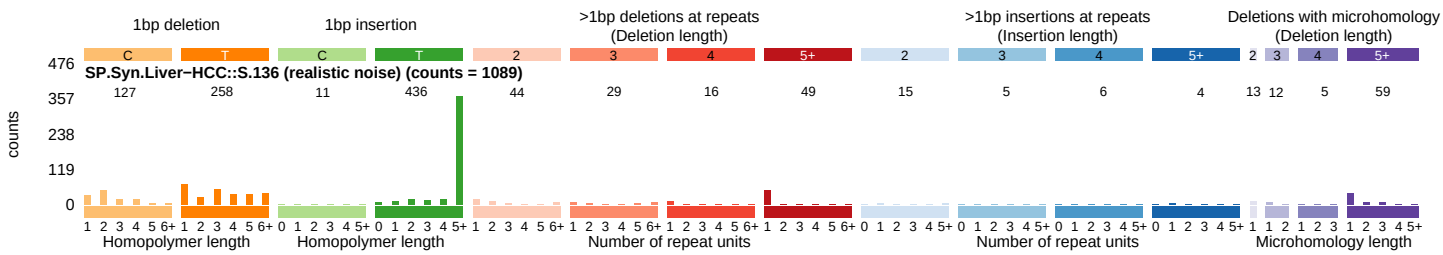
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.135 (realistic noise) (counts = 651)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
117 121 14 277 29 9 3 15 8 2 2 4 10 8 5 27
counts
296 222 148 74 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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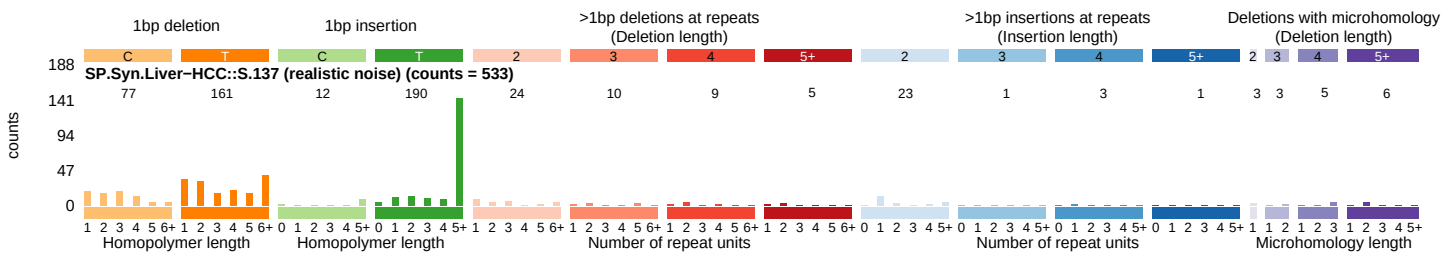
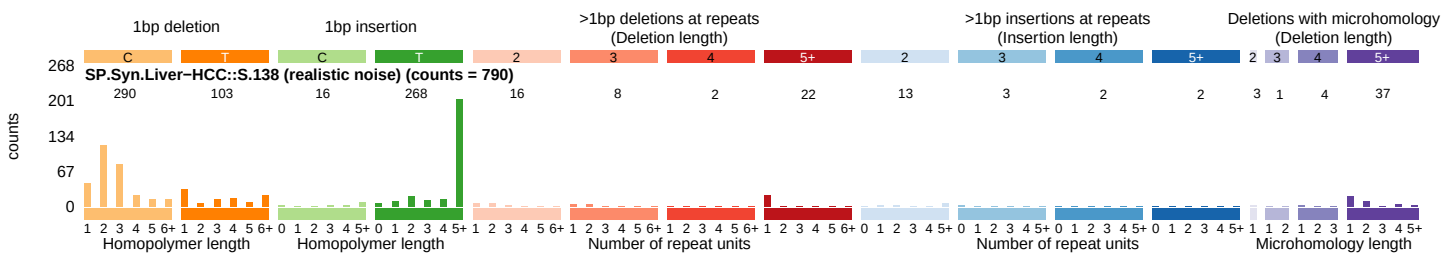
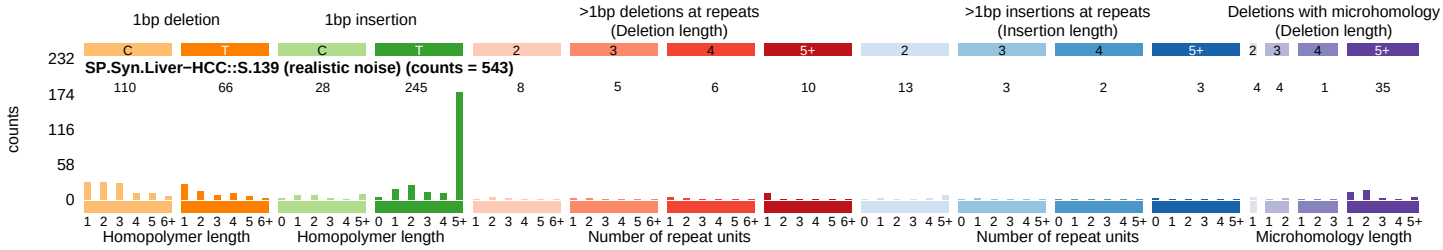
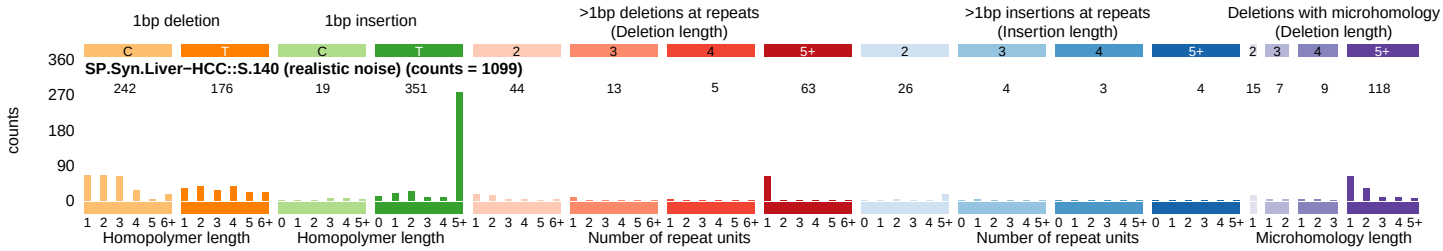
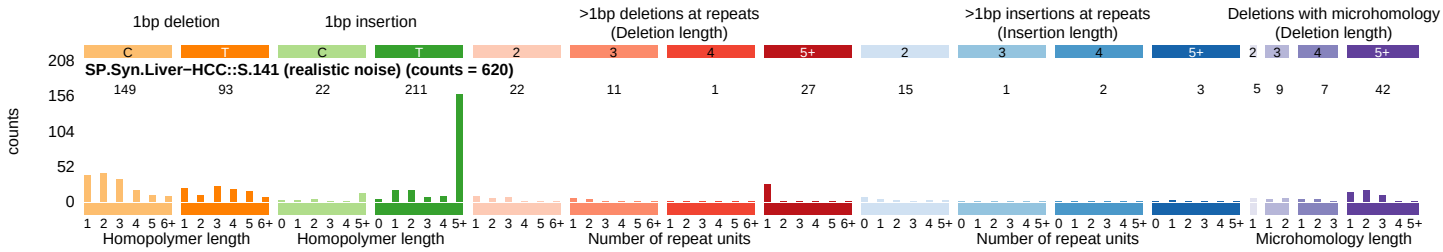
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.136 (realistic noise) (counts = 1089)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
127 258 11 436 44 29 16 49 15 5 6 4 13 12 5 59
counts
476 357 238 119 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

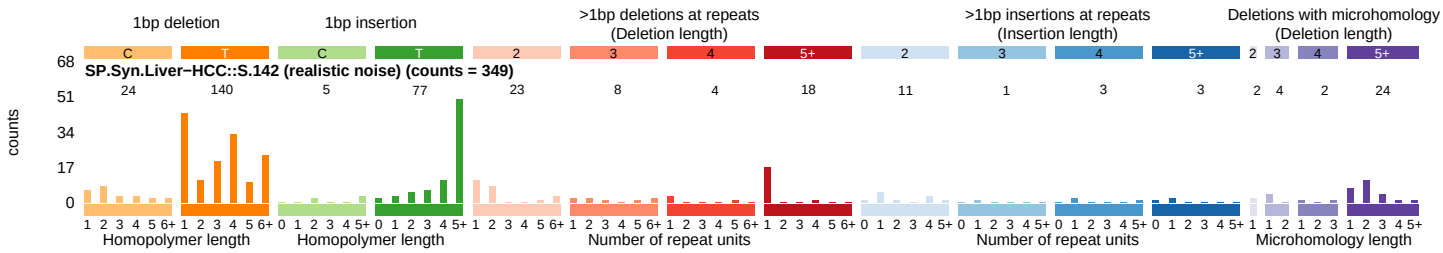

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.137 (realistic noise) (counts = 533)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
77 161 12 190 24 10 9 5 23 1 3 1 3 3 5 6
counts
188 141 94 47 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

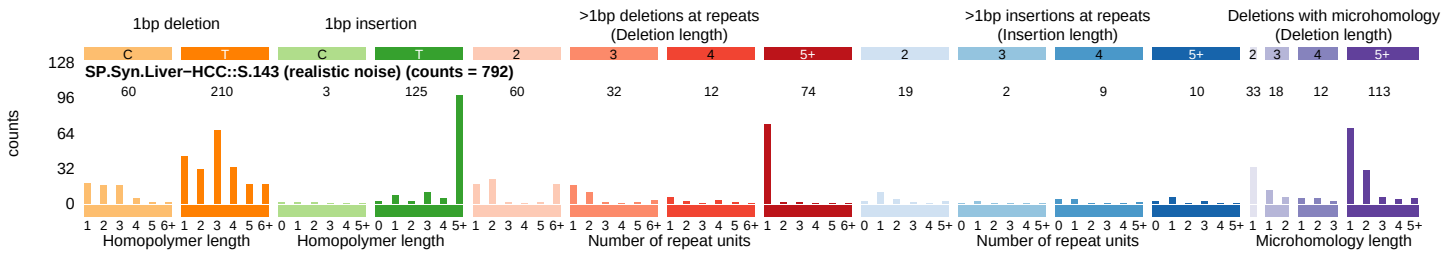

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.138 (realistic noise) (counts = 790)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
290 103 16 268 16 8 2 22 13 3 2 2 3 1 4 37
counts
268 201 134 67 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.139 (realistic noise) (counts = 543)
110 66 28 245 8 5 6 10 13 3 2 3 4 4 1 35
counts
232 174 116 58 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.140 (realistic noise) (counts = 1099)
242 176 19 351 44 13 5 63 26 4 3 4 15 7 9 118
counts
360 270 180 90 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.141 (realistic noise) (counts = 620)
149 93 22 211 22 11 1 27 15 1 2 3 5 9 7 42
counts
208 156 104 52 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.142 (realistic noise) (counts = 349)
24 140 5 77 23 8 4 18 11 1 3 3 2 4 2 24
counts
68 51 34 17 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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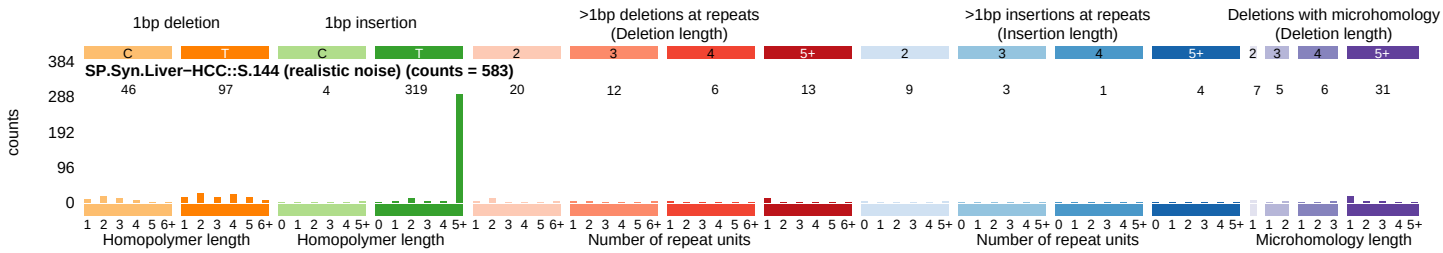
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.143 (realistic noise) (counts = 792)
60 210 3 125 60 32 12 74 19 2 9 10 33 18 12 113
counts
128 96 64 32 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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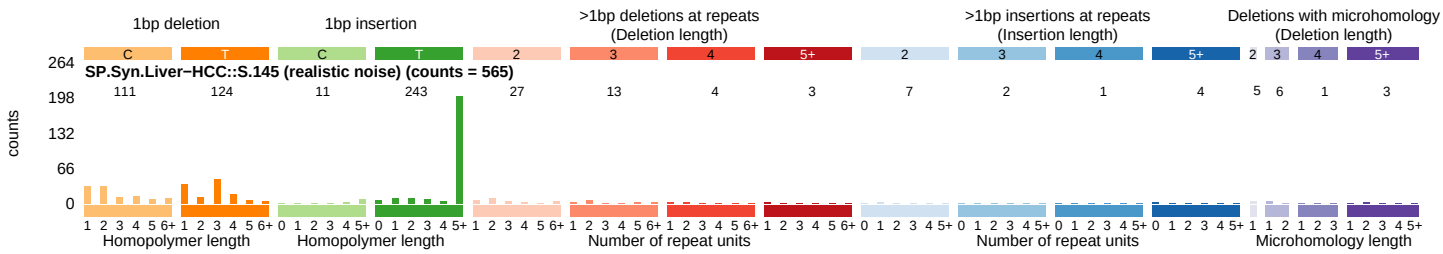
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.144 (realistic noise) (counts = 583)
46 97 4 319 20 12 6 13 9 3 1 4 7 5 6 31
counts
384 288 192 96 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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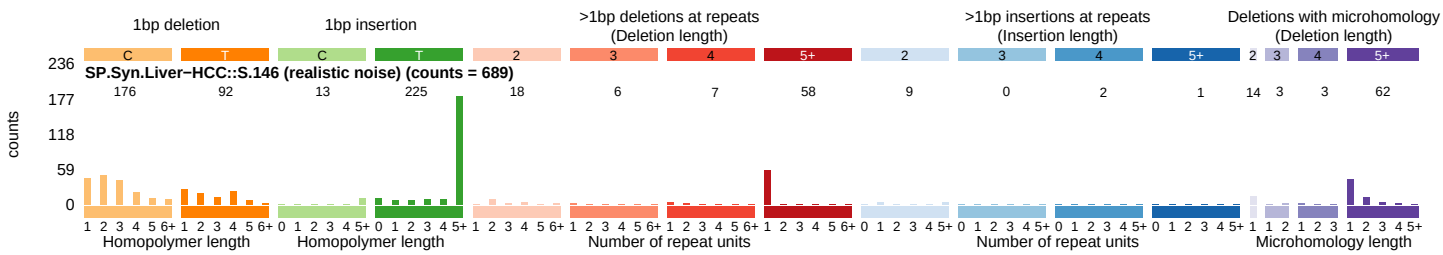
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.145 (realistic noise) (counts = 565)
111 124 11 243 27 13 4 3 7 2 1 4 5 6 1 3
counts
264 198 132 66 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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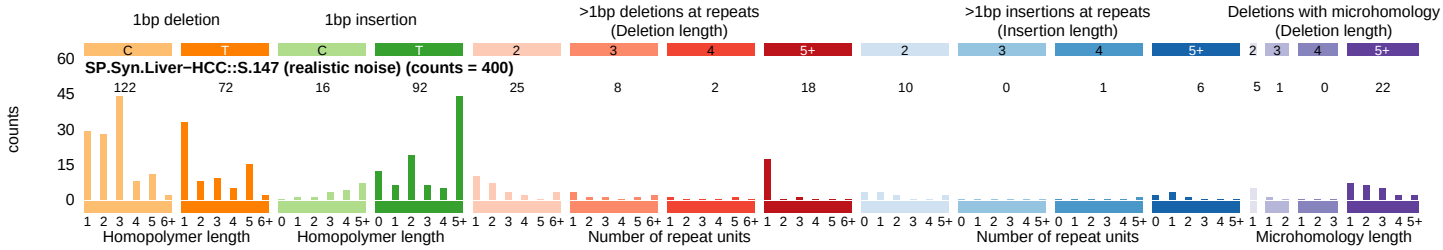
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.146 (realistic noise) (counts = 689)
176 92 13 225 18 6 7 58 9 0 2 1 14 3 3 62
counts
236 177 118 59 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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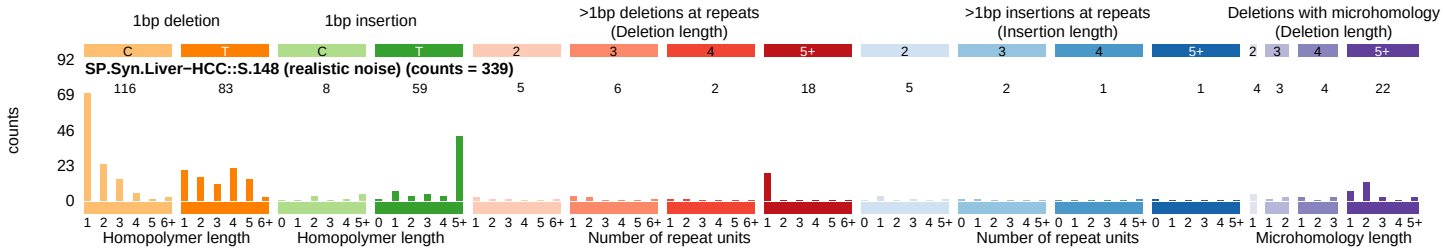
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.147 (realistic noise) (counts = 400)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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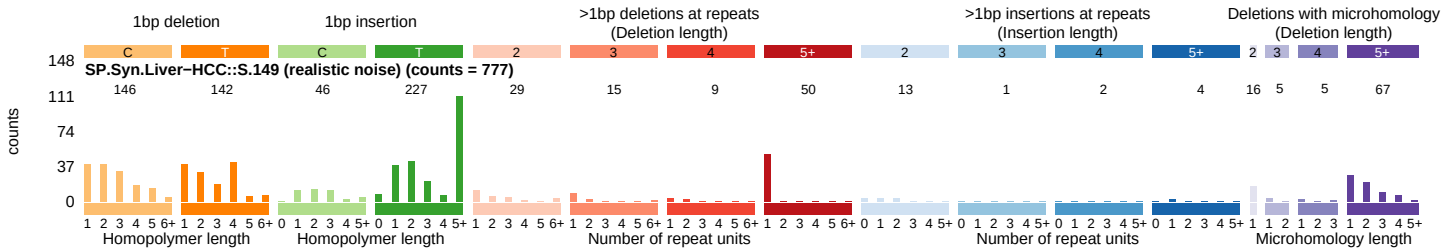
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.148 (realistic noise) (counts = 339)
counts
Homopolymer length
Number of repeat units
Microhomology length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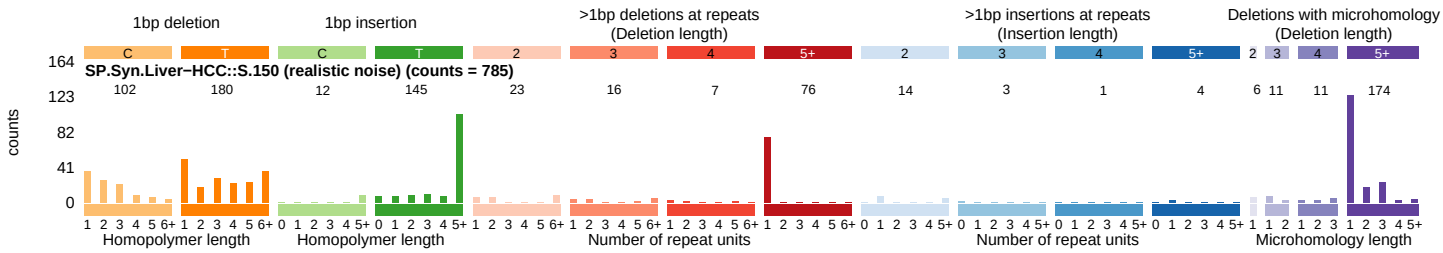
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.149 (realistic noise) (counts = 777)
counts
Homopolymer length
Number of repeat units
Microhomology length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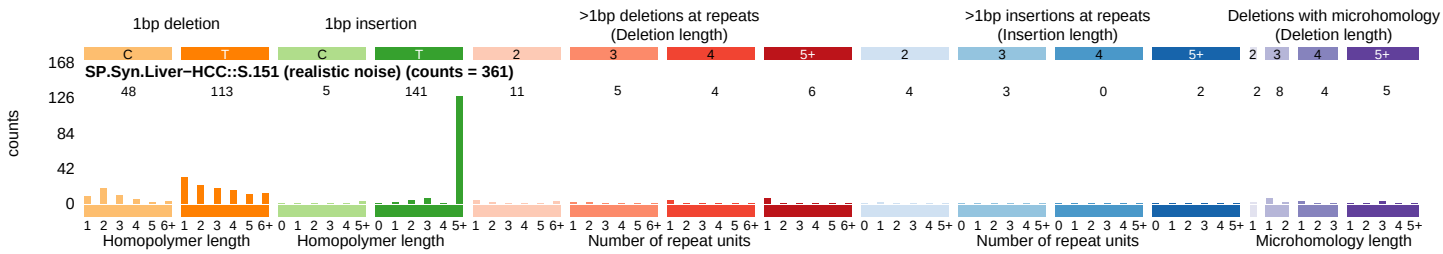
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.150 (realistic noise) (counts = 785)
counts
Homopolymer length
Number of repeat units
Microhomology length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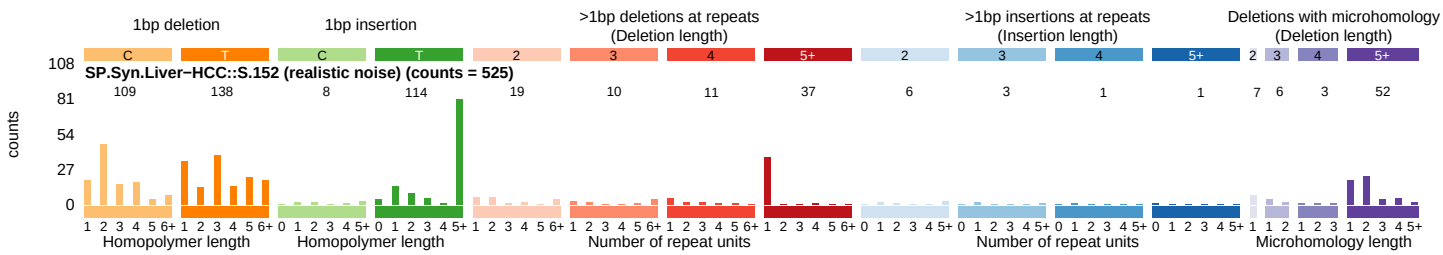
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.151 (realistic noise) (counts = 361)
counts
Homopolymer length
Number of repeat units
Microhomology length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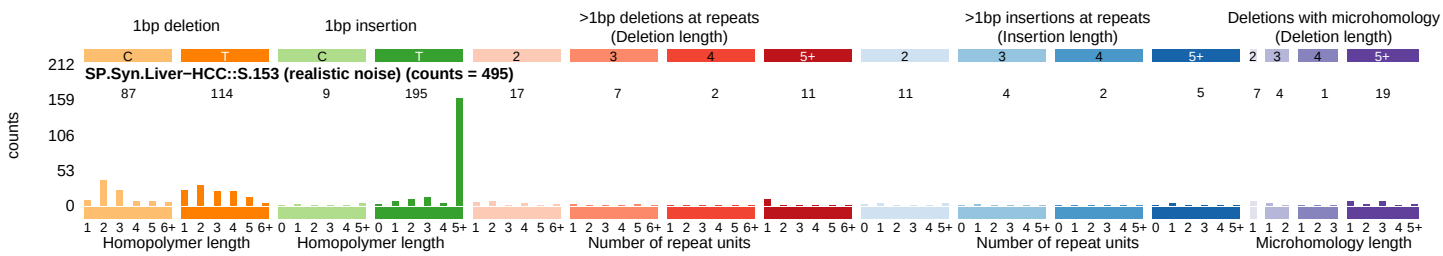
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.152 (realistic noise) (counts = 525)
counts
Homopolymer length
Number of repeat units
Microhomology length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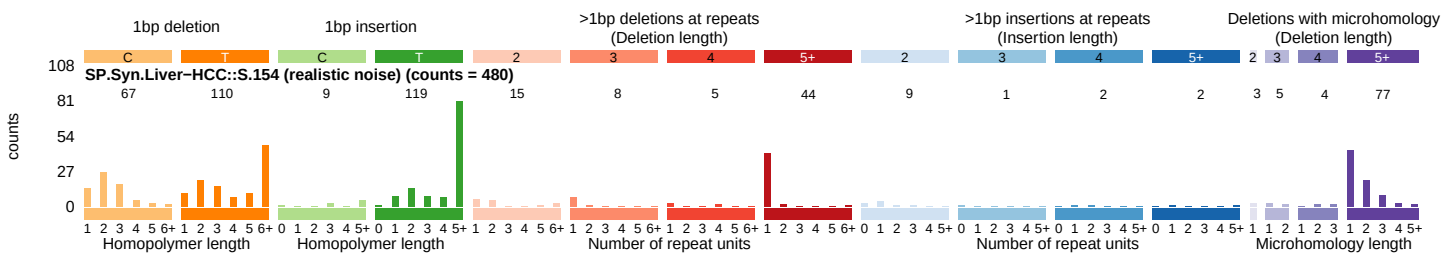
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.153 (realistic noise) (counts = 495)
counts
Homopolymer length
Number of repeat units
Microhomology length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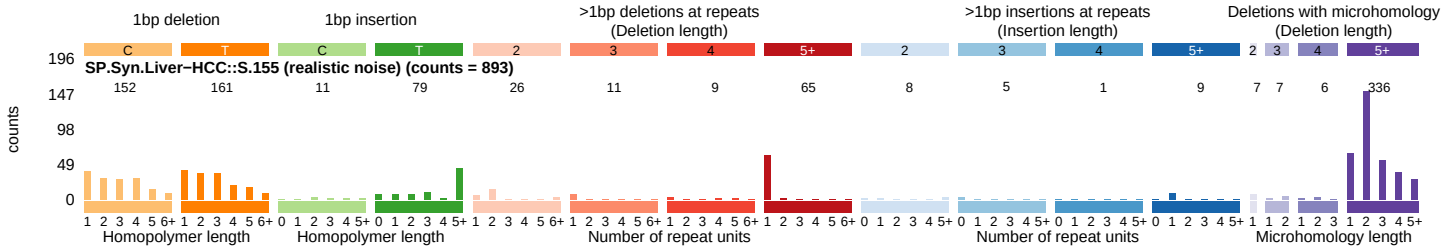
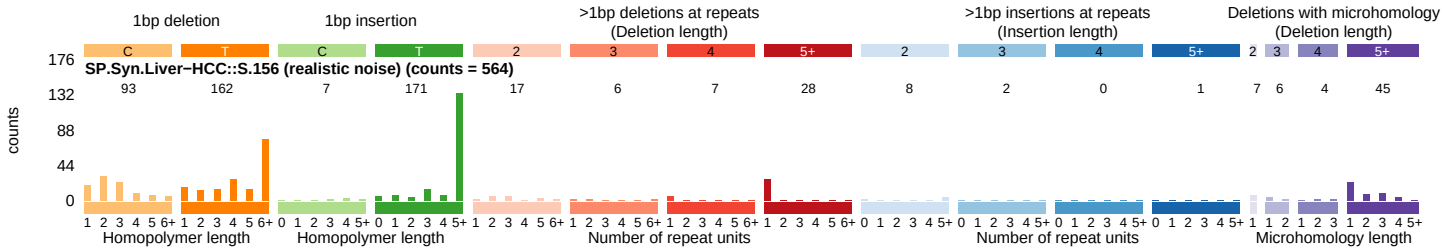
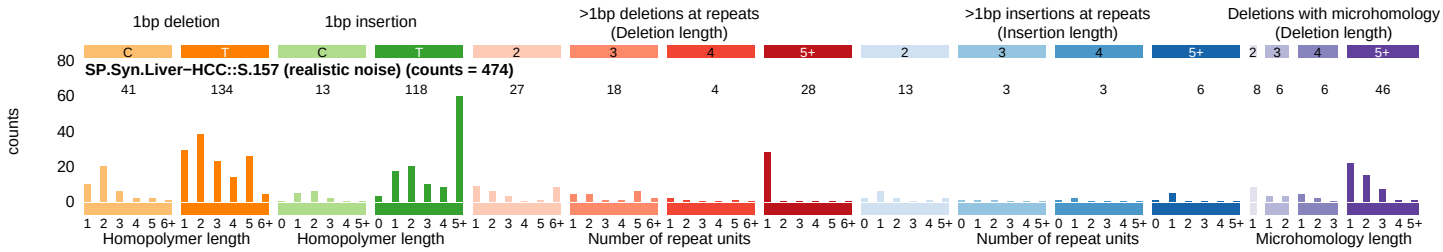
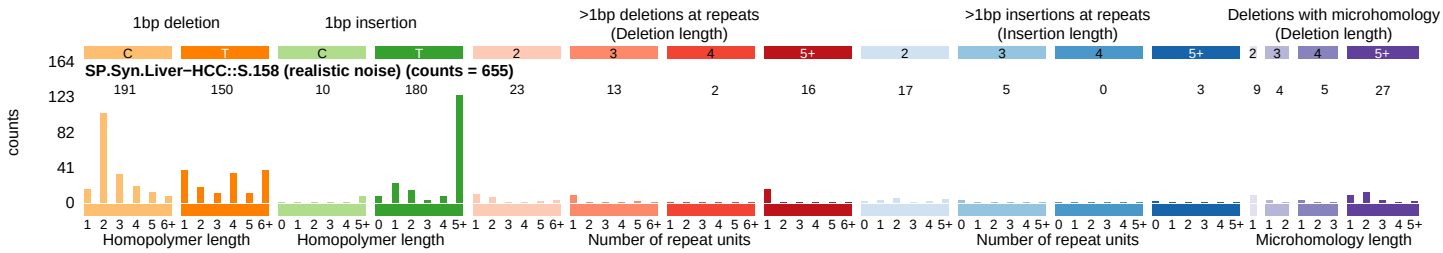
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.154 (realistic noise) (counts = 480)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.155 (realistic noise) (counts = 893)
152 161 11 79 26 11 9 65 8 5 1 9 7 7 6 336
counts
196 147 98 49 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.156 (realistic noise) (counts = 564)
93 162 7 171 17 6 7 28 8 2 0 1 7 6 4 45
counts
176 132 88 44 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.157 (realistic noise) (counts = 474)
41 134 13 118 27 18 4 28 13 3 3 6 8 6 6 46
counts
80 60 40 20 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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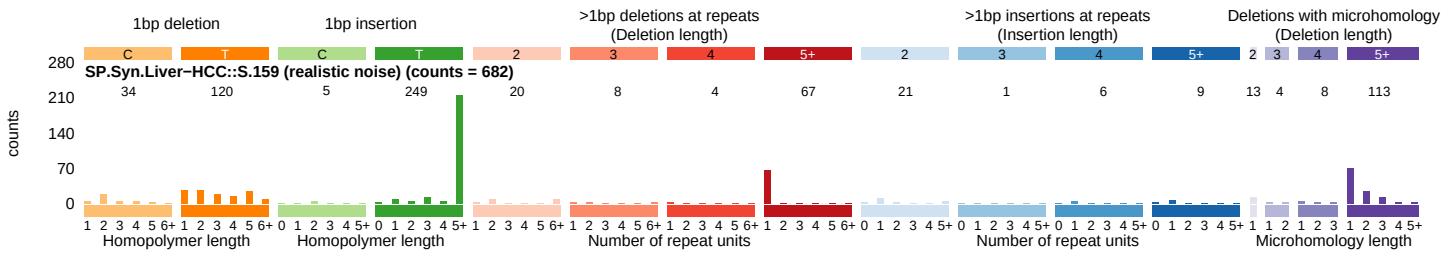
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.158 (realistic noise) (counts = 655)
191 150 10 180 23 13 2 16 17 5 0 3 9 4 5 27
counts
164 123 82 41 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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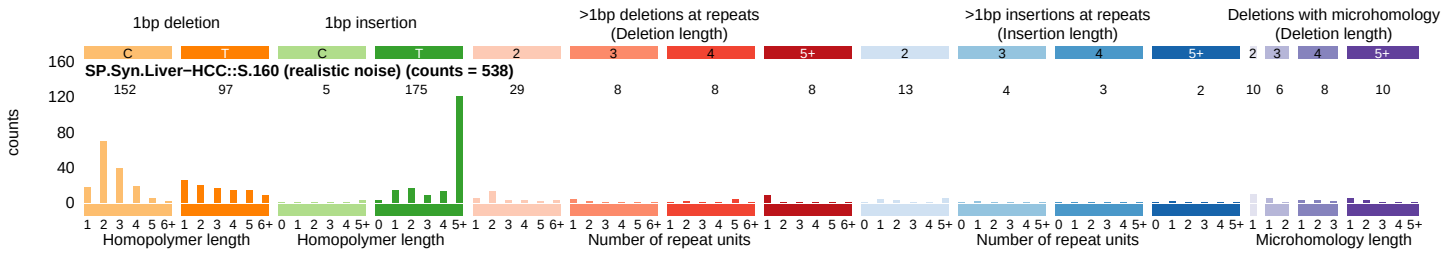
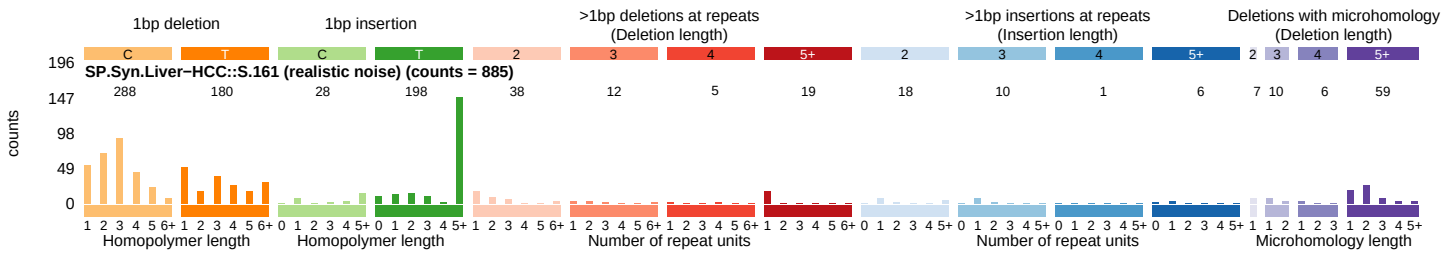
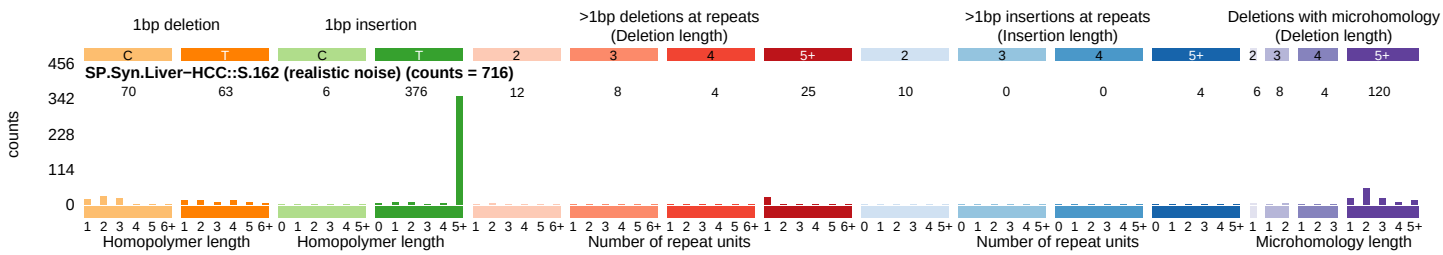
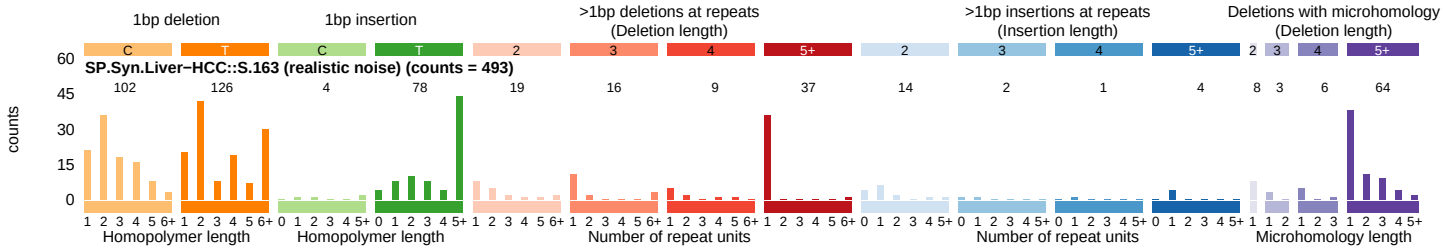
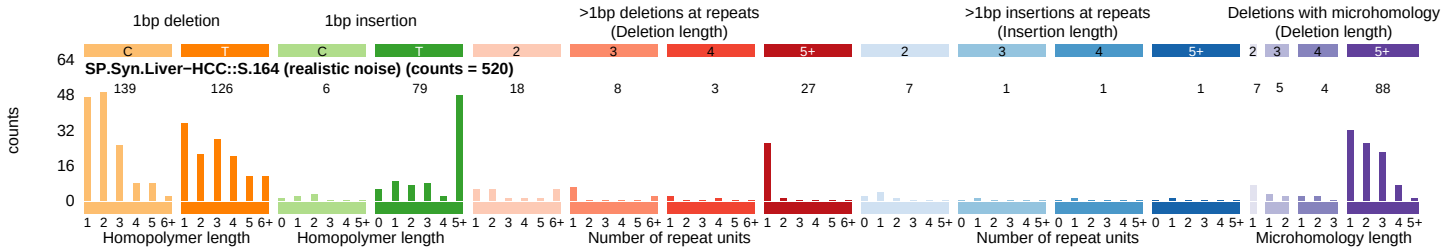
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.159 (realistic noise) (counts = 682)
34 120 5 249 20 8 4 67 21 1 6 9 13 4 8 113
counts
280 210 140 70 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.160 (realistic noise) (counts = 538)
152 97 5 175 29 8 8 8 13 4 3 2 10 6 8 10
counts
160 120 80 40 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.161 (realistic noise) (counts = 885)
288 180 28 198 38 12 5 19 18 10 1 6 7 10 6 59
counts
196 147 98 49 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.162 (realistic noise) (counts = 716)
70 63 6 376 12 8 4 25 10 0 0 4 6 8 4 120
counts
456 342 228 114 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.163 (realistic noise) (counts = 493)
102 126 4 78 19 16 9 37 14 2 1 4 8 3 6 64
counts
60 45 30 15 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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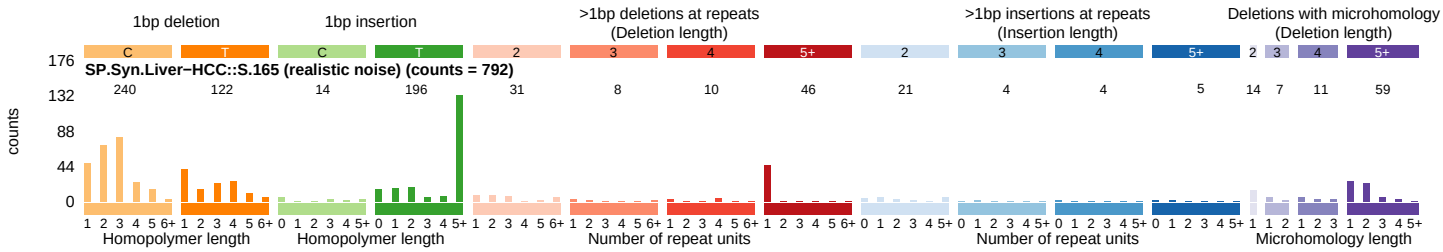
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.164 (realistic noise) (counts = 520)
139 126 6 79 18 8 3 27 7 1 1 1 7 5 4 88
counts
64 48 32 16 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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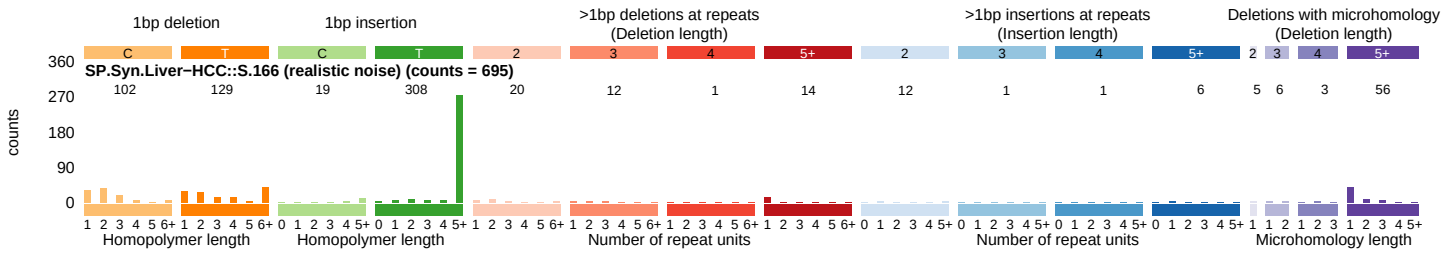
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.165 (realistic noise) (counts = 792)
240 122 14 196 31 8 10 46 21 4 4 5 14 7 11 59
counts
176 132 88 44 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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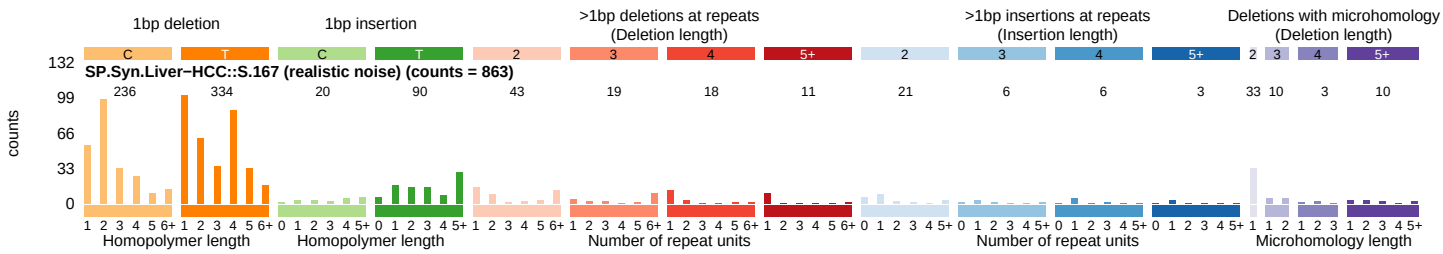
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.166 (realistic noise) (counts = 695)
102 129 19 308 20 12 1 14 12 1 1 6 5 6 3 56
counts
360 270 180 90 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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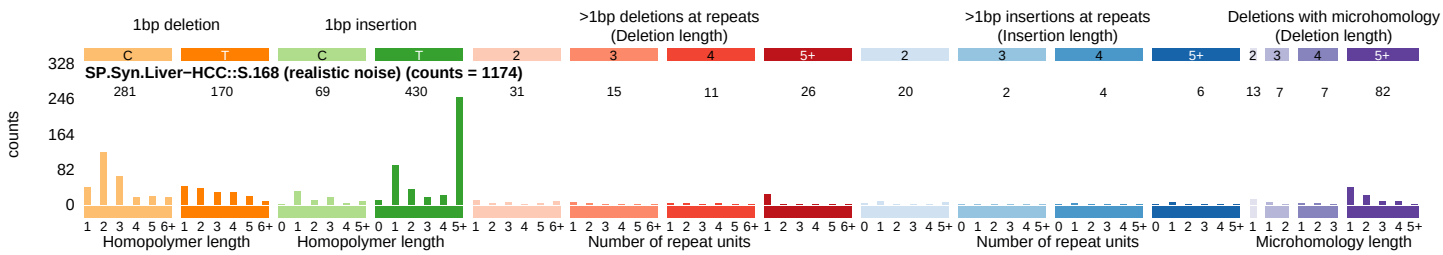
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.167 (realistic noise) (counts = 863)
236 334 20 90 43 19 18 11 21 6 6 3 33 10 3 10
counts
132 99 66 33 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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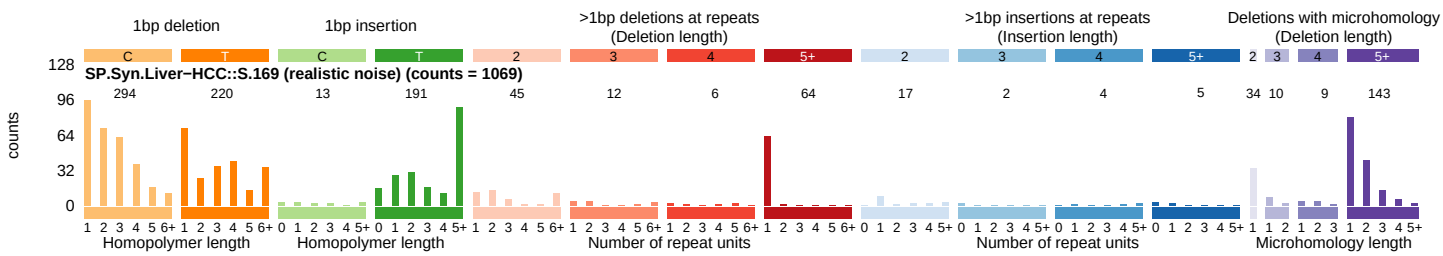
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.168 (realistic noise) (counts = 1174)
281 170 69 430 31 15 11 26 20 2 4 6 13 7 7 82
counts
328 246 164 82 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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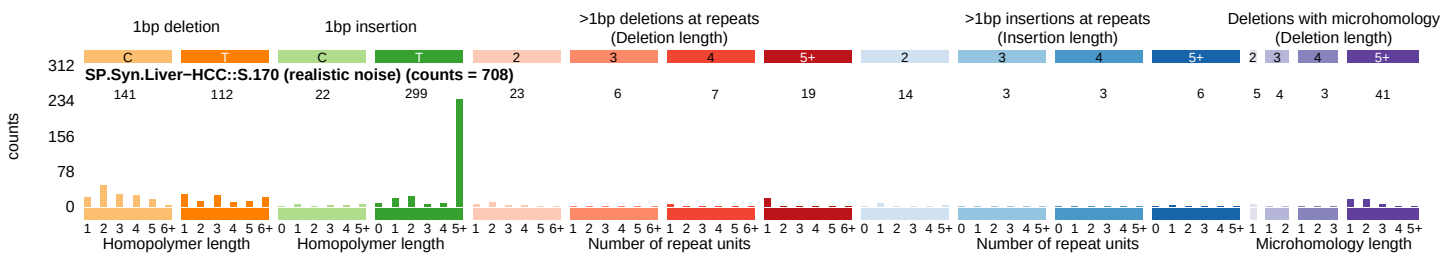
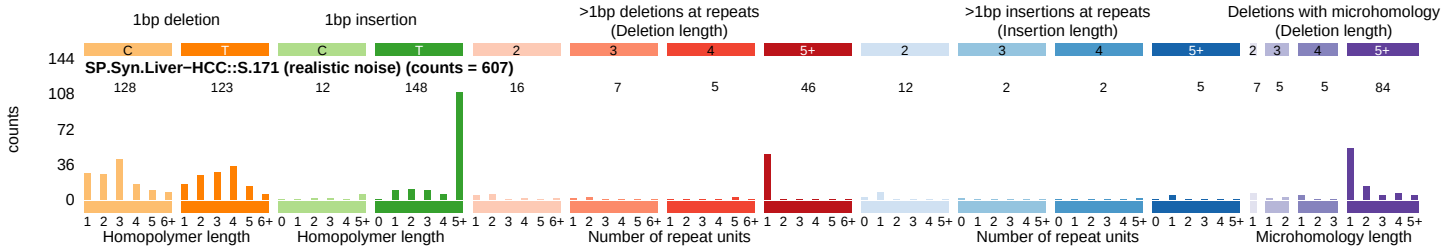
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.169 (realistic noise) (counts = 1069)
294 220 13 191 45 12 6 64 17 2 4 5 34 10 9 143
counts
128 96 64 32 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.170 (realistic noise) (counts = 708)
141 112 22 299 23 6 7 19 14 3 3 6 5 4 3 41
counts
312 234 156 78 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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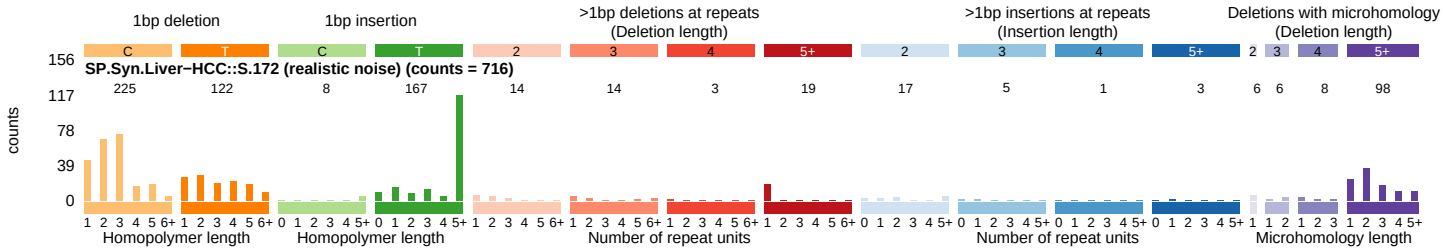
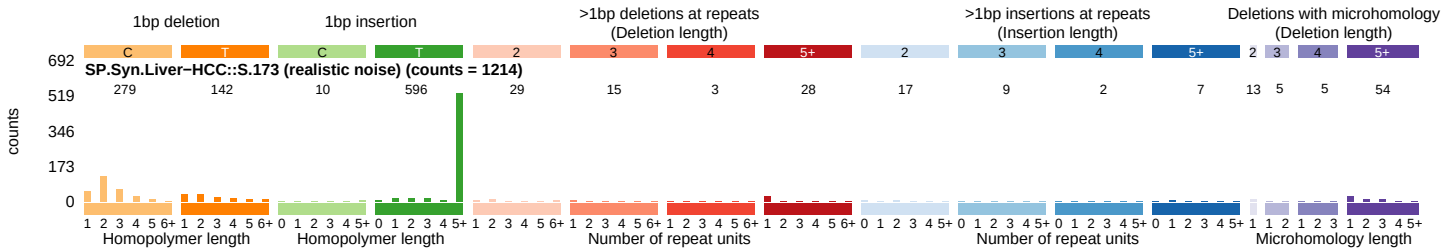
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.171 (realistic noise) (counts = 607)
128 123 12 148 16 7 5 46 12 2 2 5 7 5 5 84
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.172 (realistic noise) (counts = 716)
225 122 8 167 14 14 3 19 17 5 1 3 6 6 8 98
counts
Homopolymer length
Number of repeat units
Microhomology length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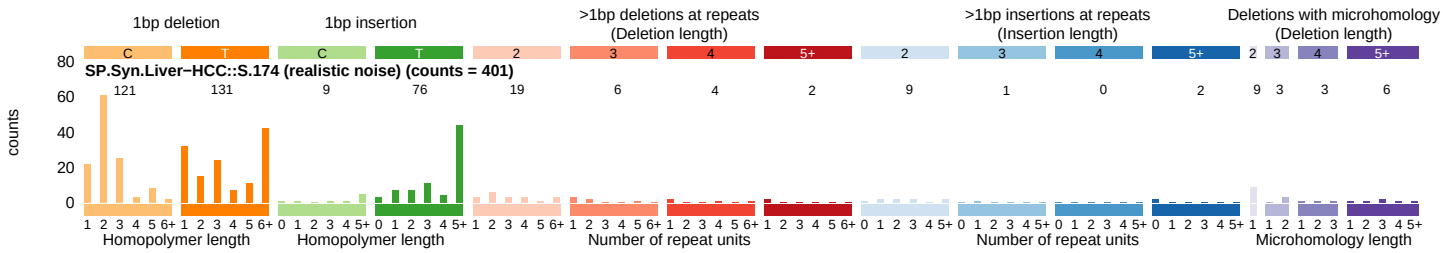
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.173 (realistic noise) (counts = 1214)
279 142 10 596 29 15 3 28 17 9 2 7 13 5 5 54
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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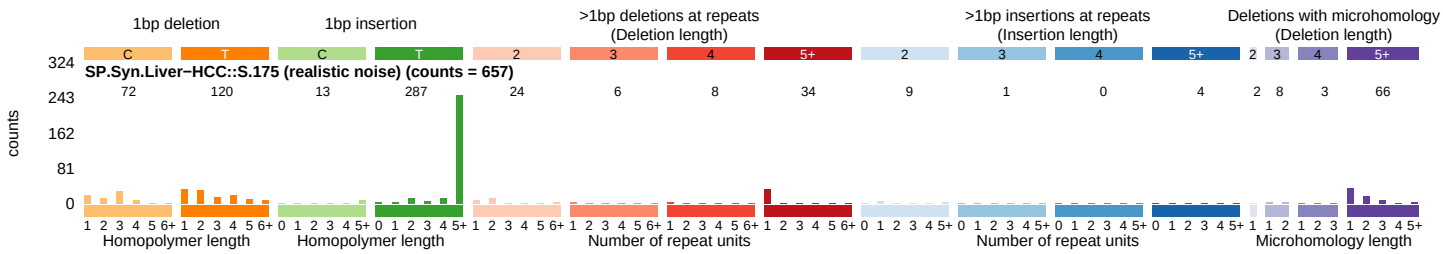
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.174 (realistic noise) (counts = 401)
121 131 9 76 19 6 4 2 9 1 0 2 9 3 3 6
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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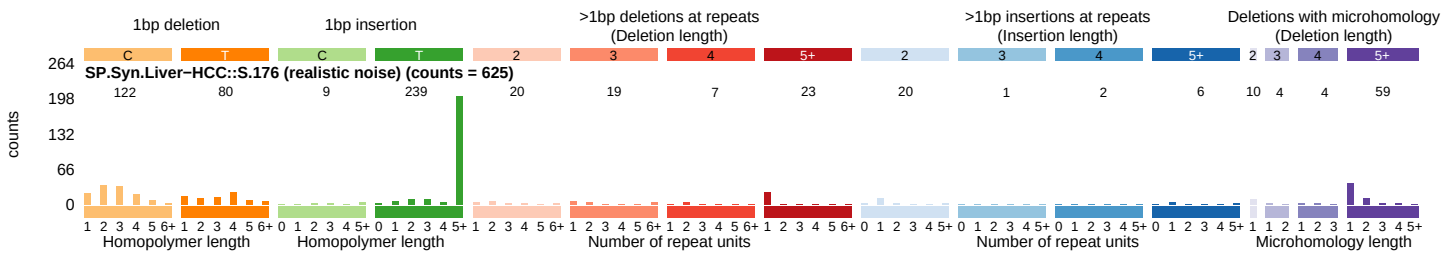
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.175 (realistic noise) (counts = 657)
72 120 13 287 24 6 8 34 9 1 0 4 2 8 3 66
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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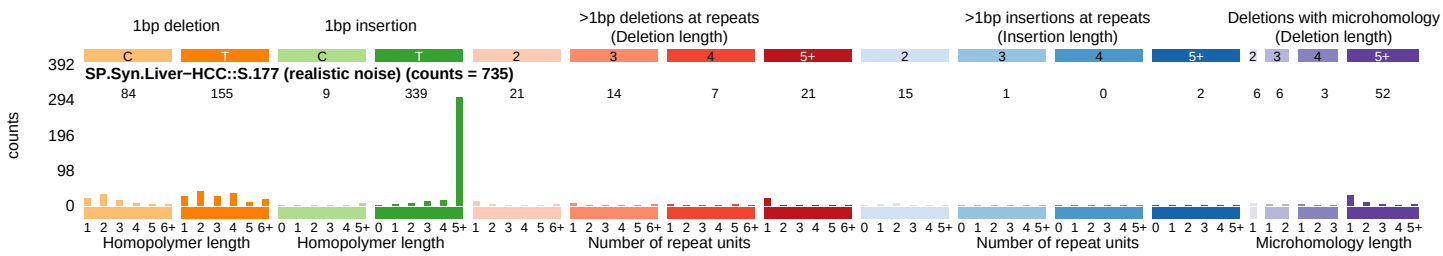
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.176 (realistic noise) (counts = 625)
122 80 9 239 20 19 7 23 20 1 2 6 10 4 4 59
counts
Homopolymer length
Number of repeat units
Microhomology length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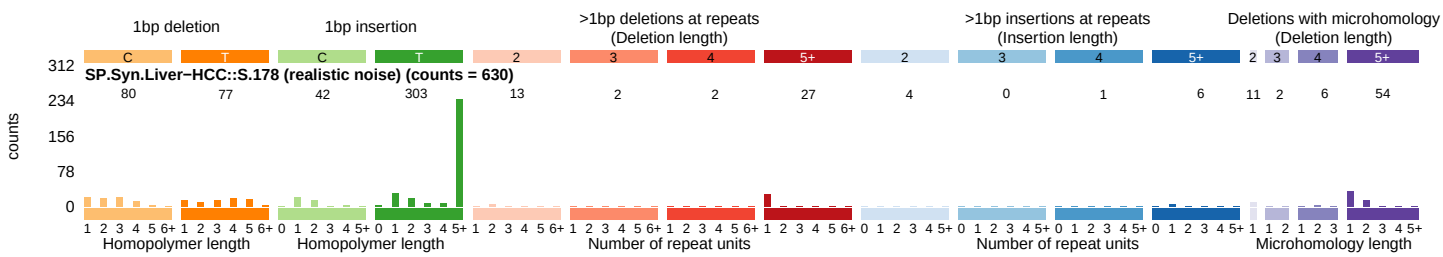
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.177 (realistic noise) (counts = 735)
84 155 9 339 21 14 7 21 15 1 0 2 6 6 3 52
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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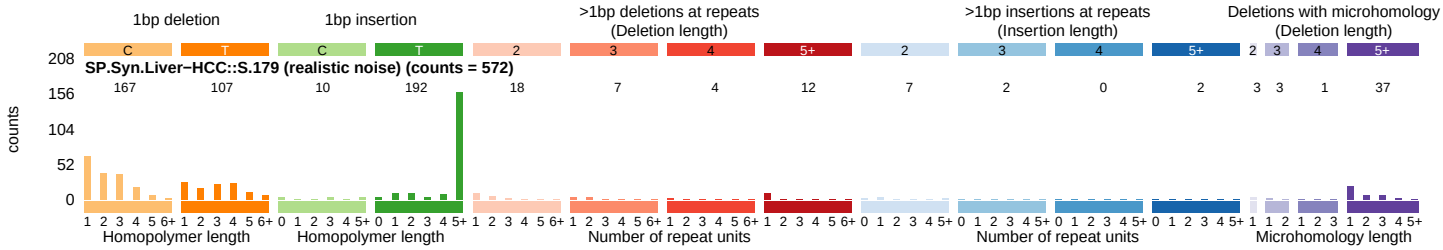
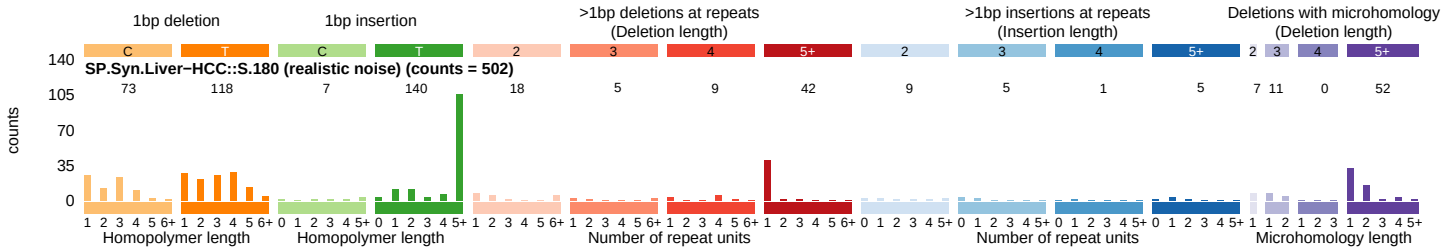
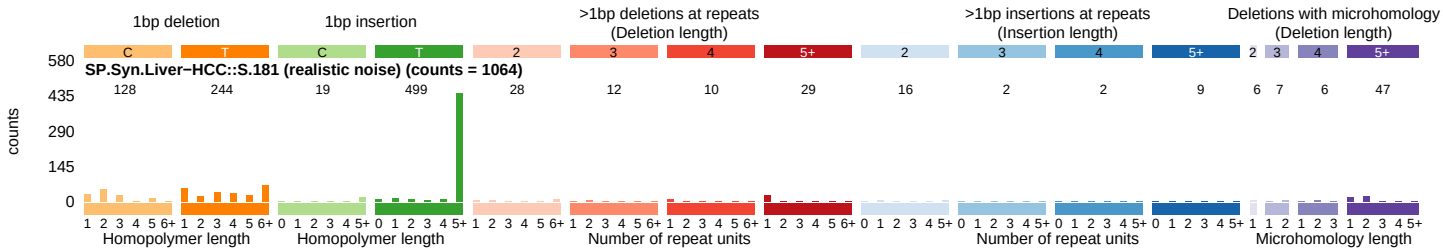
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.178 (realistic noise) (counts = 630)
80 77 42 303 13 2 2 27 4 0 1 6 11 2 6 54
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.179 (realistic noise) (counts = 572)
167 107 10 192 18 7 4 12 7 2 0 2 3 3 1 37
counts
208 156 104 52 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.180 (realistic noise) (counts = 502)
73 118 7 140 18 5 9 42 9 5 1 5 7 11 0 52
counts
140 105 70 35 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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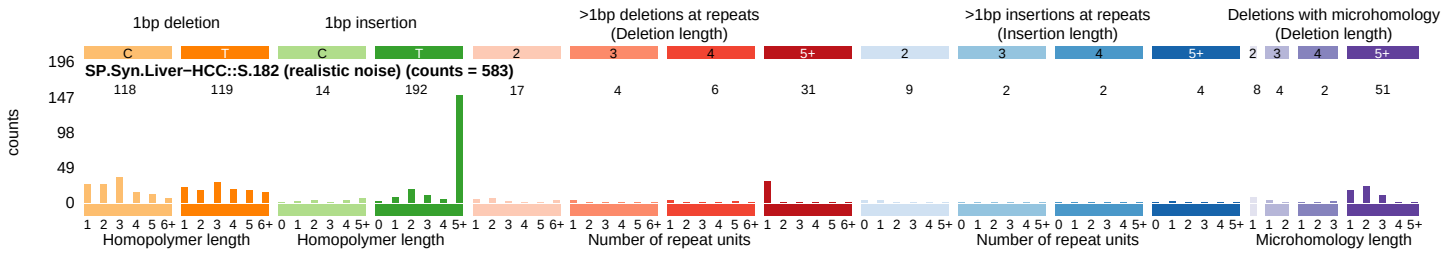
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.181 (realistic noise) (counts = 1064)
128 244 19 499 28 12 10 29 16 2 2 9 6 7 6 47
counts
580 435 290 145 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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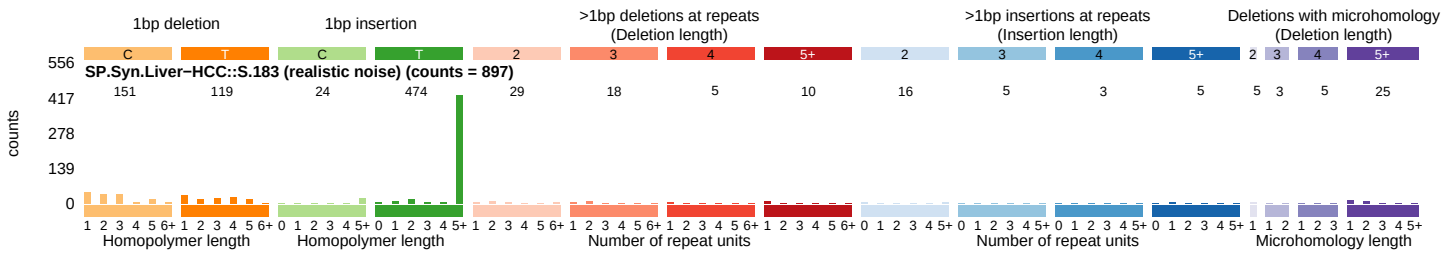
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.182 (realistic noise) (counts = 583)
118 119 14 192 17 4 6 31 9 2 2 4 8 4 2 51
counts
196 147 98 49 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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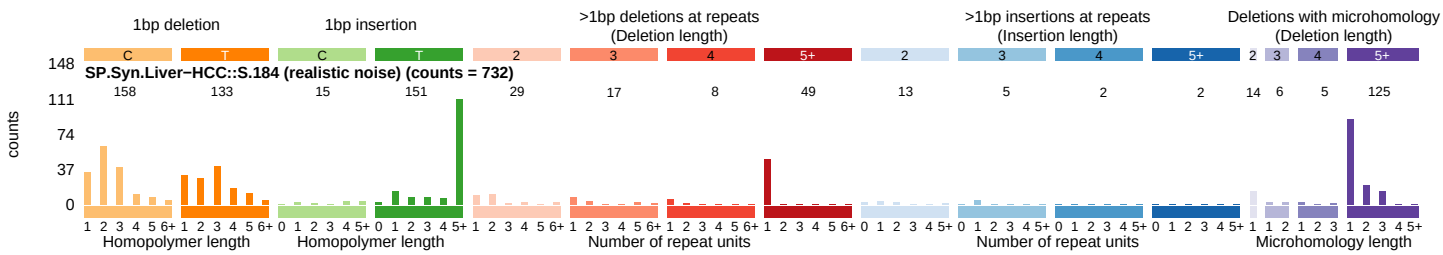
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.183 (realistic noise) (counts = 897)
151 119 24 474 29 18 5 10 16 5 3 5 5 3 5 25
counts
556 417 278 139 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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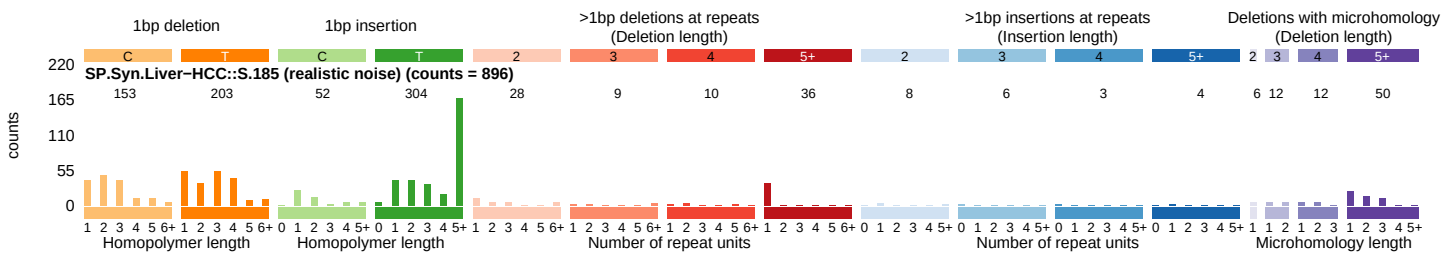
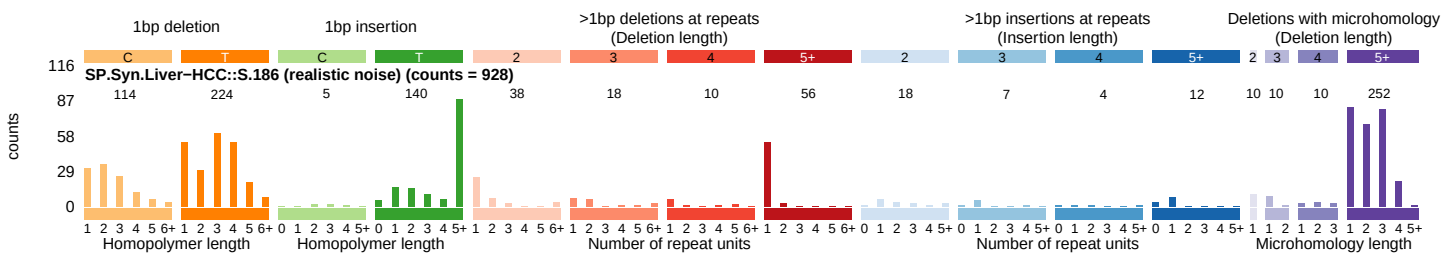
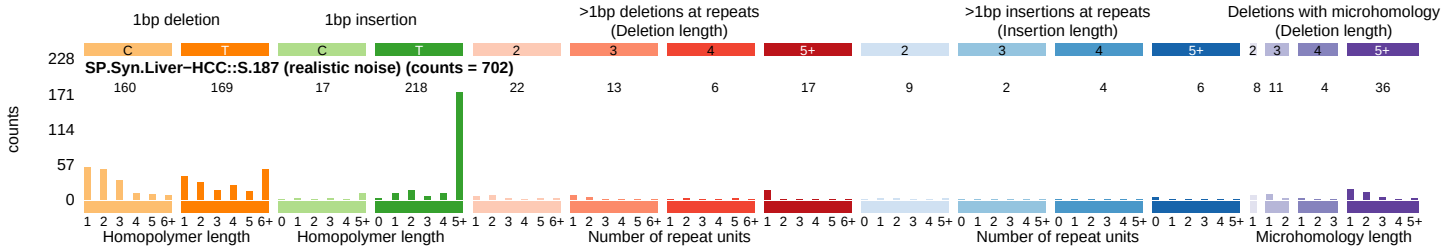
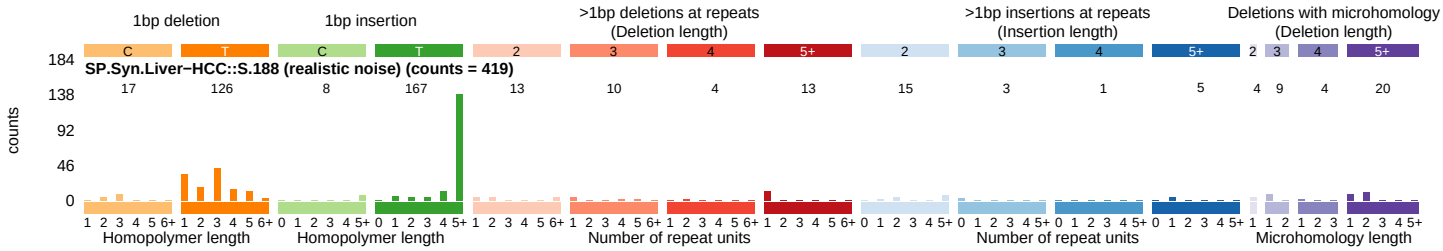
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.184 (realistic noise) (counts = 732)
158 133 15 151 29 17 8 49 13 5 2 2 14 6 5 125
counts
148 111 74 37 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.185 (realistic noise) (counts = 896)
153 203 52 304 28 9 10 36 8 6 3 4 6 12 12 50
counts
220 165 110 55 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.186 (realistic noise) (counts = 928)
114 224 5 140 38 18 10 56 18 7 4 12 10 10 10 252
counts
116 87 58 29 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.187 (realistic noise) (counts = 702)
160 169 17 218 22 13 6 17 9 2 4 6 8 11 4 36
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
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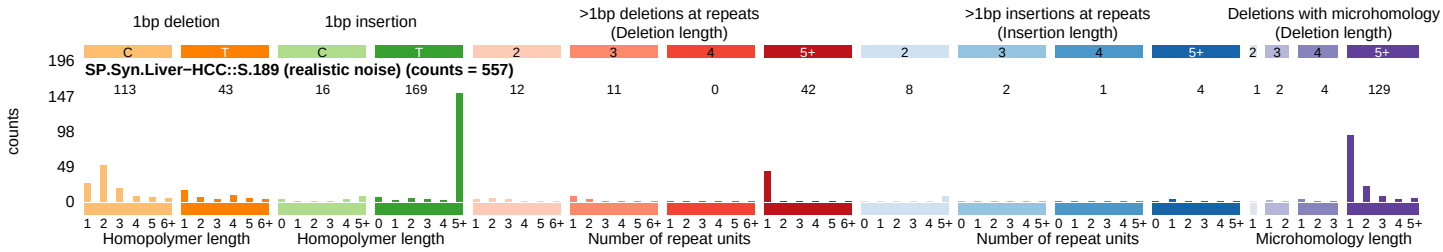
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.188 (realistic noise) (counts = 419)
17 126 8 167 13 10 4 13 15 3 1 5 4 9 4 20
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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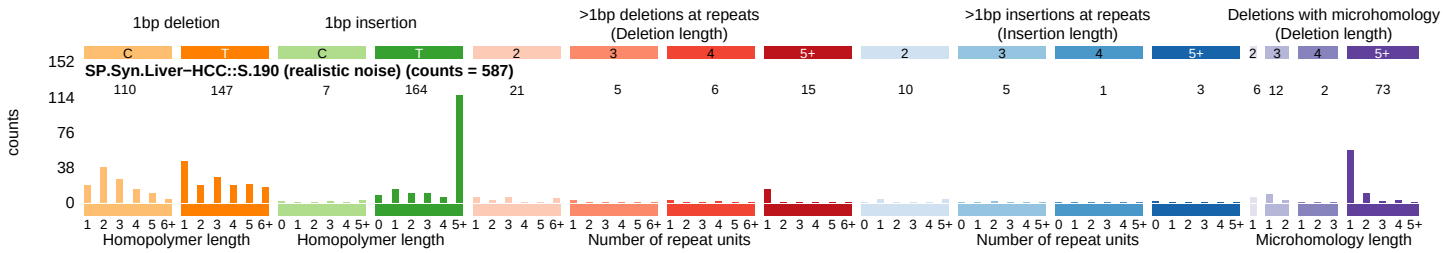
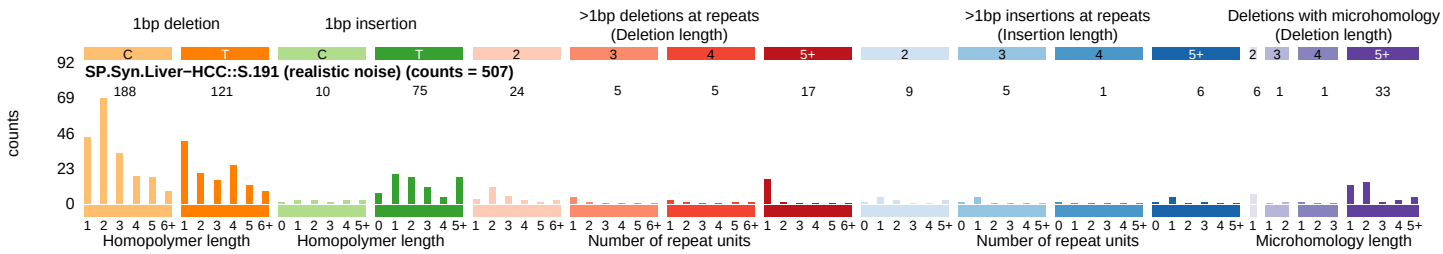
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.189 (realistic noise) (counts = 557)
113 43 16 169 12 11 0 42 8 2 1 4 1 2 4 129
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.190 (realistic noise) (counts = 587)
110 147 7 164 21 5 6 15 10 5 1 3 6 12 2 73
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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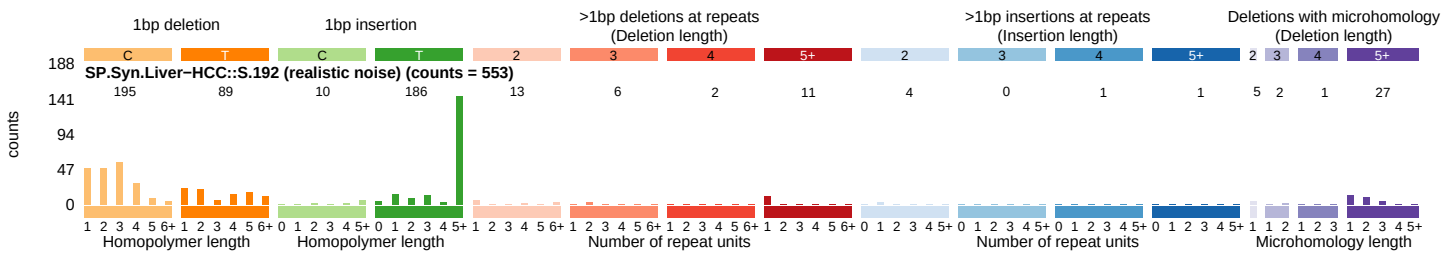
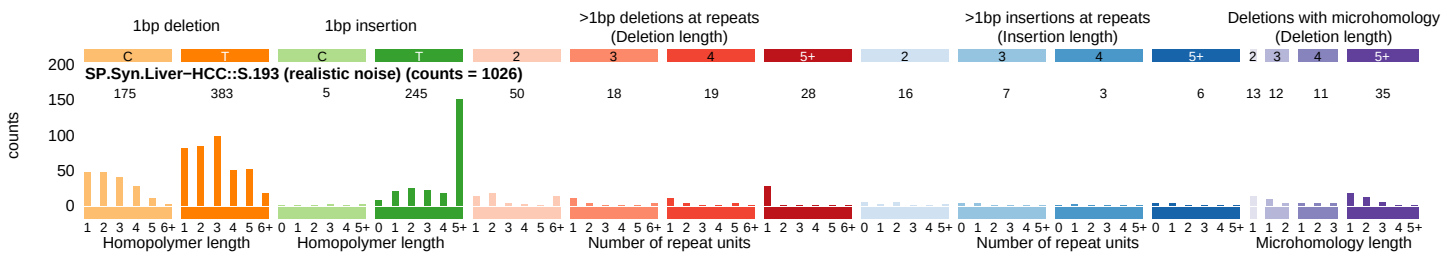
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.191 (realistic noise) (counts = 507)
188 121 10 75 24 5 5 17 9 5 1 6 6 1 1 33
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.192 (realistic noise) (counts = 553)
195 89 10 186 13 6 2 11 4 0 1 1 5 2 1 27
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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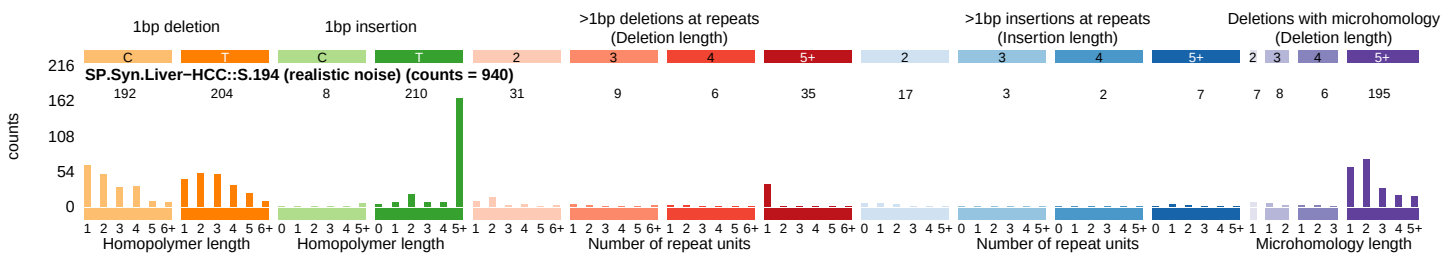
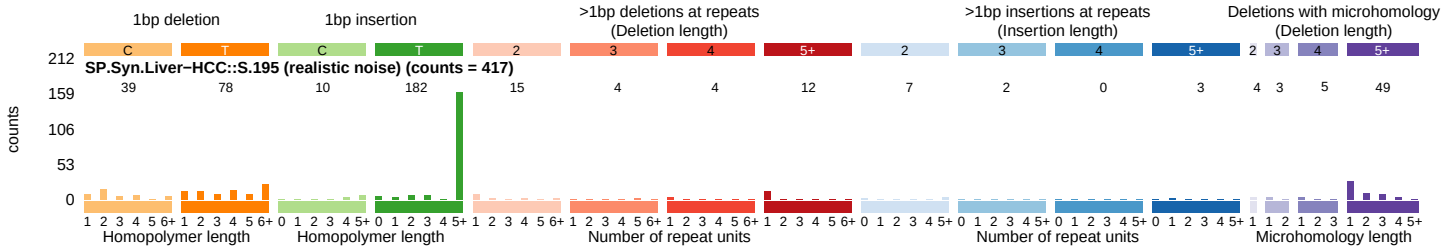
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.193 (realistic noise) (counts = 1026)
175 383 5 245 50 18 19 28 16 7 3 6 13 12 11 35
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.194 (realistic noise) (counts = 940)
192 204 8 210 31 9 6 35 17 3 2 7 7 8 6 195
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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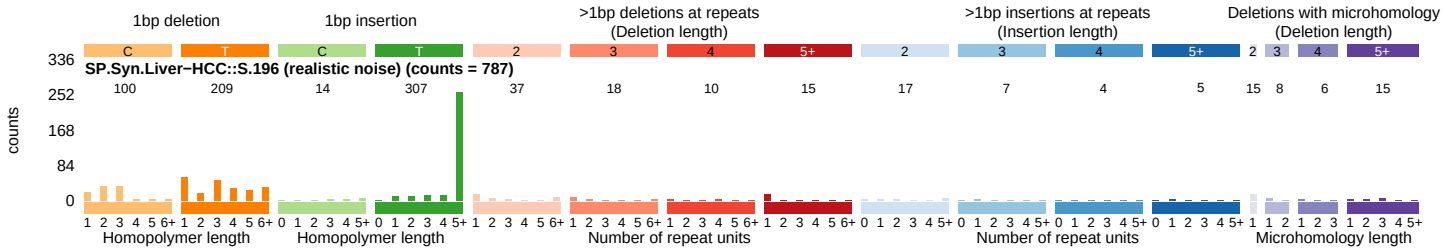
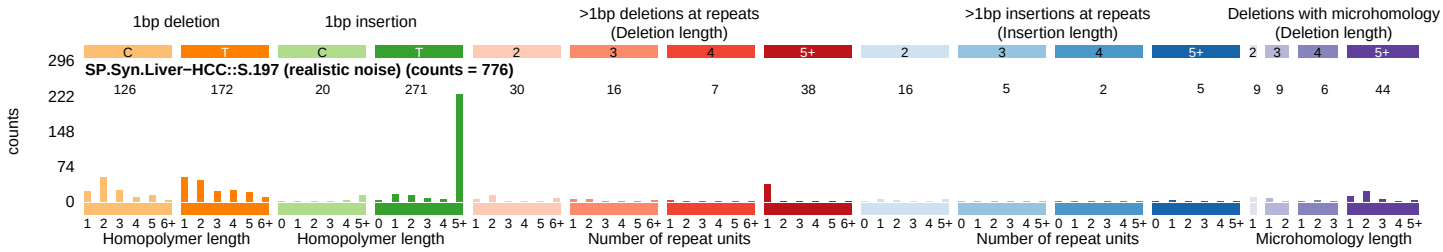
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.195 (realistic noise) (counts = 417)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.196 (realistic noise) (counts = 787)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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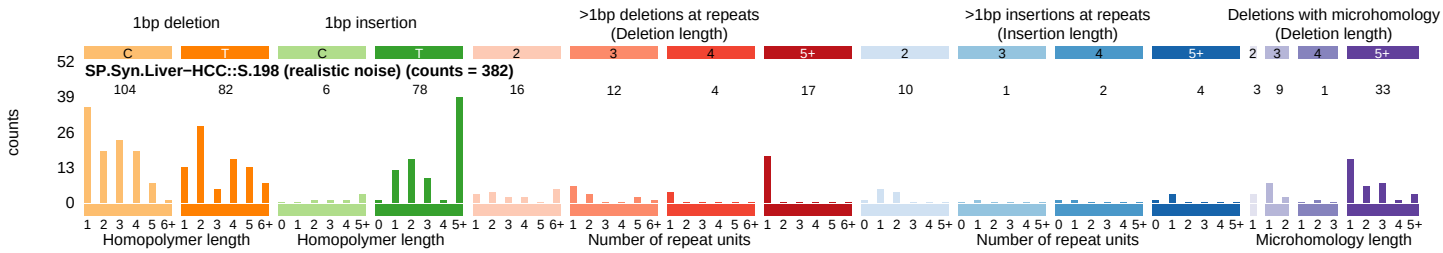
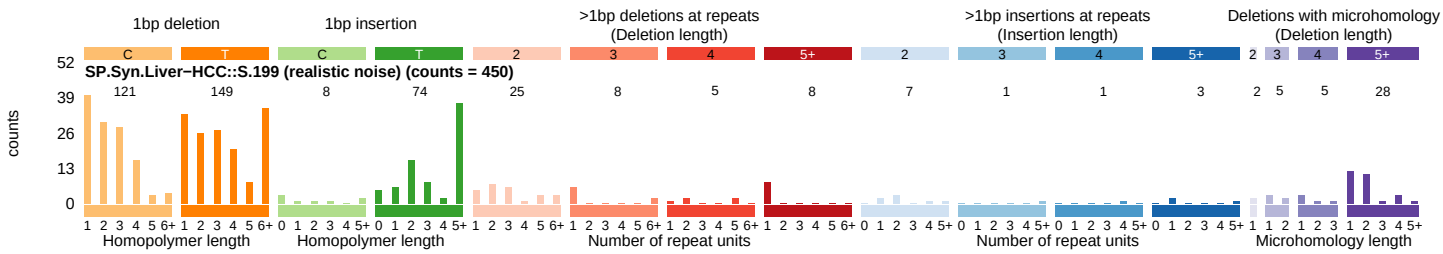
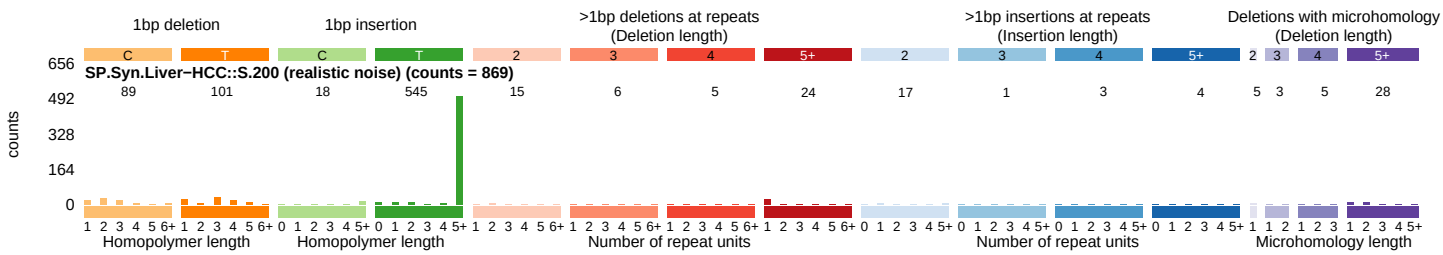
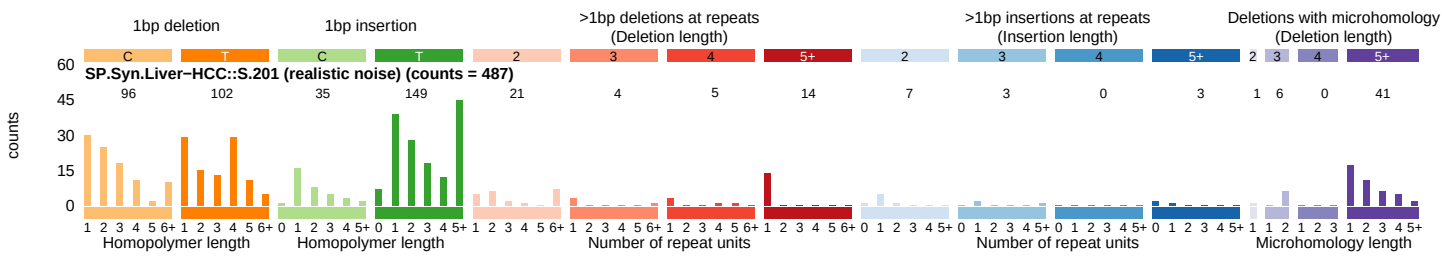
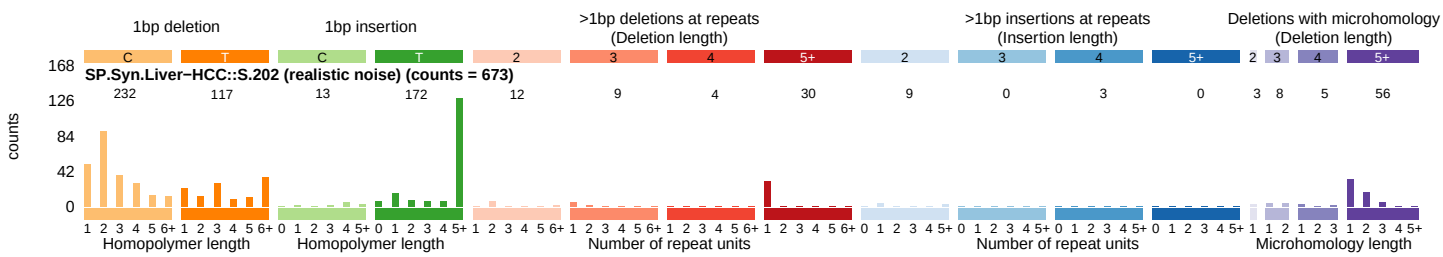
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.197 (realistic noise) (counts = 776)
counts
Homopolymer length
Number of repeat units
Microhomology length

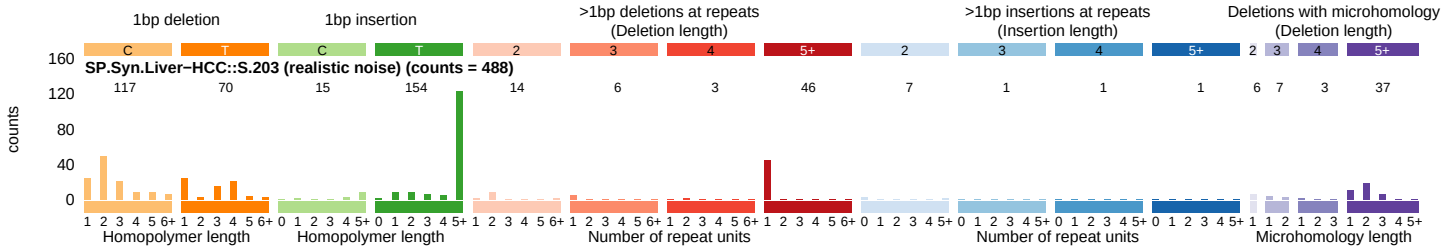

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.198 (realistic noise) (counts = 382)
counts
Homopolymer length
Number of repeat units
Microhomology length

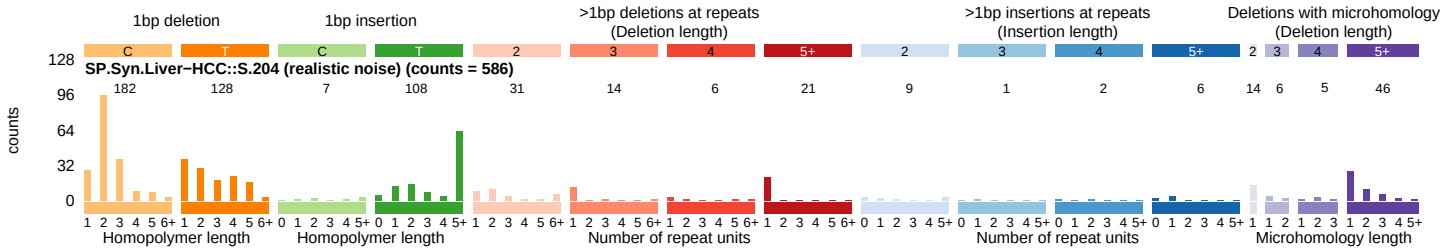

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.199 (realistic noise) (counts = 450)
counts
Homopolymer length
Number of repeat units
Microhomology length

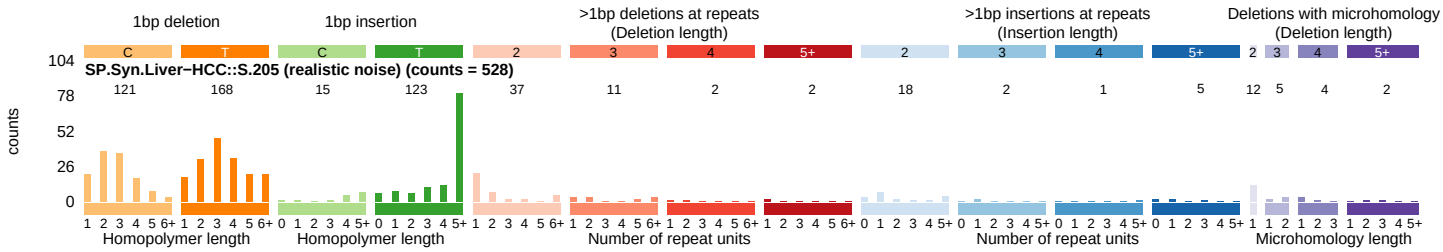

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.200 (realistic noise) (counts = 869)
counts
Homopolymer length
Number of repeat units
Microhomology length

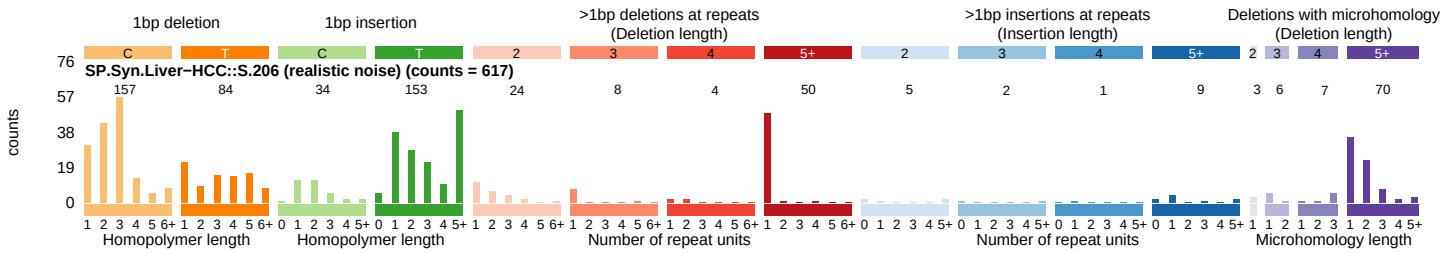

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.201 (realistic noise) (counts = 487)
counts
Homopolymer length
Number of repeat units
Microhomology length

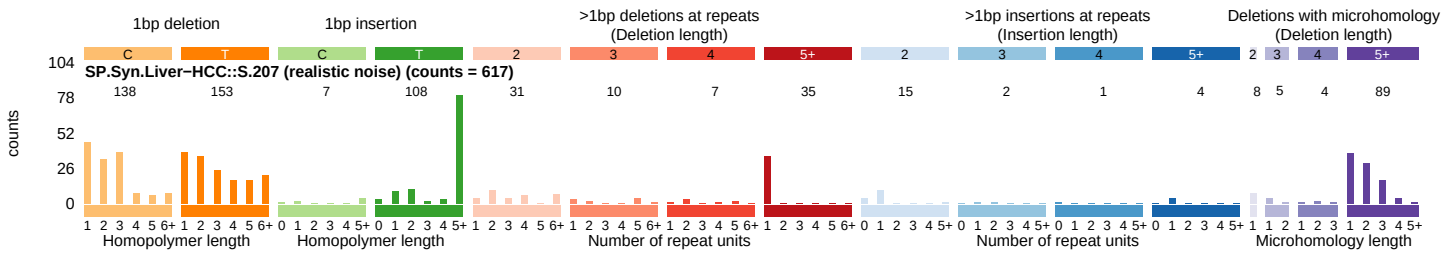

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.202 (realistic noise) (counts = 673)
counts
Homopolymer length
Number of repeat units
Microhomology length

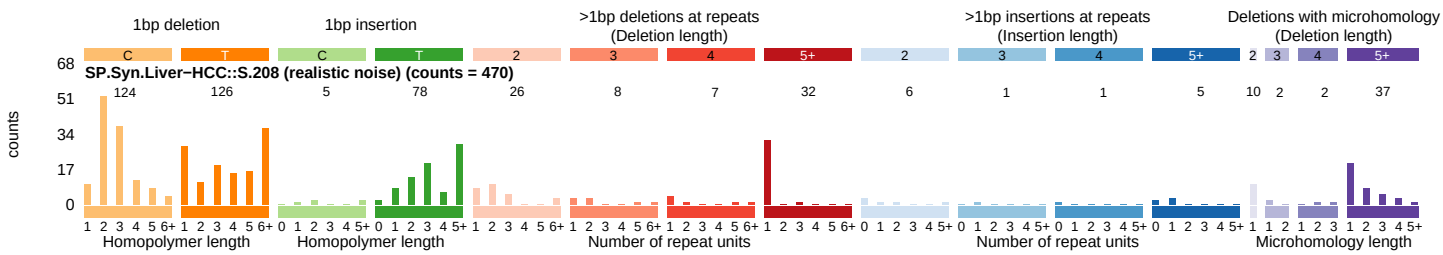

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.203 (realistic noise) (counts = 488)
117 70 15 154 14 6 3 46 7 1 1 1 6 7 3 37
counts
Homopolymer length
Number of repeat units
Microhomology length

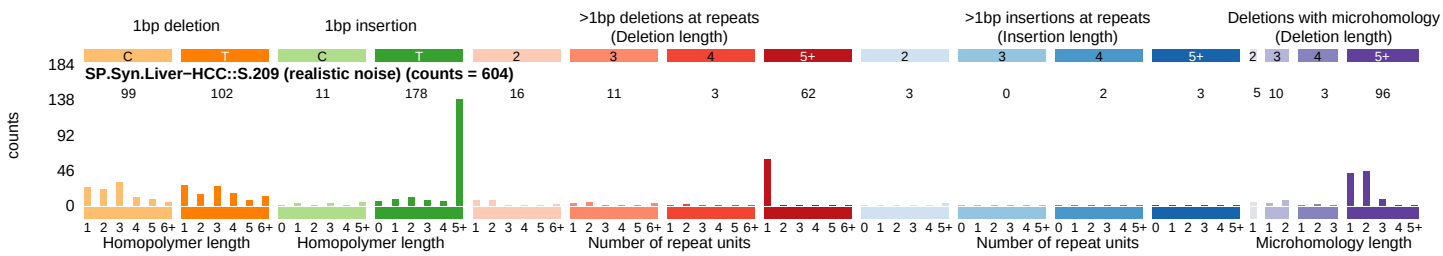

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.204 (realistic noise) (counts = 586)
182 128 7 108 31 14 6 21 9 1 2 6 14 6 5 46
counts
Homopolymer length
Number of repeat units
Microhomology length

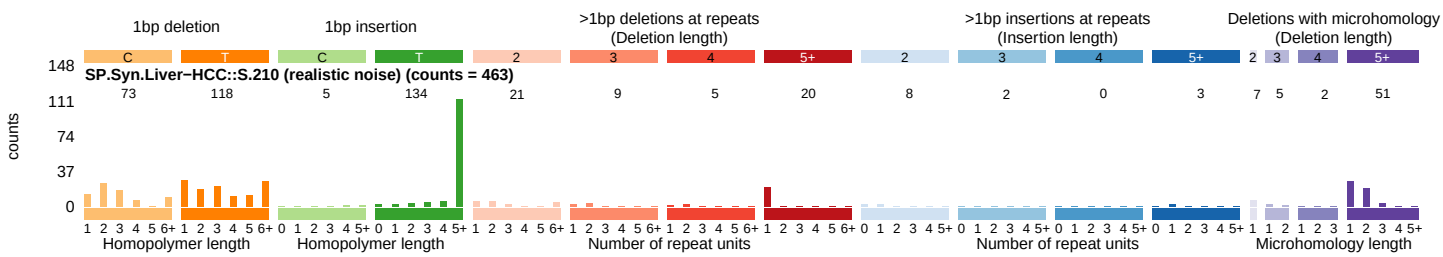

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.205 (realistic noise) (counts = 528)
121 168 15 123 37 11 2 2 18 2 1 5 12 5 4 2
counts
Homopolymer length
Number of repeat units
Microhomology length

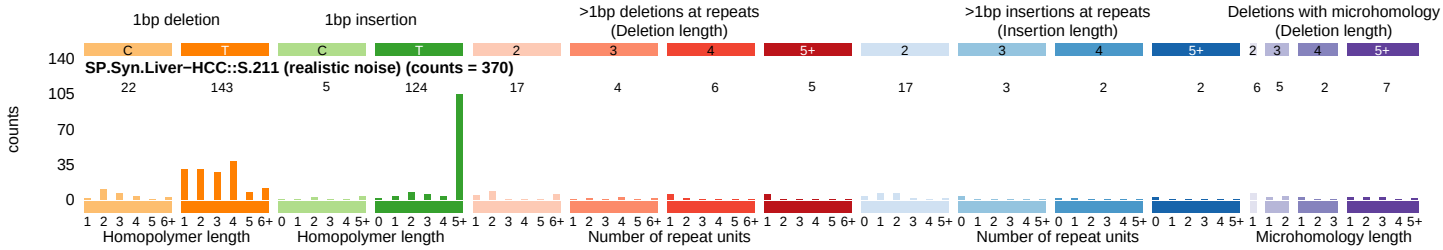

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.206 (realistic noise) (counts = 617)
157 84 34 153 24 8 4 50 5 2 1 9 3 6 7 70
counts
Homopolymer length
Number of repeat units
Microhomology length

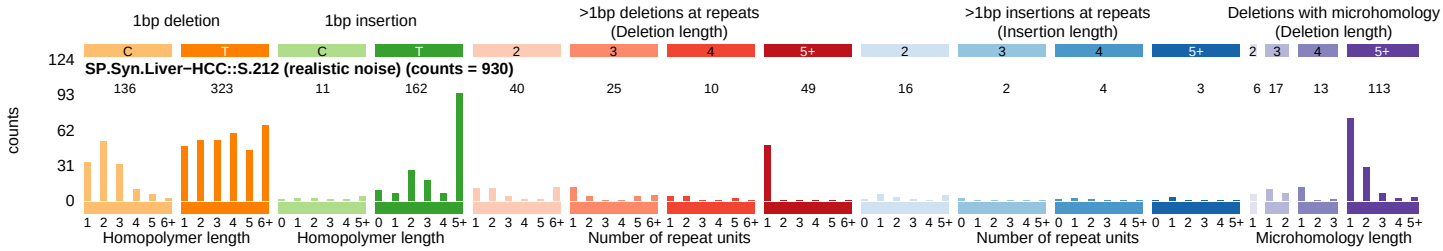

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.207 (realistic noise) (counts = 617)
138 153 7 108 31 10 7 35 15 2 1 4 8 5 4 89
counts
Homopolymer length
Number of repeat units
Microhomology length

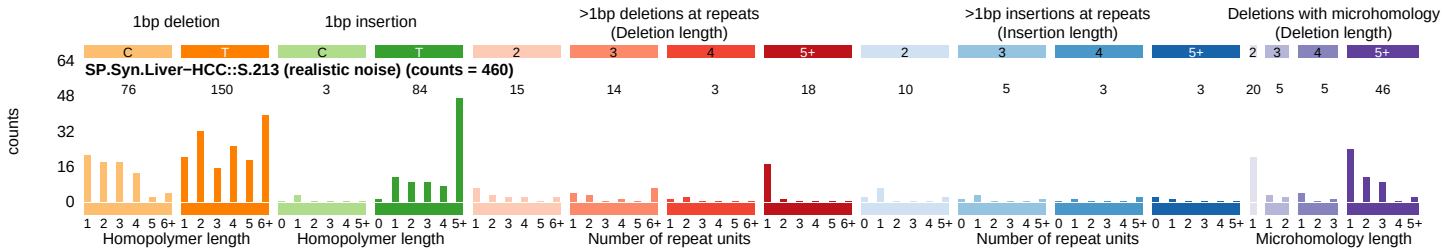

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.208 (realistic noise) (counts = 470)
124 126 5 78 26 8 7 32 6 1 1 5 10 2 2 37
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.209 (realistic noise) (counts = 604)
99 102 11 178 16 11 3 62 3 0 2 3 5 10 3 96
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.210 (realistic noise) (counts = 463)
73 118 5 134 21 9 5 20 8 2 0 3 7 5 2 51
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.211 (realistic noise) (counts = 370)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.212 (realistic noise) (counts = 930)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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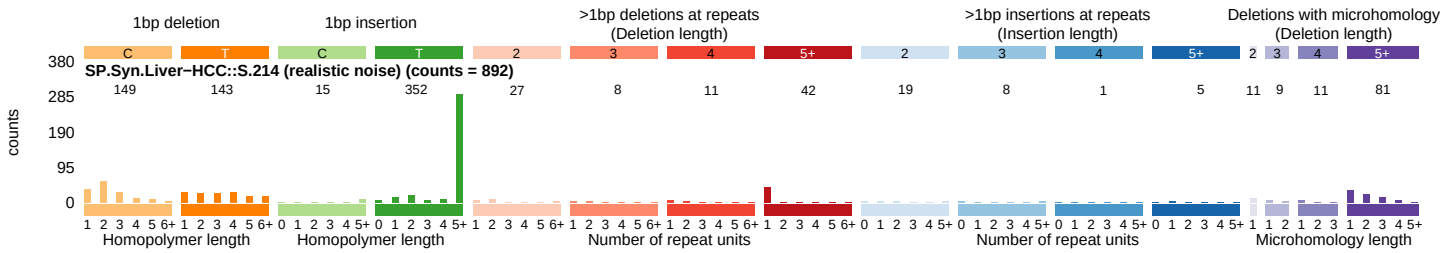
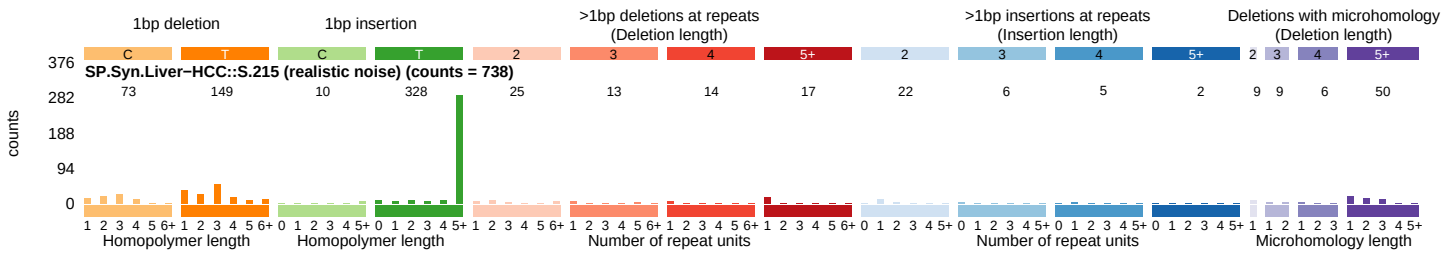
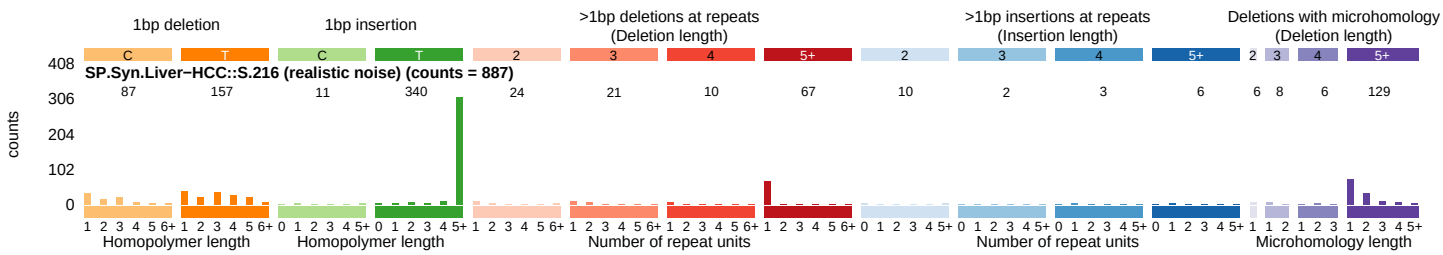
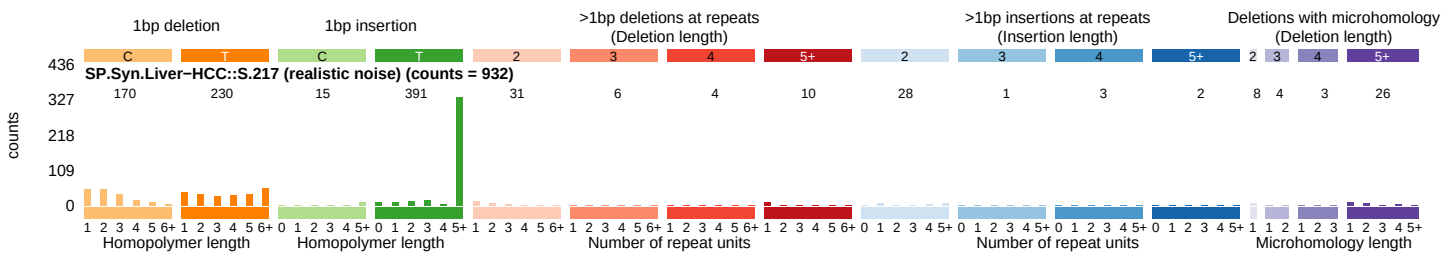
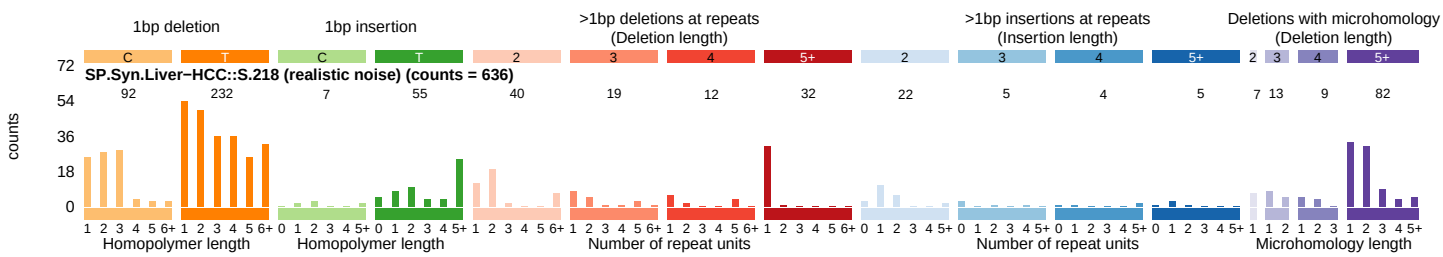
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.213 (realistic noise) (counts = 460)
counts
Homopolymer length
Number of repeat units
Microhomology length

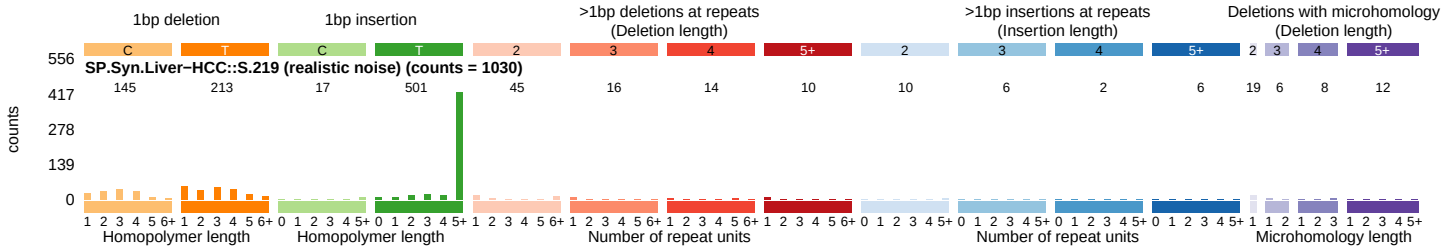

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.214 (realistic noise) (counts = 892)
counts
Homopolymer length
Number of repeat units
Microhomology length

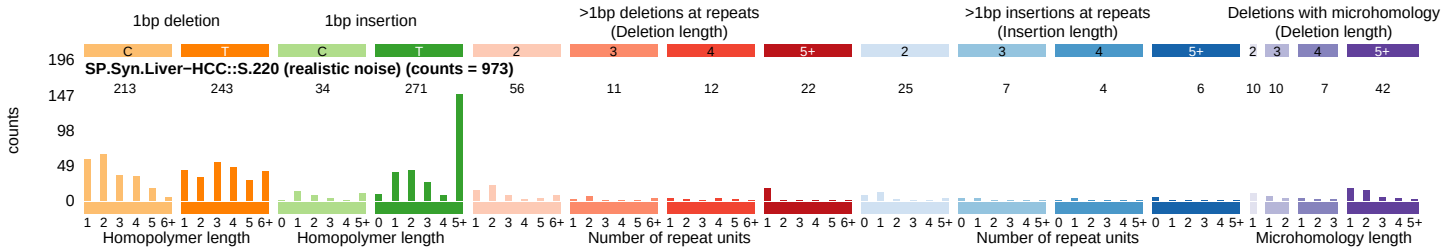

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.215 (realistic noise) (counts = 738)
counts
Homopolymer length
Number of repeat units
Microhomology length

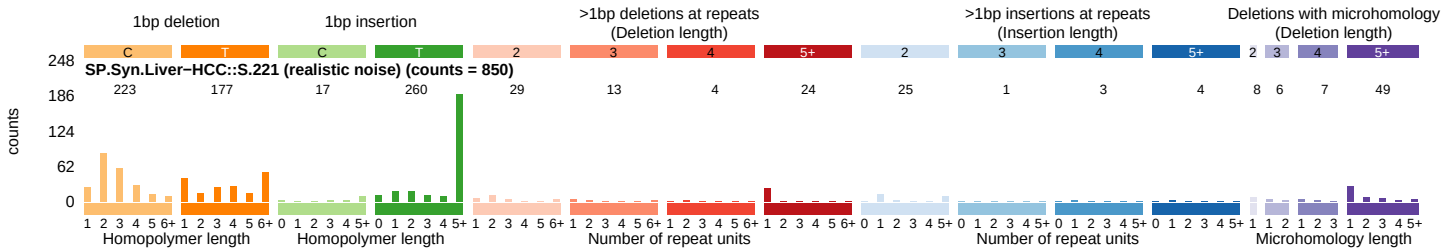

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.216 (realistic noise) (counts = 887)
counts
Homopolymer length
Number of repeat units
Microhomology length

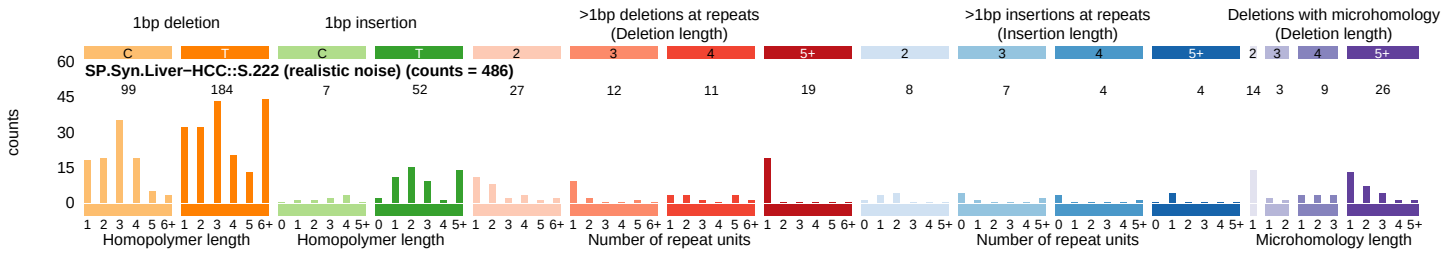

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.217 (realistic noise) (counts = 932)
counts
Homopolymer length
Number of repeat units
Microhomology length

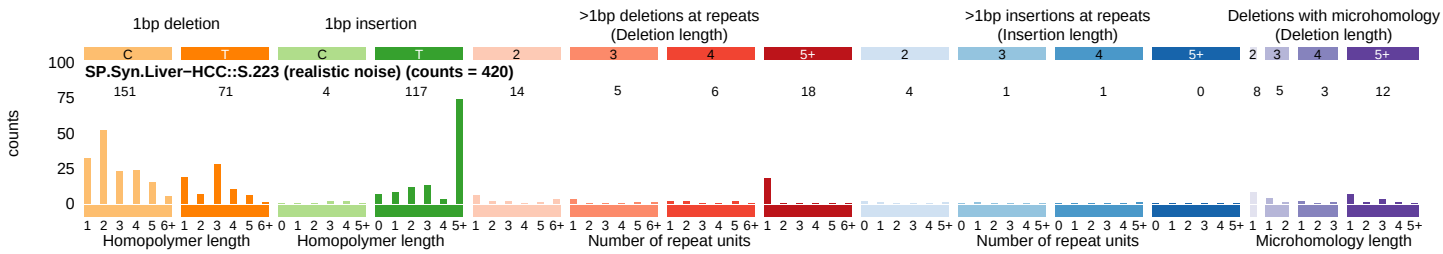

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.218 (realistic noise) (counts = 636)
counts
Homopolymer length
Number of repeat units
Microhomology length

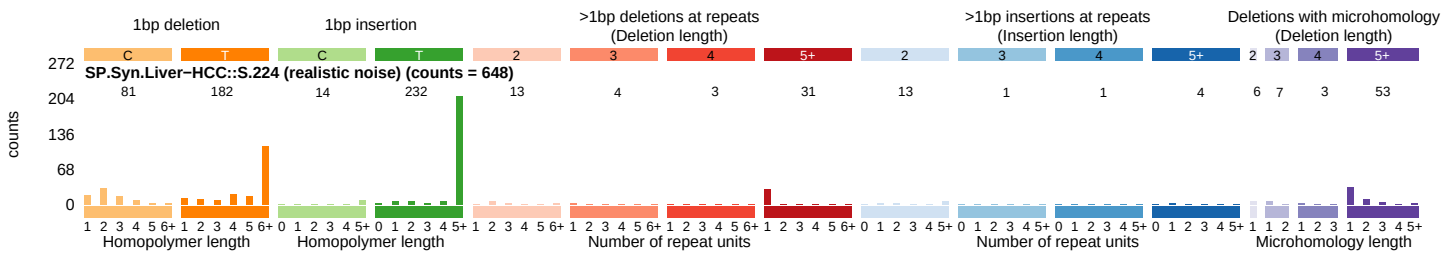

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.219 (realistic noise) (counts = 1030)
145 213 17 501 45 16 14 10 10 6 2 6 19 6 8 12
counts
Homopolymer length
Number of repeat units
Microhomology length

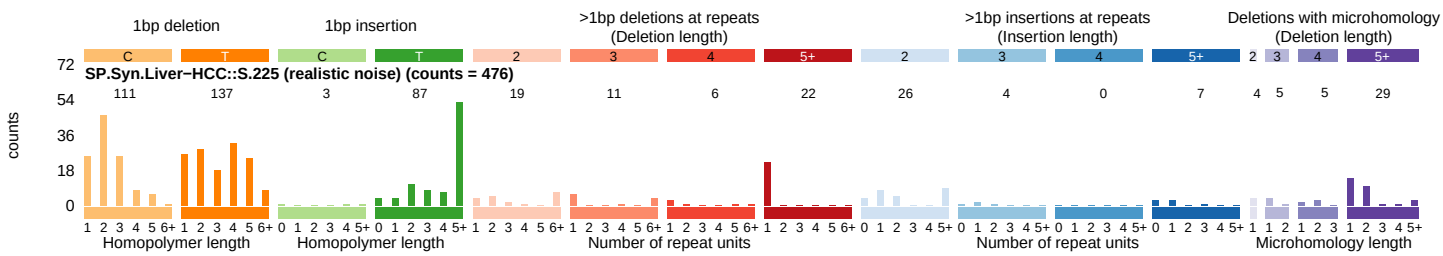

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.220 (realistic noise) (counts = 973)
213 243 34 271 56 11 12 22 25 7 4 6 10 10 7 42
counts
Homopolymer length
Number of repeat units
Microhomology length

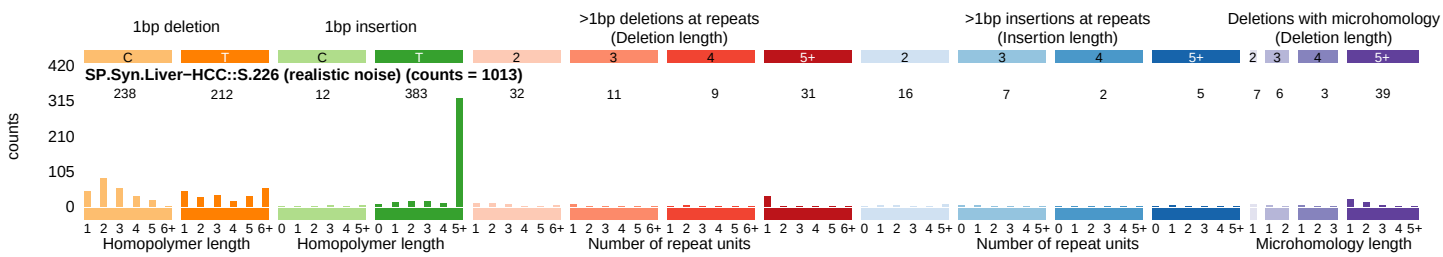

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.221 (realistic noise) (counts = 850)
223 177 17 260 29 13 4 24 25 1 3 4 8 6 7 49
counts
Homopolymer length
Number of repeat units
Microhomology length

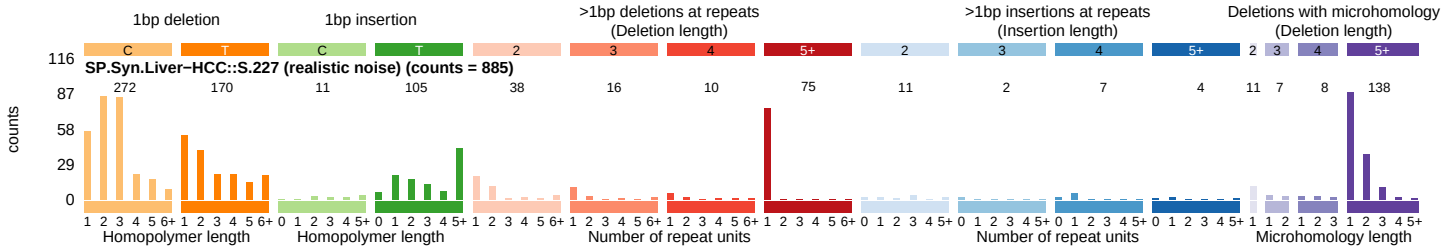

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.222 (realistic noise) (counts = 486)
99 184 7 52 27 12 11 19 8 7 4 4 14 3 9 26
counts
Homopolymer length
Number of repeat units
Microhomology length

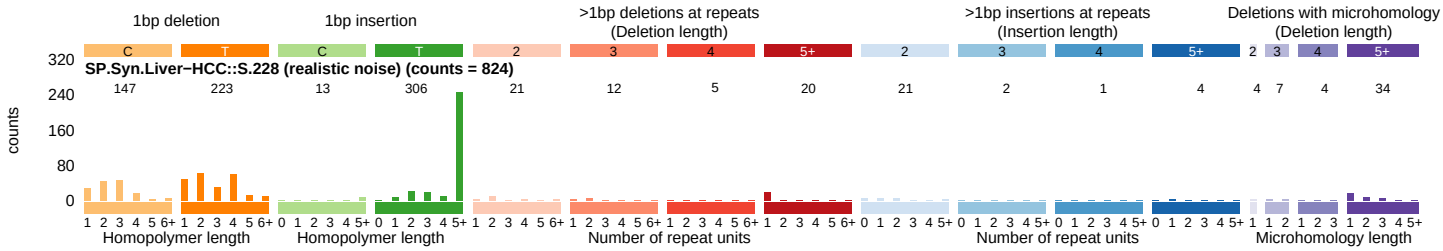

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.223 (realistic noise) (counts = 420)
151 71 4 117 14 5 6 18 4 1 1 0 8 5 3 12
counts
Homopolymer length
Number of repeat units
Microhomology length

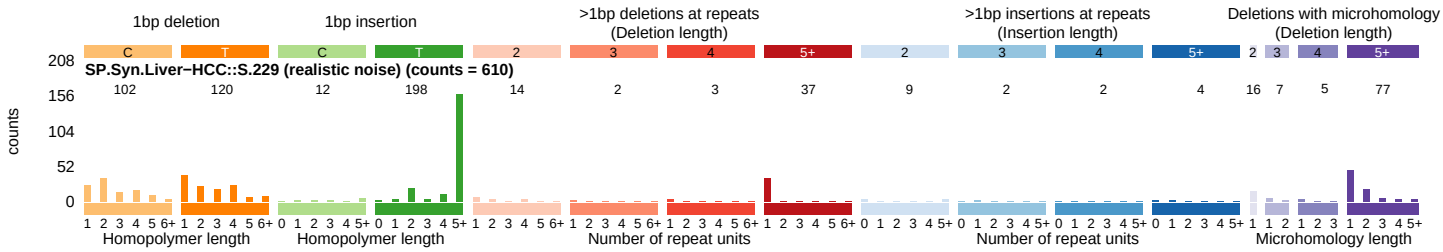

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.224 (realistic noise) (counts = 648)
81 182 14 232 13 4 3 31 13 1 1 4 6 7 3 53
counts
Homopolymer length
Number of repeat units
Microhomology length

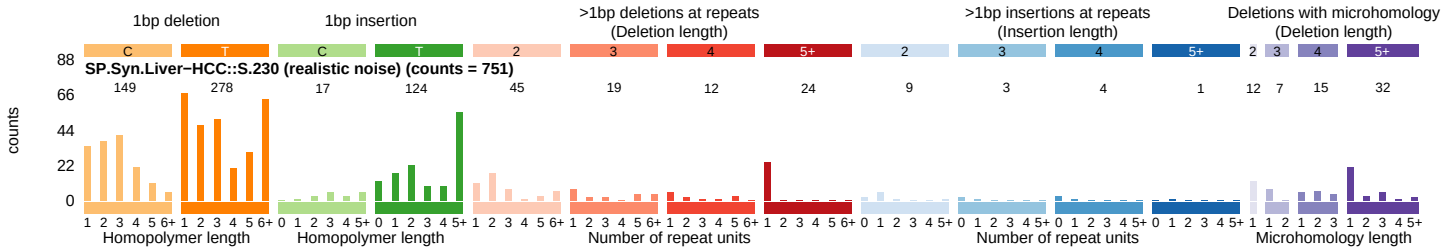

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.225 (realistic noise) (counts = 476)
111 137 3 87 19 11 6 22 26 4 0 7 4 5 5 29
counts
Homopolymer length
Number of repeat units
Microhomology length

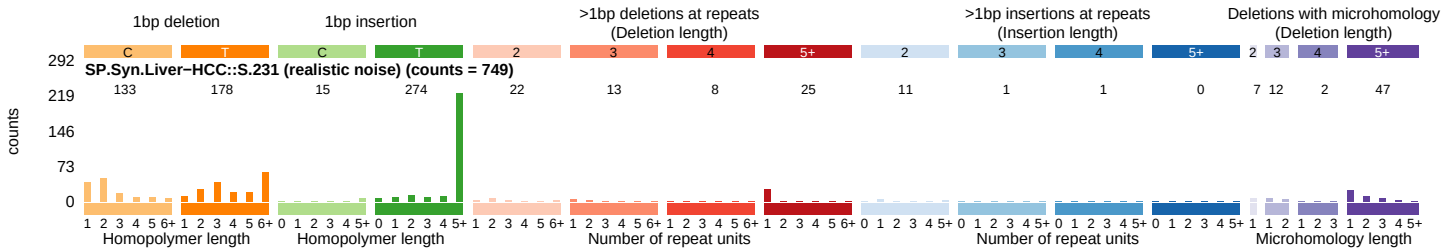

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.226 (realistic noise) (counts = 1013)
238 212 12 383 32 11 9 31 16 7 2 5 7 6 3 39
counts
Homopolymer length
Number of repeat units
Microhomology length

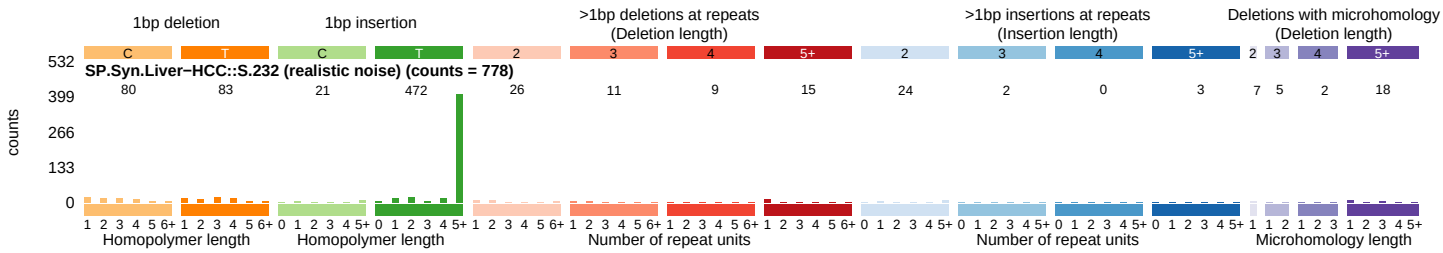

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.227 (realistic noise) (counts = 885)
counts
Homopolymer length
Number of repeat units
Microhomology length

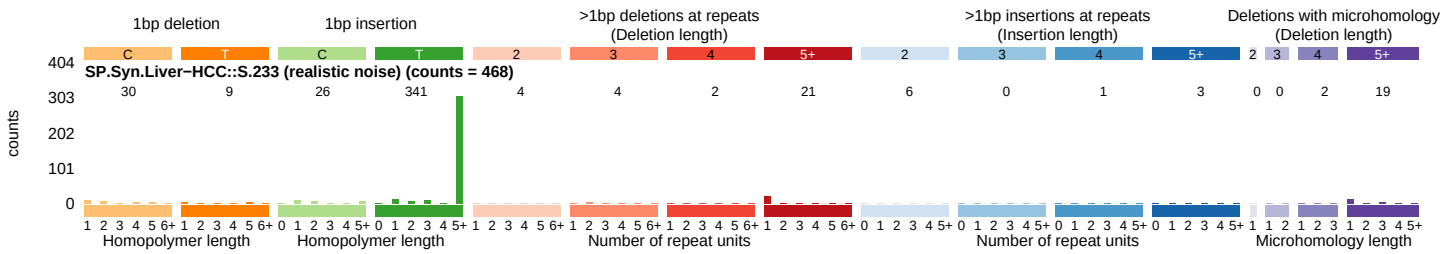

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.228 (realistic noise) (counts = 824)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.229 (realistic noise) (counts = 610)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.230 (realistic noise) (counts = 751)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.231 (realistic noise) (counts = 749)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.232 (realistic noise) (counts = 778)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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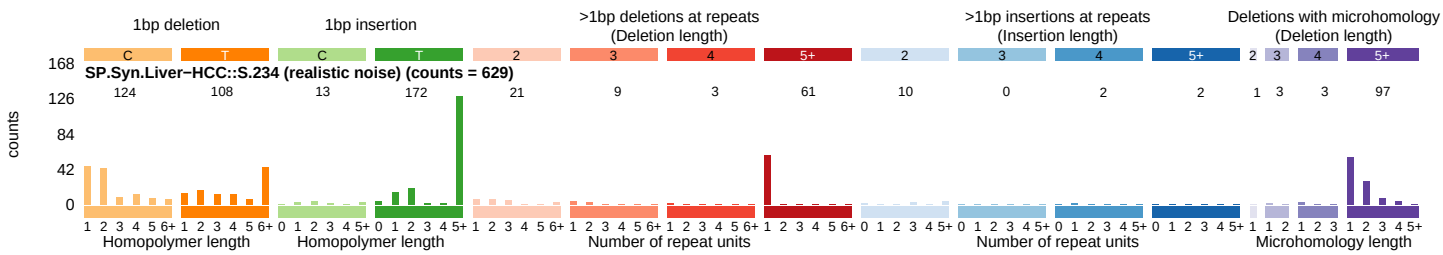
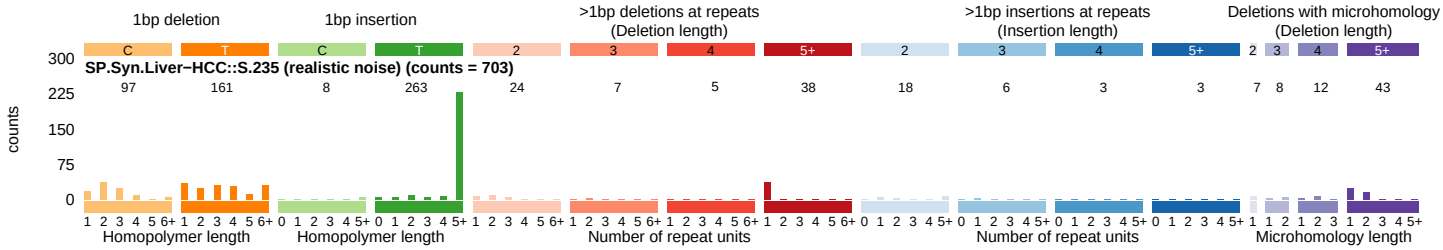
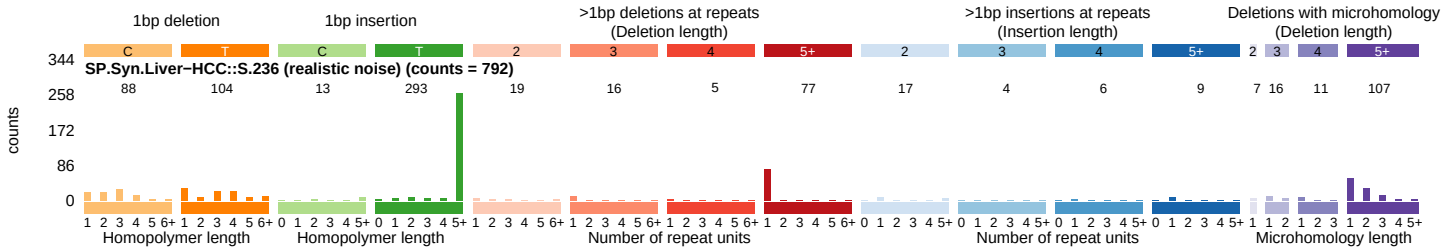
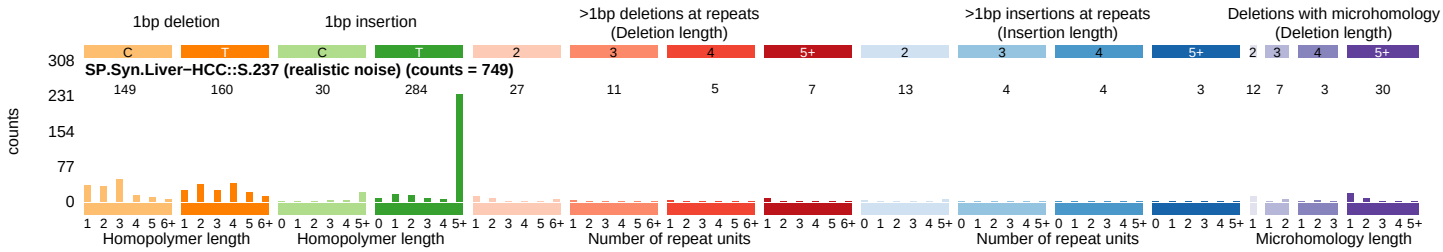
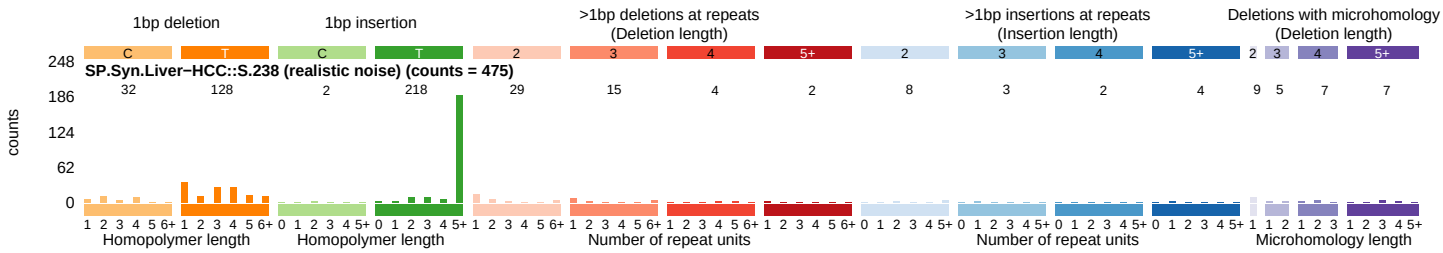
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.233 (realistic noise) (counts = 468)
counts
Homopolymer length
Number of repeat units
Microhomology length

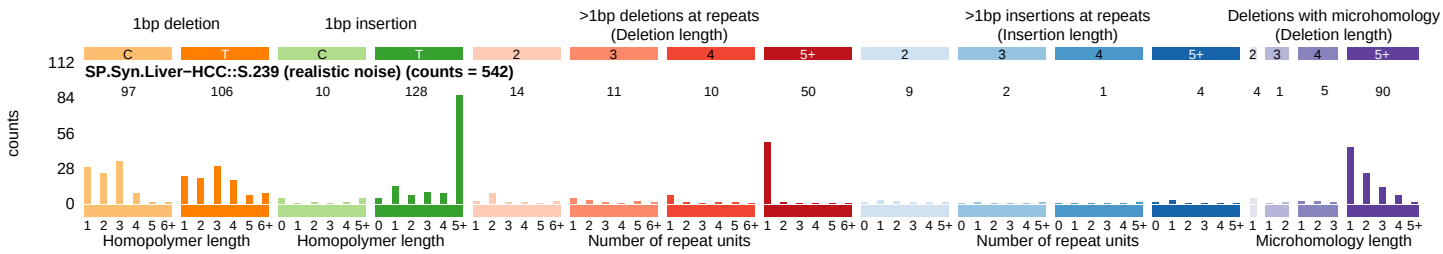

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.234 (realistic noise) (counts = 629)
counts
Homopolymer length
Number of repeat units
Microhomology length

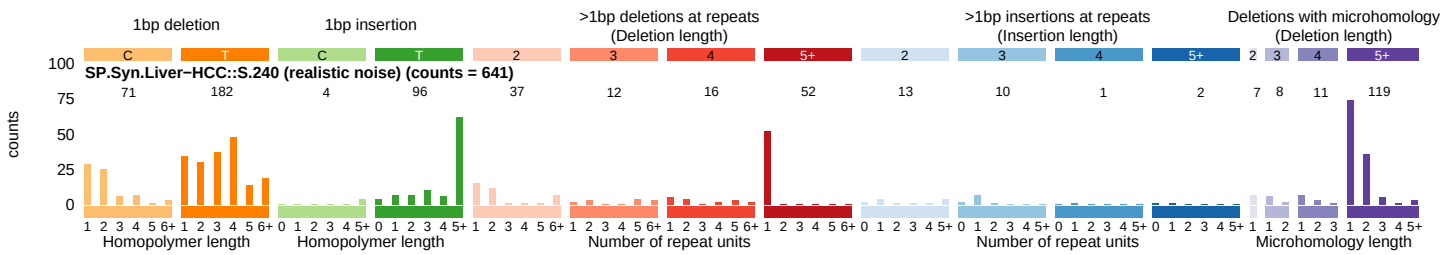

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.235 (realistic noise) (counts = 703)
97 161 8 263 24 7 5 38 18 6 3 3 7 8 12 43
counts
Homopolymer length
Number of repeat units
Microhomology length

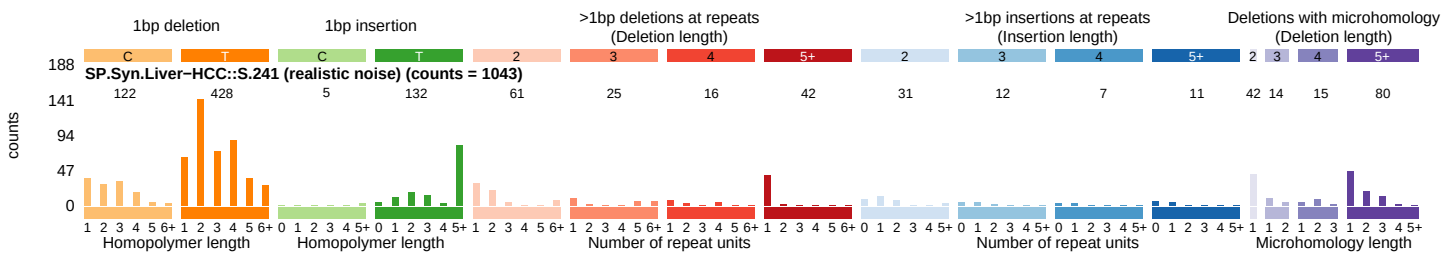

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.236 (realistic noise) (counts = 792)
88 104 13 293 19 16 5 77 17 4 6 9 7 16 11 107
counts
Homopolymer length
Number of repeat units
Microhomology length

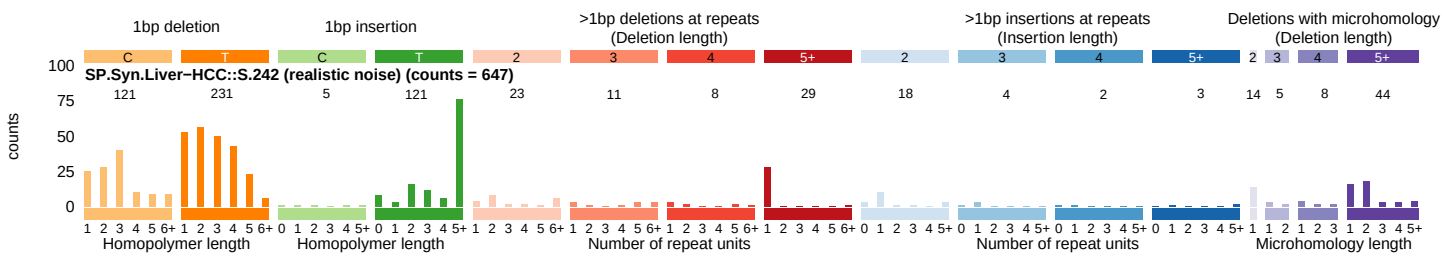

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.237 (realistic noise) (counts = 749)
149 160 30 284 27 11 5 7 13 4 4 3 12 7 3 30
counts
Homopolymer length
Number of repeat units
Microhomology length

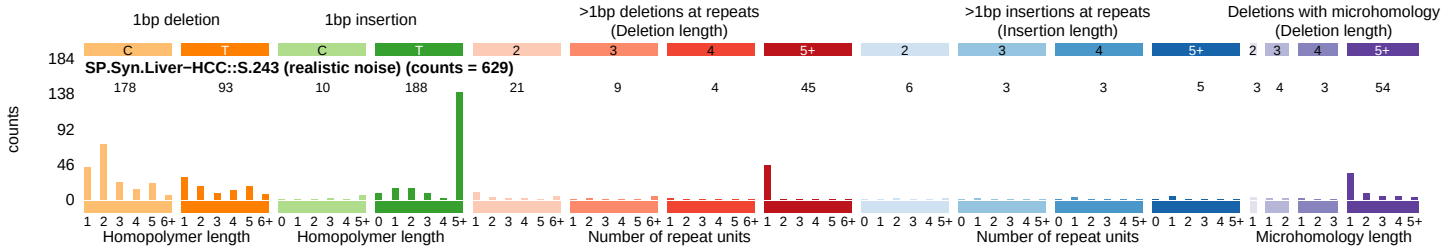

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.238 (realistic noise) (counts = 475)
32 128 2 218 29 15 4 2 8 3 2 4 9 5 7 7
counts
Homopolymer length
Number of repeat units
Microhomology length

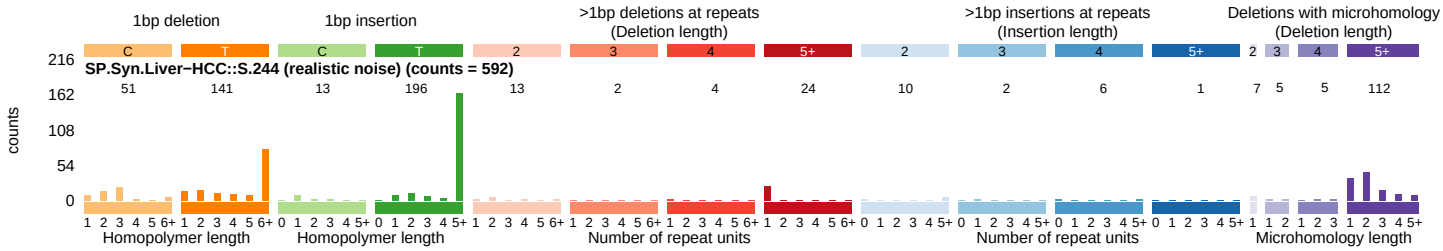

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.239 (realistic noise) (counts = 542)
97 106 10 128 14 11 10 50 9 2 1 4 4 1 5 90
counts
Homopolymer length
Number of repeat units
Microhomology length

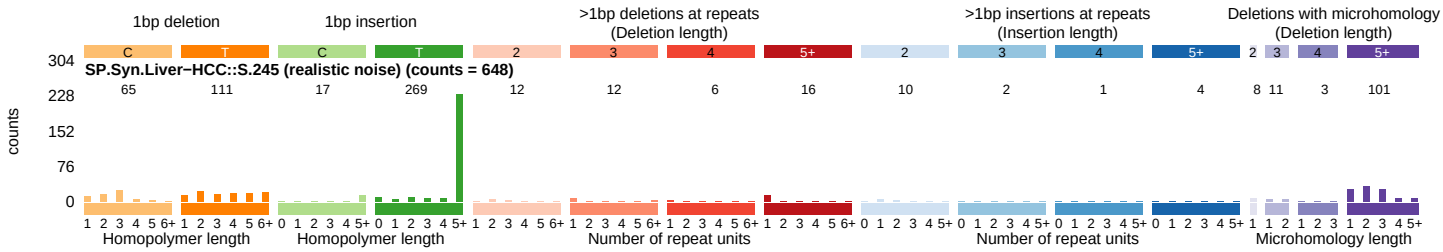

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.240 (realistic noise) (counts = 641)
71 182 4 96 37 12 16 52 13 10 1 2 7 8 11 119
counts
Homopolymer length
Number of repeat units
Microhomology length

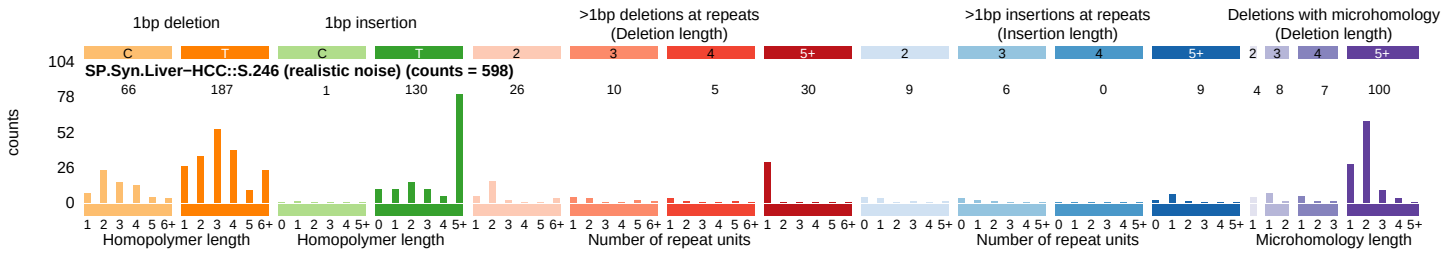

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.241 (realistic noise) (counts = 1043)
122 428 5 132 61 25 16 42 31 12 7 11 42 14 15 80
counts
Homopolymer length
Number of repeat units
Microhomology length

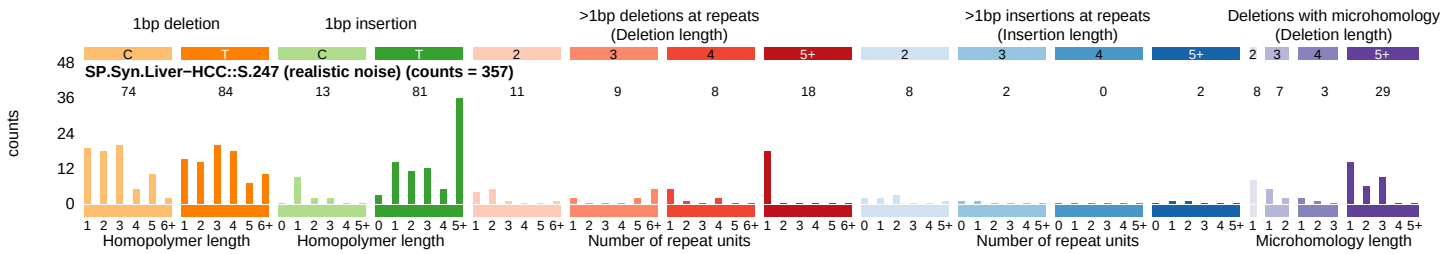

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.242 (realistic noise) (counts = 647)
121 231 5 121 23 11 8 29 18 4 2 3 14 5 8 44
counts
Homopolymer length
Number of repeat units
Microhomology length

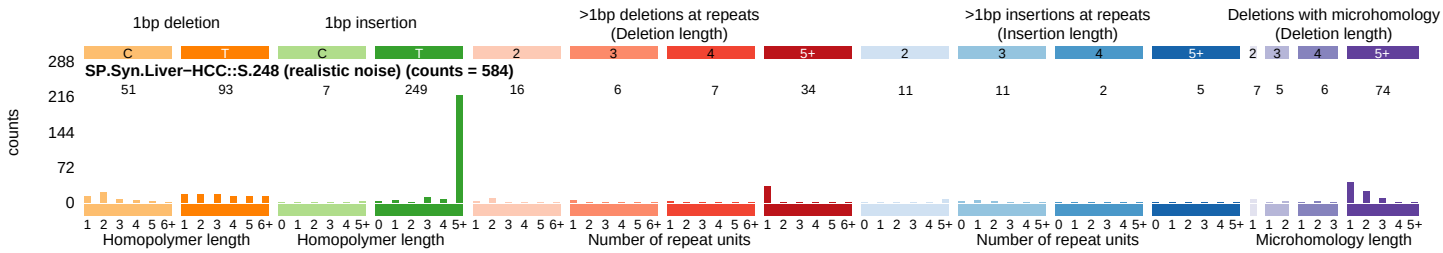

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.243 (realistic noise) (counts = 629)
178 93 10 188 21 9 4 45 6 3 3 5 3 4 3 54
counts
Homopolymer length
Number of repeat units
Microhomology length

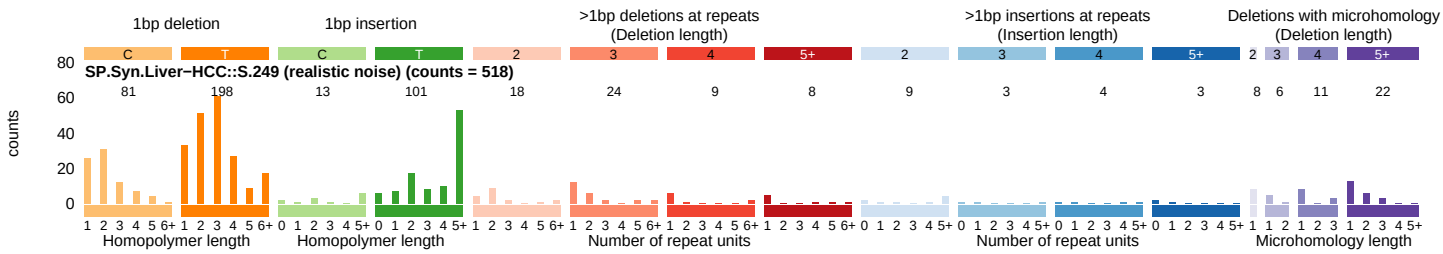

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.244 (realistic noise) (counts = 592)
51 141 13 196 13 2 4 24 10 2 6 1 7 5 5 112
counts
Homopolymer length
Number of repeat units
Microhomology length

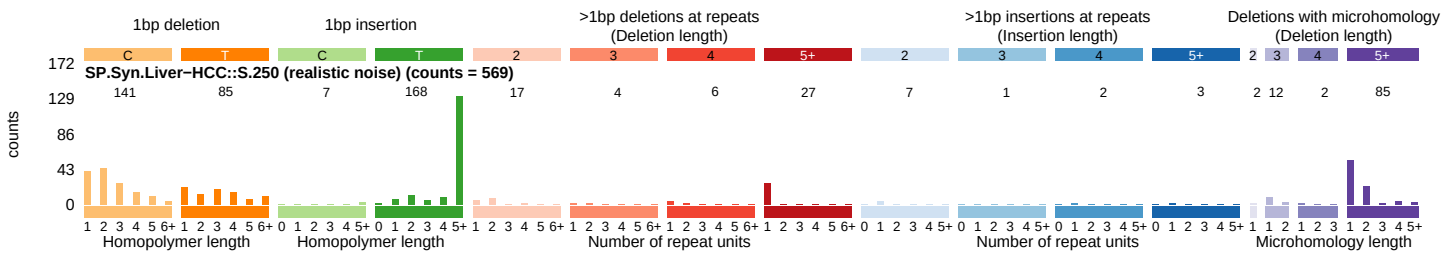

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.245 (realistic noise) (counts = 648)
65 111 17 269 12 12 6 16 10 2 1 4 8 11 3 101
counts
Homopolymer length
Number of repeat units
Microhomology length

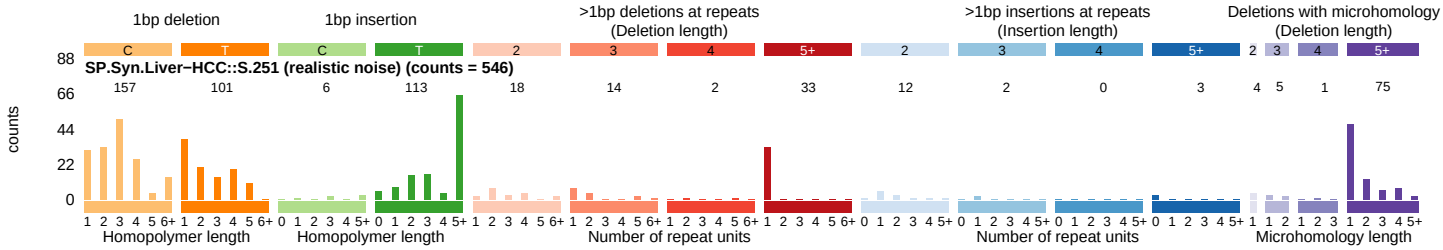

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.246 (realistic noise) (counts = 598)
66 187 1 130 26 10 5 30 9 6 0 9 4 8 7 100
counts
Homopolymer length
Number of repeat units
Microhomology length

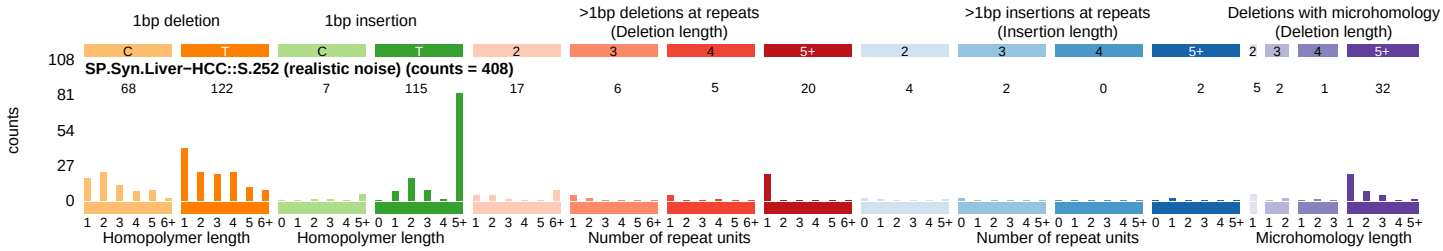

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.247 (realistic noise) (counts = 357)
74 84 13 81 11 9 8 18 8 2 0 2 8 7 3 29
counts
Homopolymer length
Number of repeat units
Microhomology length

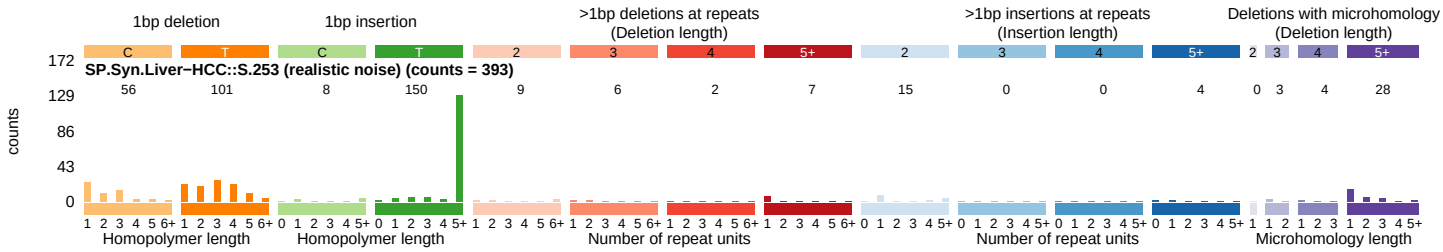

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.248 (realistic noise) (counts = 584)
51 93 7 249 16 6 7 34 11 11 2 5 7 5 6 74
counts
Homopolymer length
Number of repeat units
Microhomology length

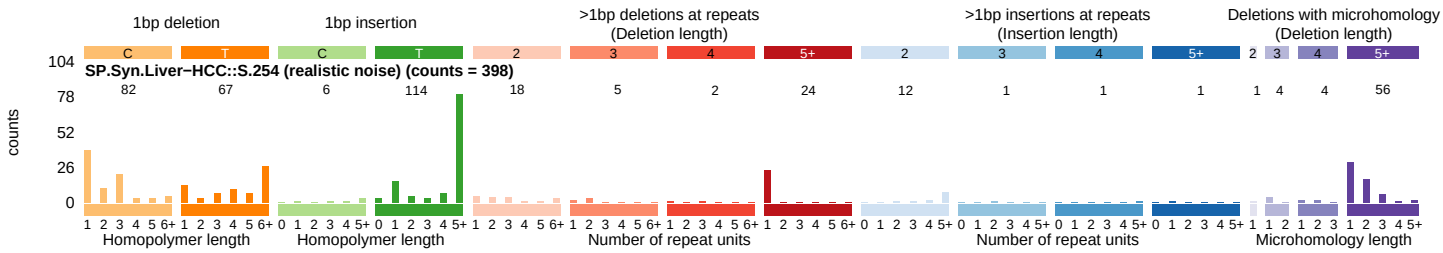

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.249 (realistic noise) (counts = 518)
81 198 13 101 18 24 9 8 9 3 4 3 8 6 11 22
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.250 (realistic noise) (counts = 569)
141 85 7 168 17 4 6 27 7 1 2 3 2 12 2 85
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.251 (realistic noise) (counts = 546)
157 101 6 113 18 14 2 33 12 2 0 3 4 5 1 75
counts
88 66 44 22 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.252 (realistic noise) (counts = 408)
68 122 7 115 17 6 5 20 4 2 0 2 5 2 1 32
counts
108 81 54 27 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.253 (realistic noise) (counts = 393)
56 101 8 150 9 6 2 7 15 0 0 4 0 3 4 28
counts
172 129 86 43 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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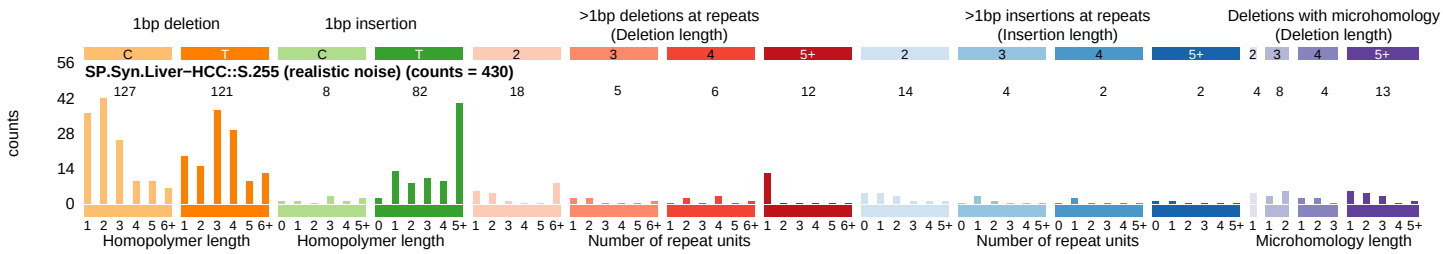
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.254 (realistic noise) (counts = 398)
82 67 6 114 18 5 2 24 12 1 1 1 1 4 4 56
counts
104 78 52 26 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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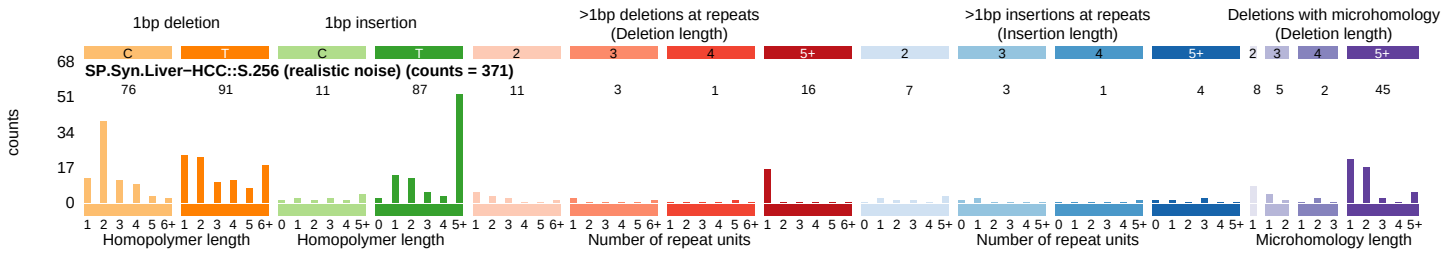
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.255 (realistic noise) (counts = 430)
127 121 8 82 18 5 6 12 14 4 2 2 4 8 4 13
counts
56 42 28 14 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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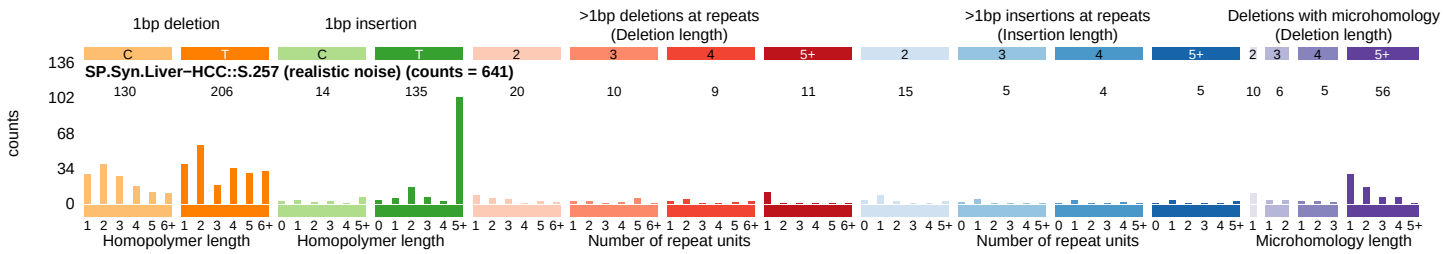
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.256 (realistic noise) (counts = 371)
76 91 11 87 11 3 1 16 7 3 1 4 8 5 2 45
counts
68 51 34 17 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
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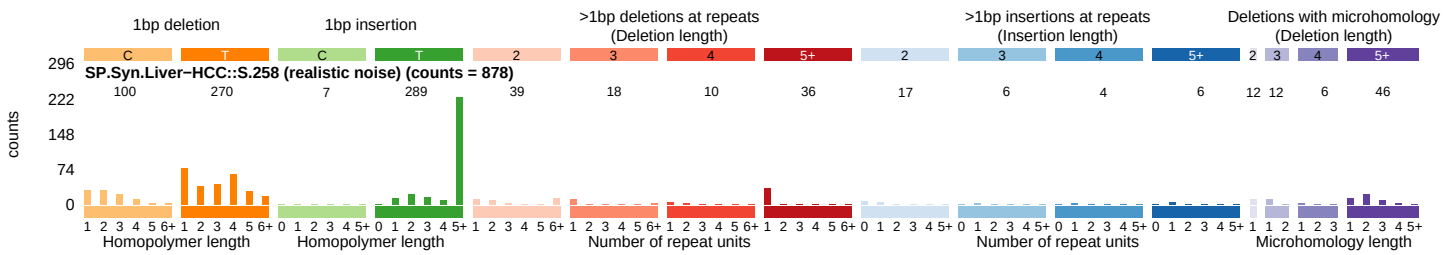
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.257 (realistic noise) (counts = 641)
130 206 14 135 20 10 9 11 15 5 4 5 10 6 5 56
counts
136 102 68 34 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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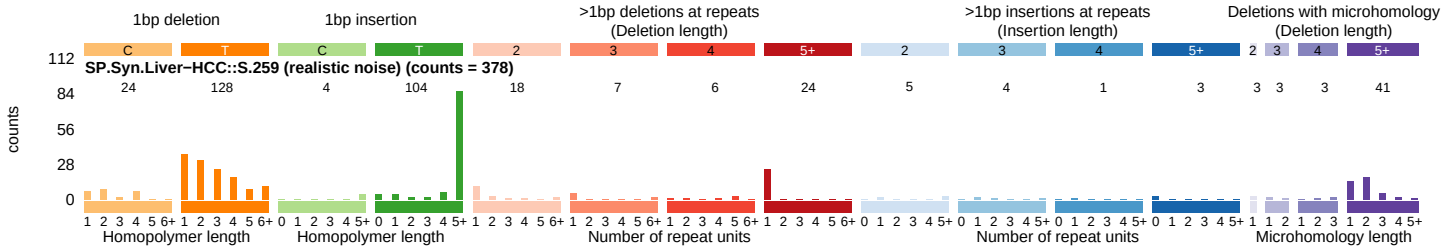
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.258 (realistic noise) (counts = 878)
100 270 7 289 39 18 10 36 17 6 4 6 12 12 6 46
counts
296 222 148 74 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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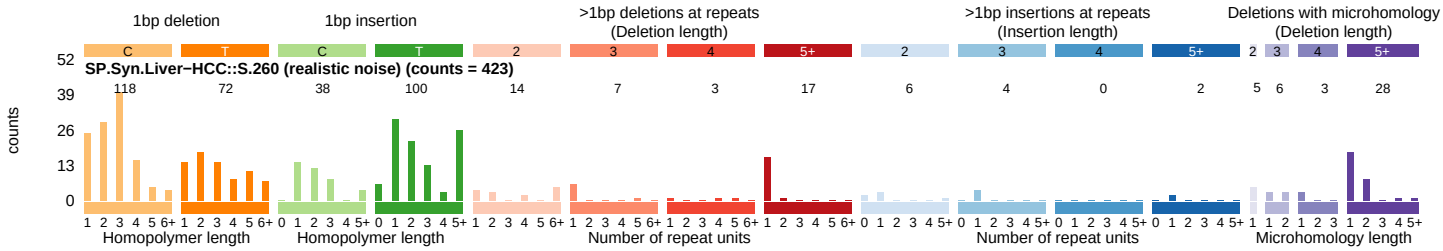
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.259 (realistic noise) (counts = 378)
counts
Homopolymer length
Number of repeat units
Microhomology length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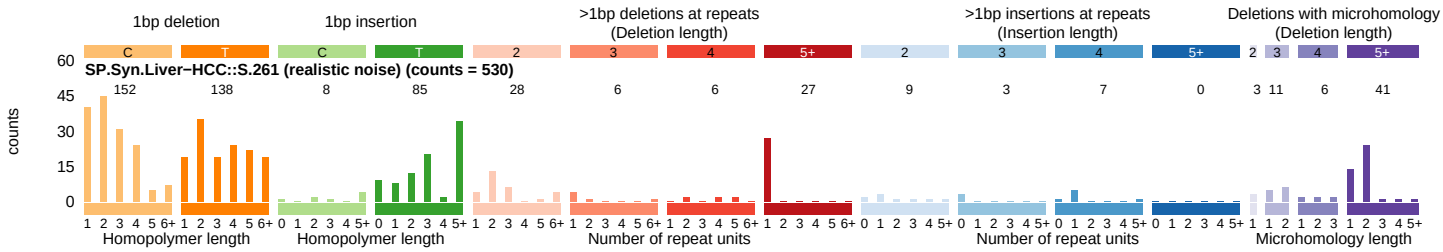
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.260 (realistic noise) (counts = 423)
counts
Homopolymer length
Number of repeat units
Microhomology length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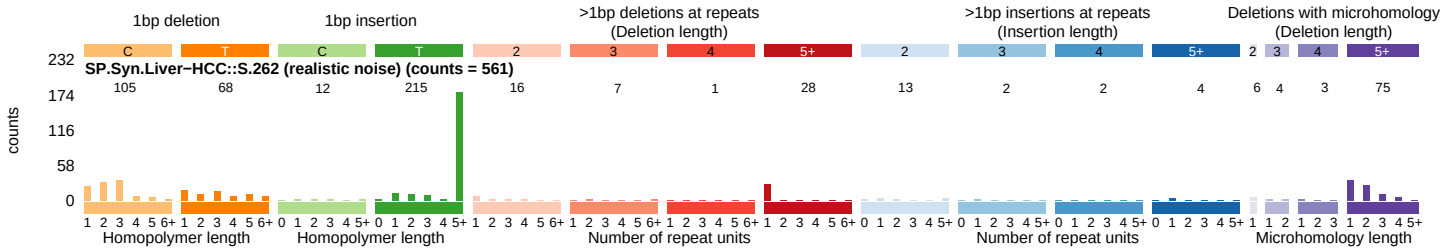
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.261 (realistic noise) (counts = 530)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
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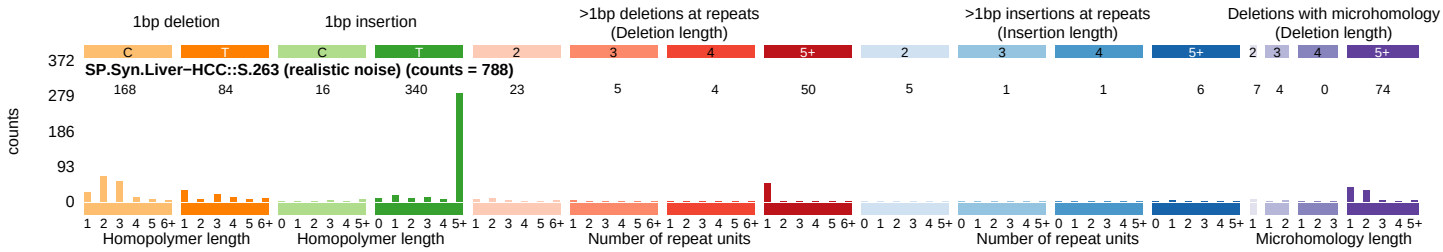
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.262 (realistic noise) (counts = 561)
counts
Homopolymer length
Number of repeat units
Microhomology length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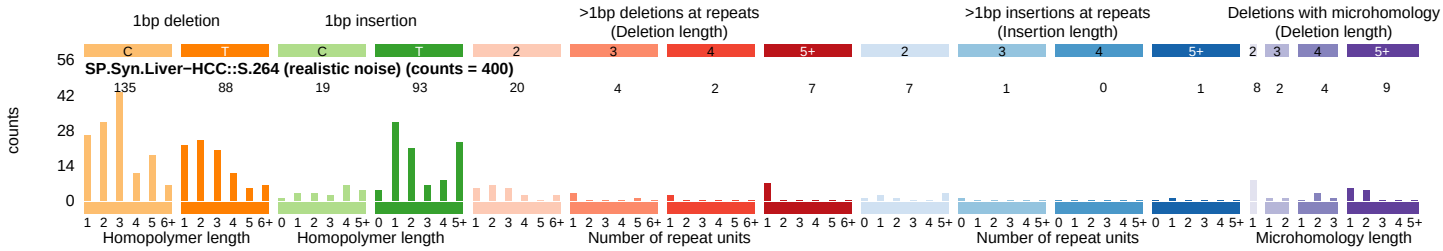
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.263 (realistic noise) (counts = 788)
counts
Homopolymer length
Number of repeat units
Microhomology length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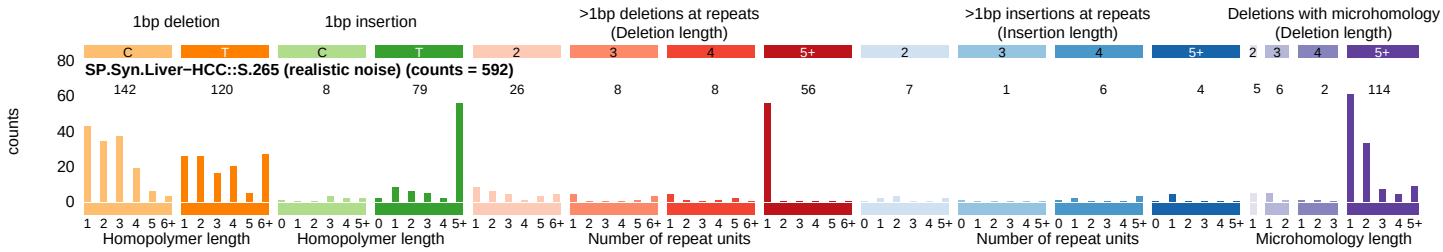
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.264 (realistic noise) (counts = 400)
counts
Homopolymer length
Number of repeat units
Microhomology length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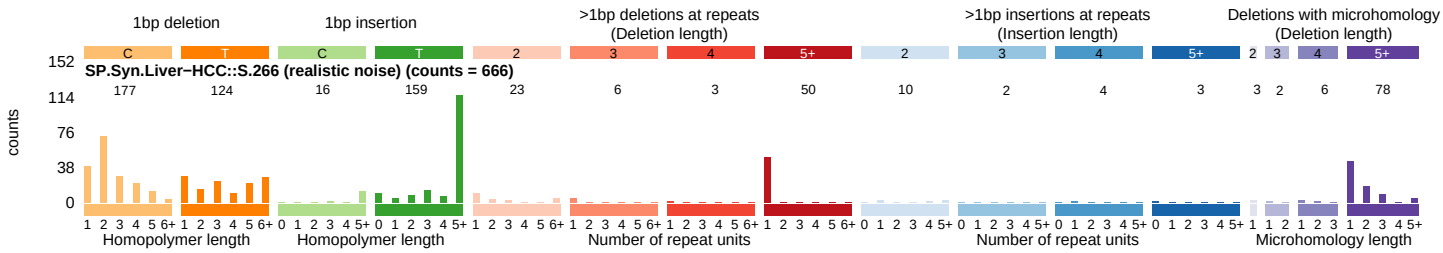
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.265 (realistic noise) (counts = 592)
counts
Homopolymer length
Number of repeat units
Microhomology length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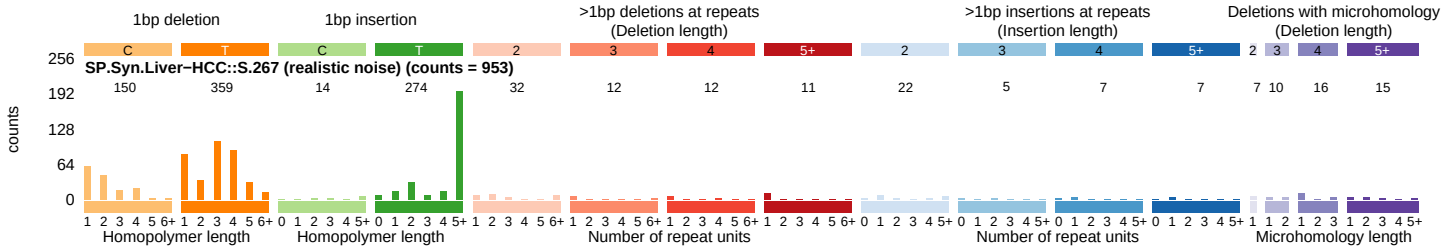
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.266 (realistic noise) (counts = 666)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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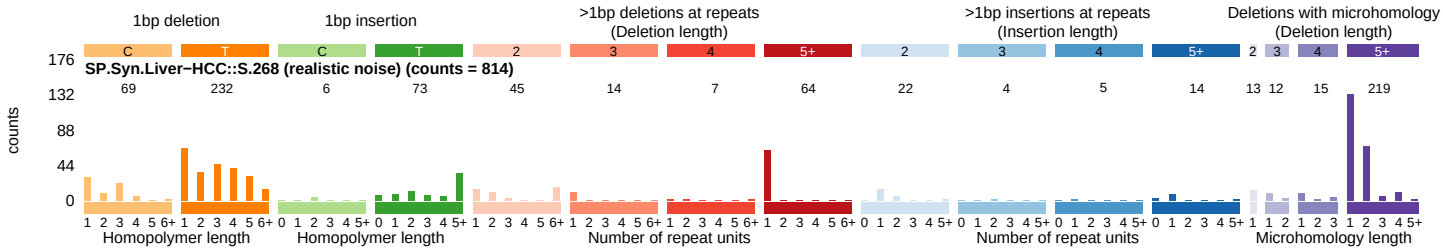
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.267 (realistic noise) (counts = 953)
counts
Homopolymer length
Number of repeat units
Microhomology length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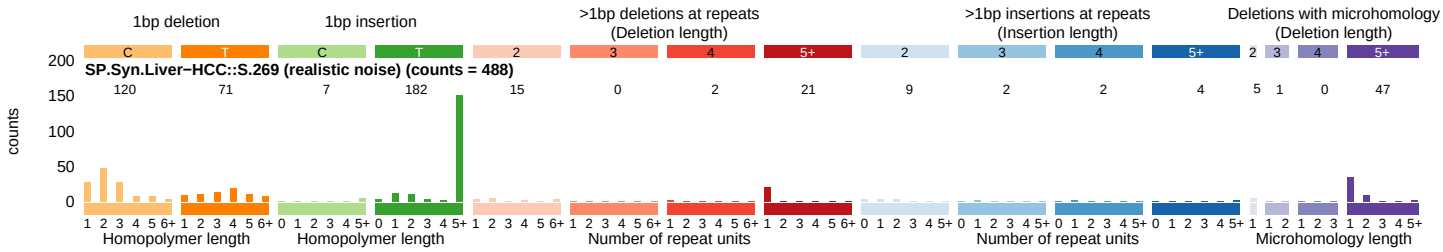
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.268 (realistic noise) (counts = 814)
counts
Homopolymer length
Number of repeat units
Microhomology length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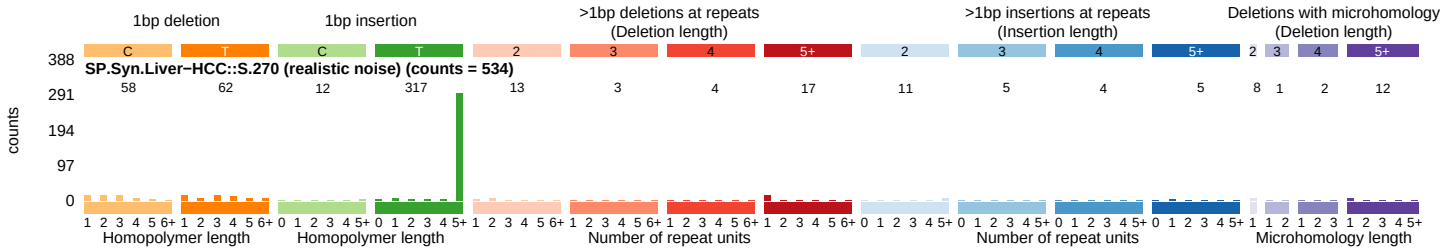
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.269 (realistic noise) (counts = 488)
counts
Homopolymer length
Number of repeat units
Microhomology length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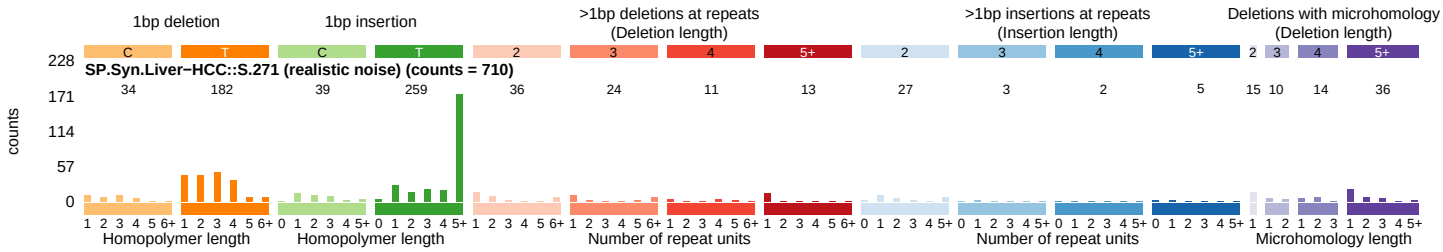
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.270 (realistic noise) (counts = 534)
counts
Homopolymer length
Number of repeat units
Microhomology length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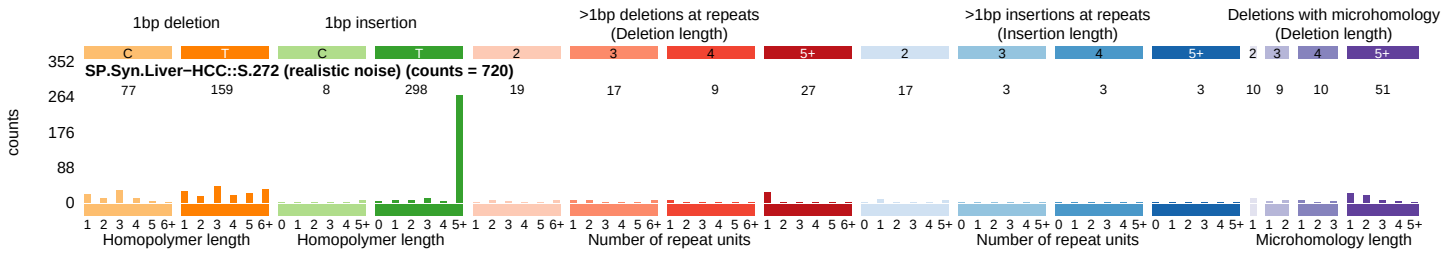
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.271 (realistic noise) (counts = 710)
counts
Homopolymer length
Number of repeat units
Microhomology length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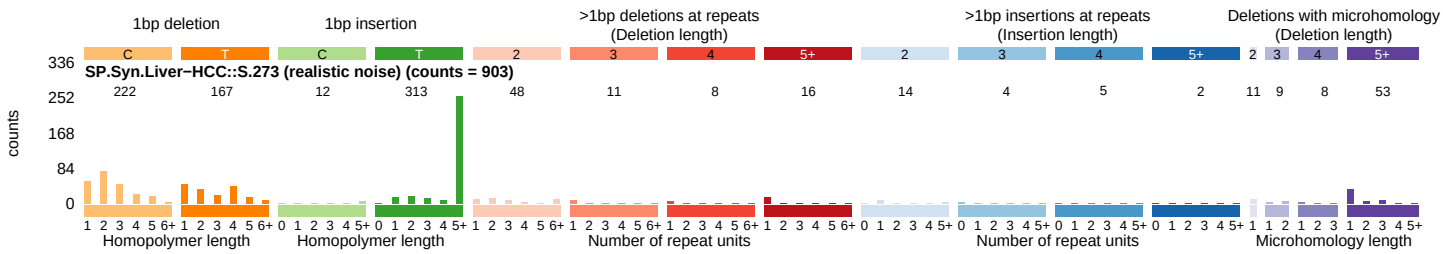
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.272 (realistic noise) (counts = 720)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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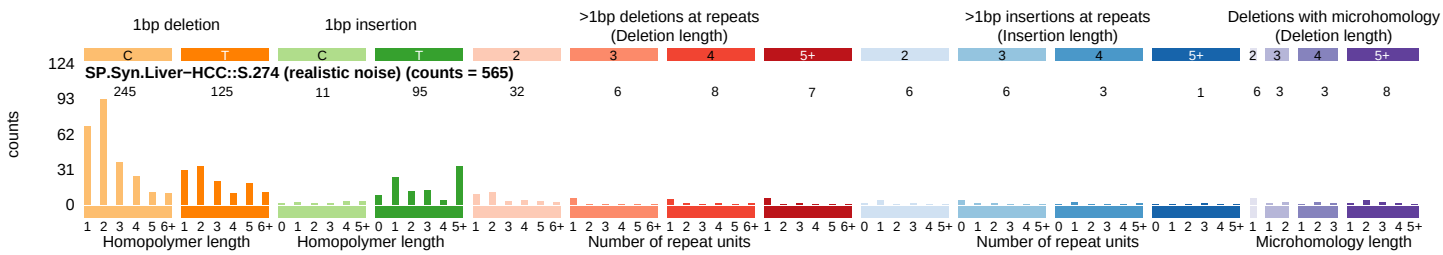
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.273 (realistic noise) (counts = 903)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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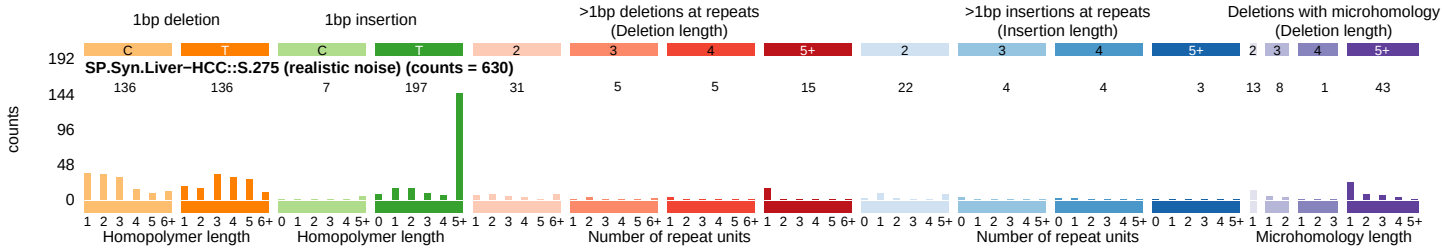
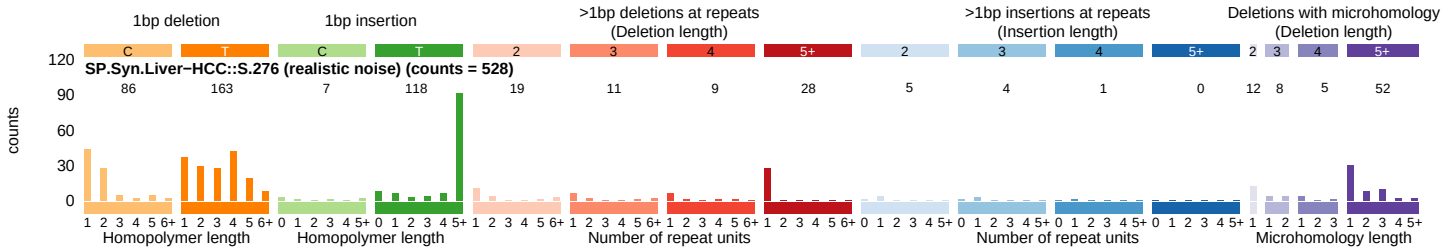
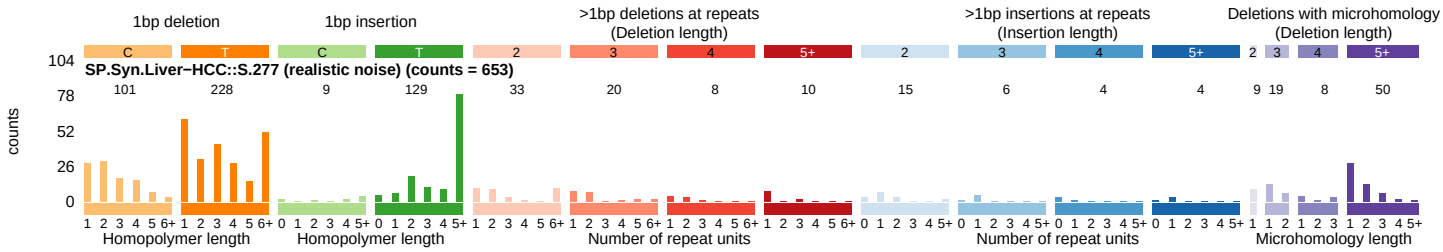
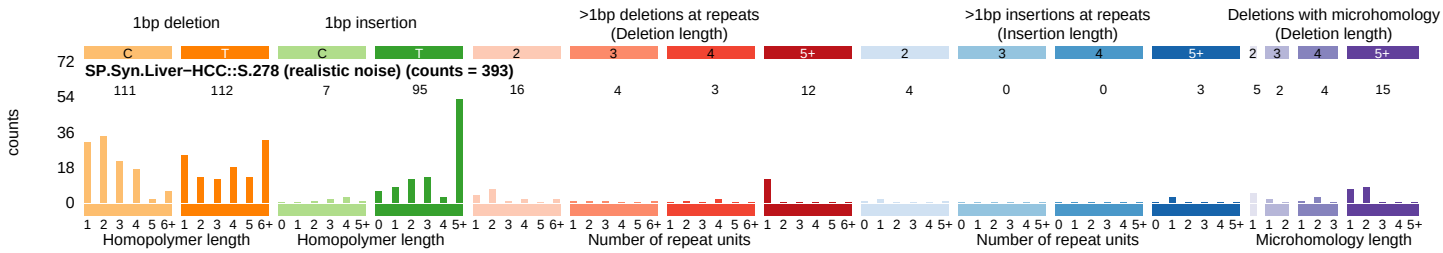
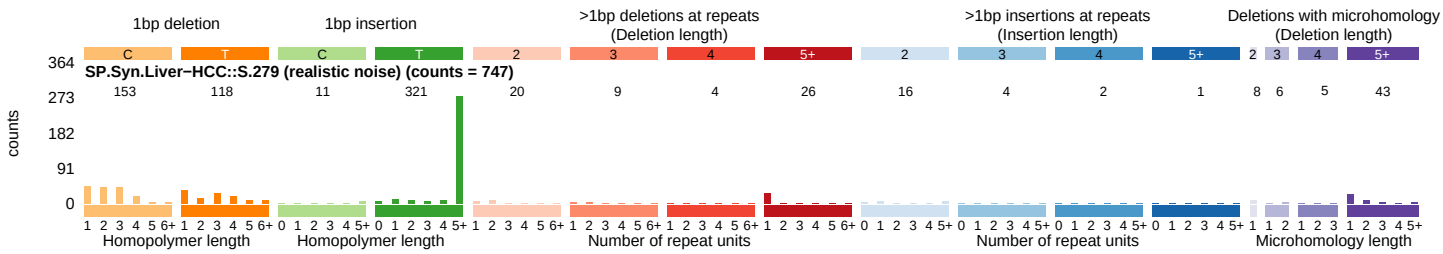
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.274 (realistic noise) (counts = 565)
counts
Homopolymer length
Number of repeat units
Microhomology length

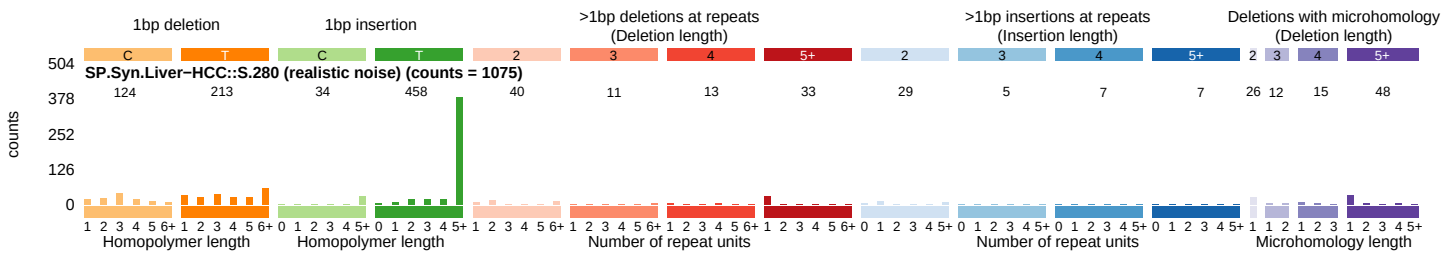

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.275 (realistic noise) (counts = 630)
136 136 7 197 31 5 5 15 22 4 4 3 13 8 1 43
counts
192 144 96 48 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

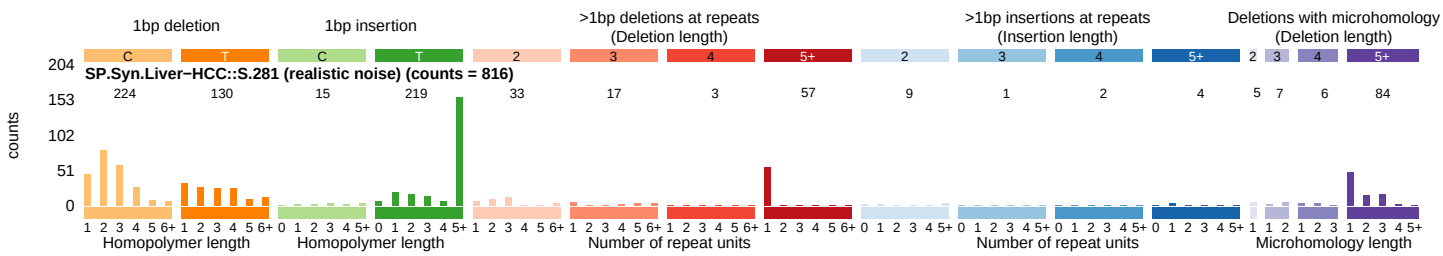

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.276 (realistic noise) (counts = 528)
86 163 7 118 19 11 9 28 5 4 1 0 12 8 5 52
counts
120 90 60 30 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.277 (realistic noise) (counts = 653)
101 228 9 129 33 20 8 10 15 6 4 4 9 19 8 50
counts
104 78 52 26 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.278 (realistic noise) (counts = 393)
111 112 7 95 16 4 3 12 4 0 0 3 5 2 4 15
counts
72 54 36 18 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.279 (realistic noise) (counts = 747)
153 118 11 321 20 9 4 26 16 4 2 1 8 6 5 43
counts
364 273 182 91 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.280 (realistic noise) (counts = 1075)
124 213 34 458 40 11 13 33 29 5 7 7 26 12 15 48
counts
504 378 252 126 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
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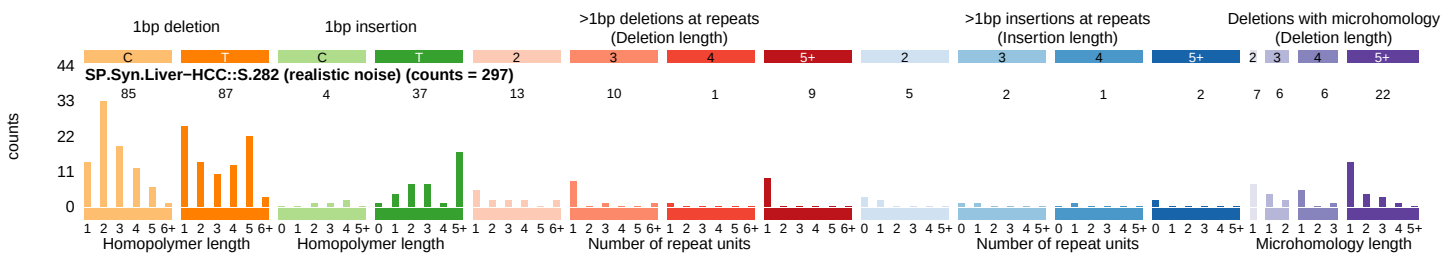
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.281 (realistic noise) (counts = 816)
224 130 15 219 33 17 3 57 9 1 2 4 5 7 6 84
counts
204 153 102 51 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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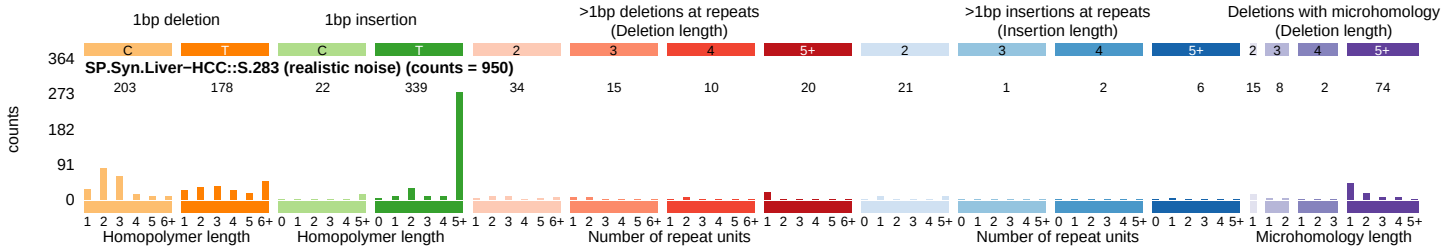
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.282 (realistic noise) (counts = 297)
85 87 4 37 13 10 1 9 5 2 1 2 7 6 6 22
counts
44 33 22 11 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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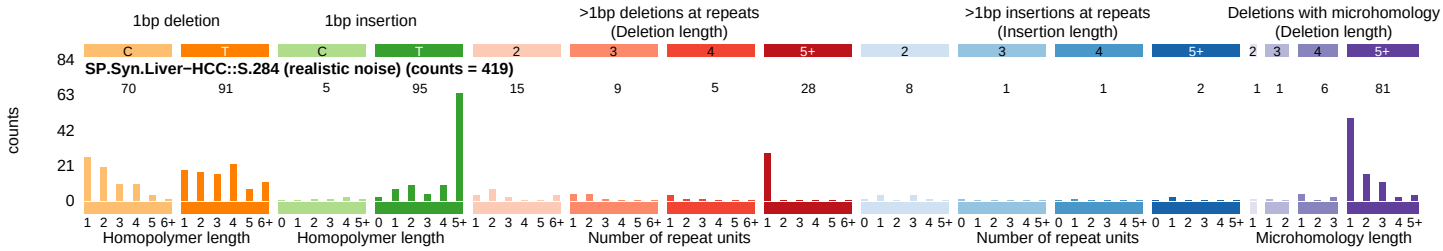
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.283 (realistic noise) (counts = 950)
203 178 22 339 34 15 10 20 21 1 2 6 15 8 2 74
counts
364 273 182 91 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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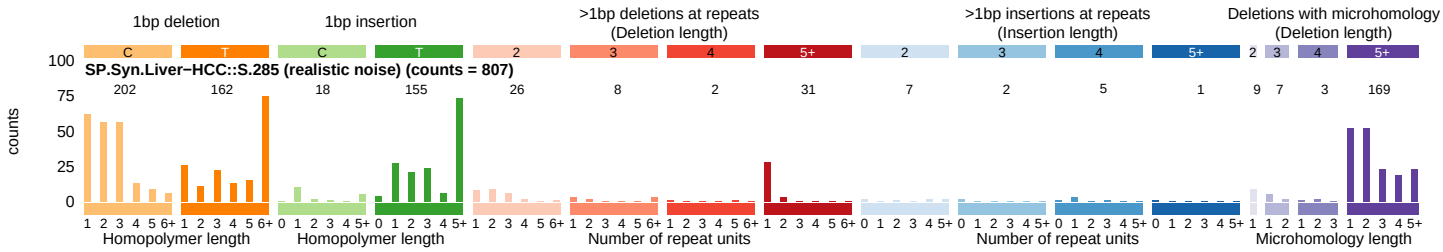
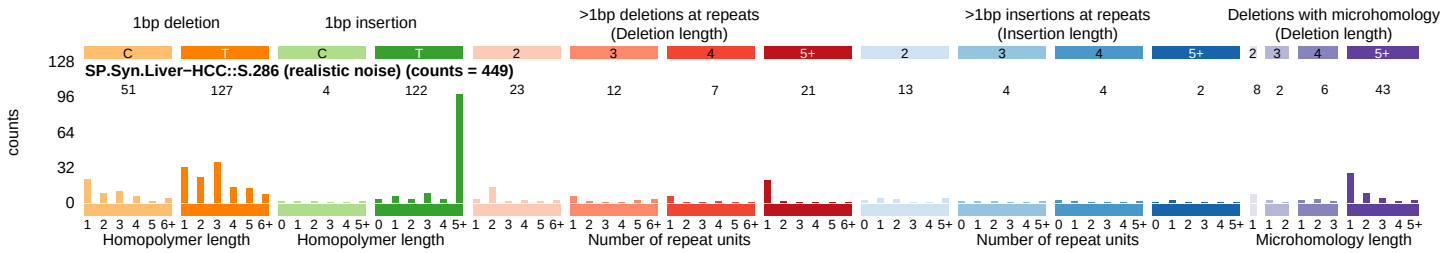
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.284 (realistic noise) (counts = 419)
70 91 5 95 15 9 5 28 8 1 1 2 1 1 6 81
counts
84 63 42 21 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.285 (realistic noise) (counts = 807)
202 162 18 155 26 8 2 31 7 2 5 1 9 7 3 169
counts
100 75 50 25 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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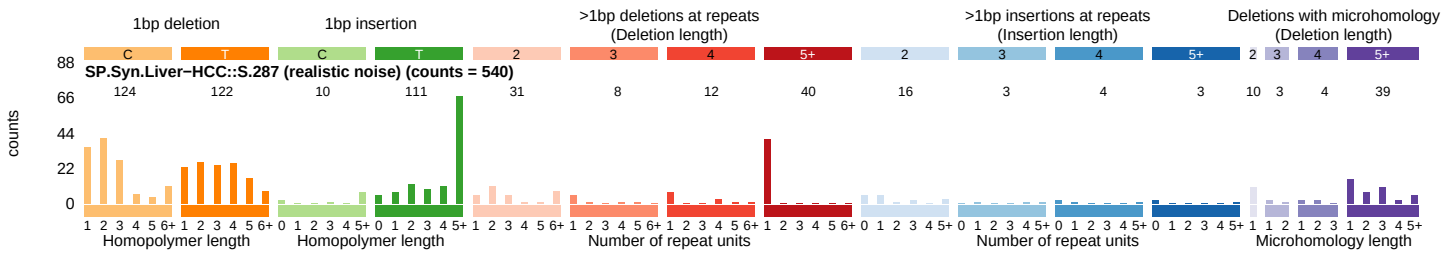
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.286 (realistic noise) (counts = 449)
51 127 4 122 23 12 7 21 13 4 4 2 8 2 6 43
counts
128 96 64 32 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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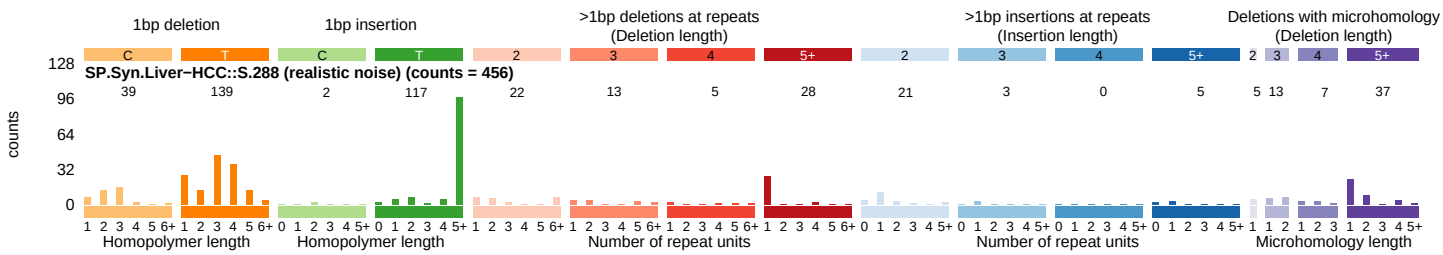
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.287 (realistic noise) (counts = 540)
124 122 10 111 31 8 12 40 16 3 4 3 10 3 4 39
counts
88 66 44 22 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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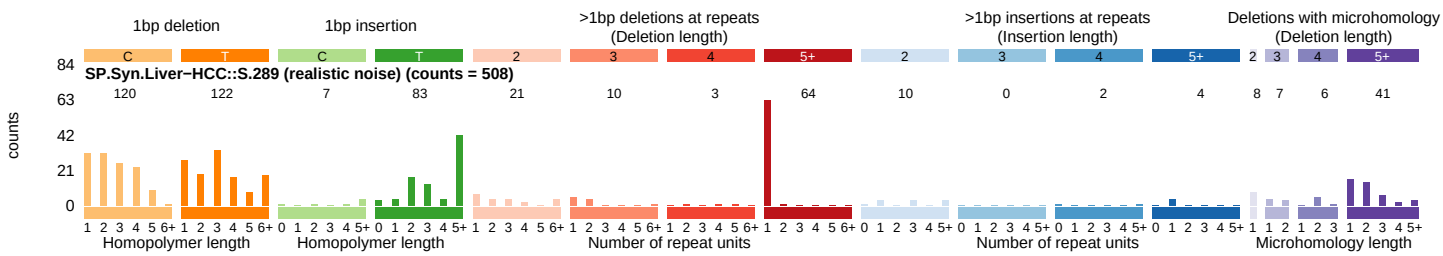
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.288 (realistic noise) (counts = 456)
39 139 2 117 22 13 5 28 21 3 0 5 5 13 7 37
counts
128 96 64 32 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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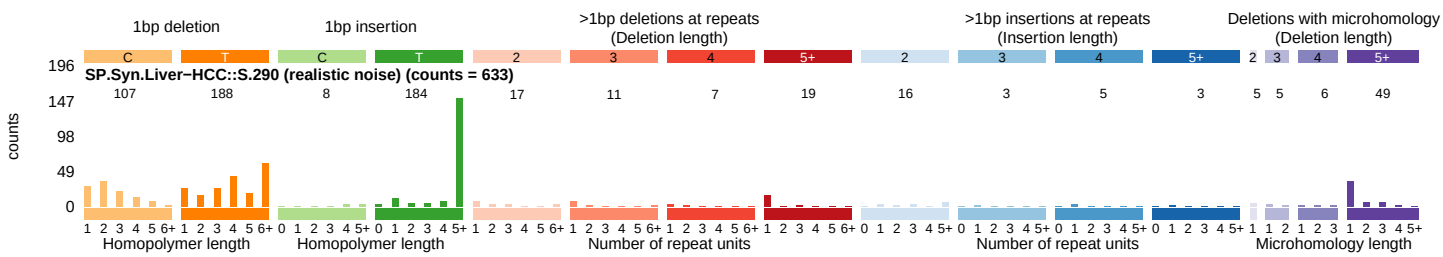
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.289 (realistic noise) (counts = 508)
120 122 7 83 21 10 3 64 10 0 2 4 8 7 6 41
counts
84 63 42 21 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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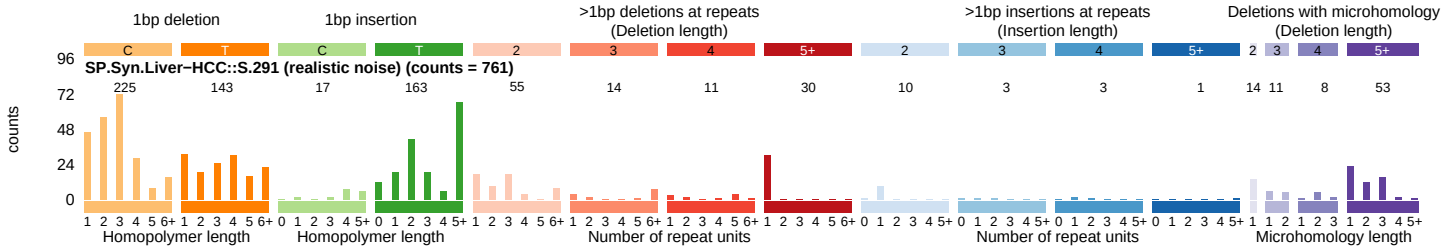
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.290 (realistic noise) (counts = 633)
107 188 8 184 17 11 7 19 16 3 5 3 5 5 6 49
counts
196 147 98 49 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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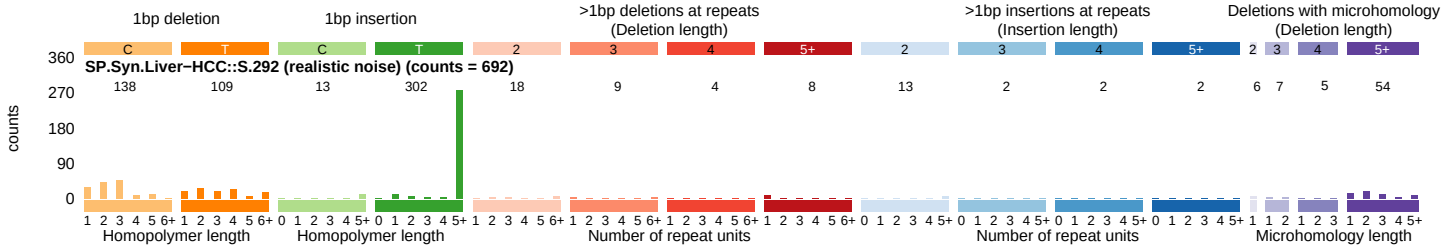
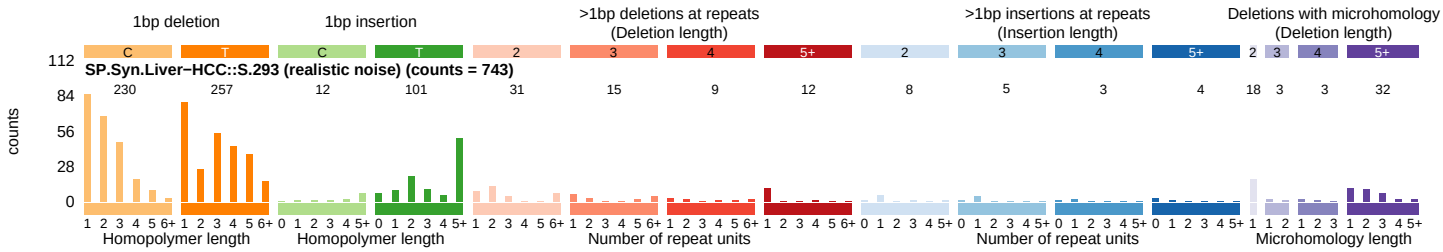
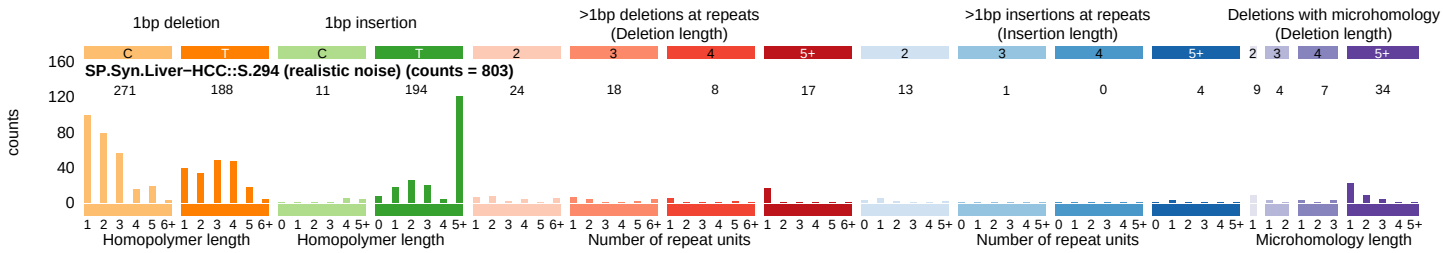
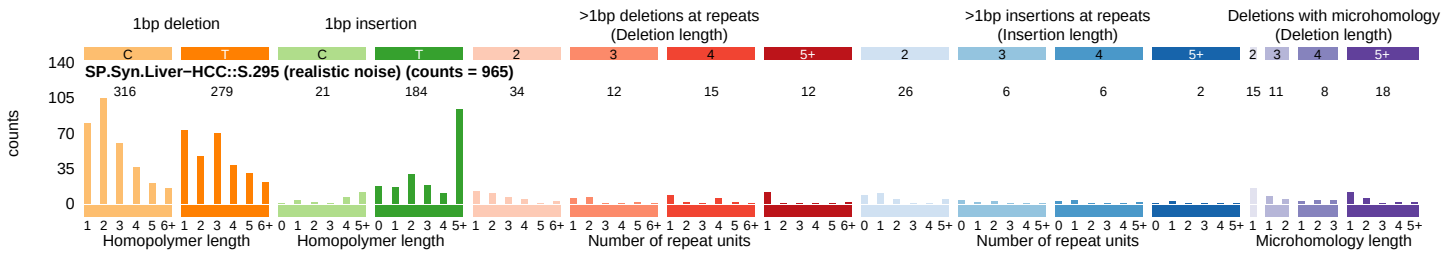
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.291 (realistic noise) (counts = 761)
225 143 17 163 55 14 11 30 10 3 3 1 14 11 8 53
counts
96 72 48 24 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.292 (realistic noise) (counts = 692)
138 109 13 302 18 9 4 8 13 2 2 2 6 7 5 54
counts
360 270 180 90 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.293 (realistic noise) (counts = 743)
230 257 12 101 31 15 9 12 8 5 3 4 18 3 3 32
counts
112 84 56 28 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.294 (realistic noise) (counts = 803)
271 188 11 194 24 18 8 17 13 1 0 4 9 4 7 34
counts
160 120 80 40 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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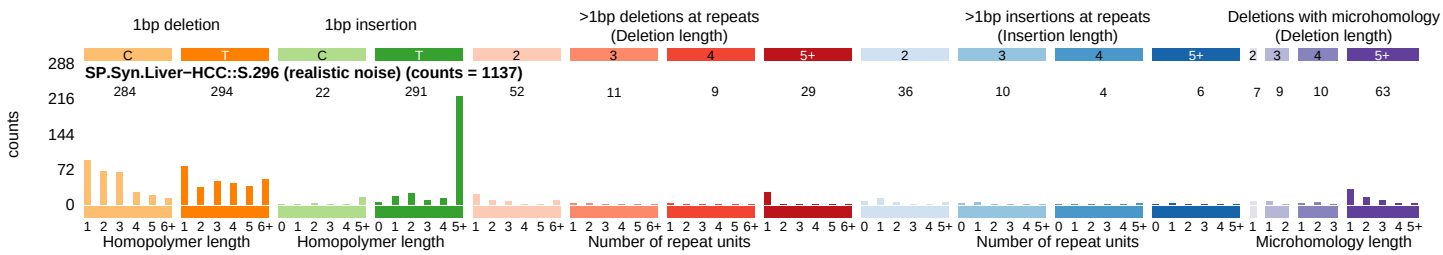
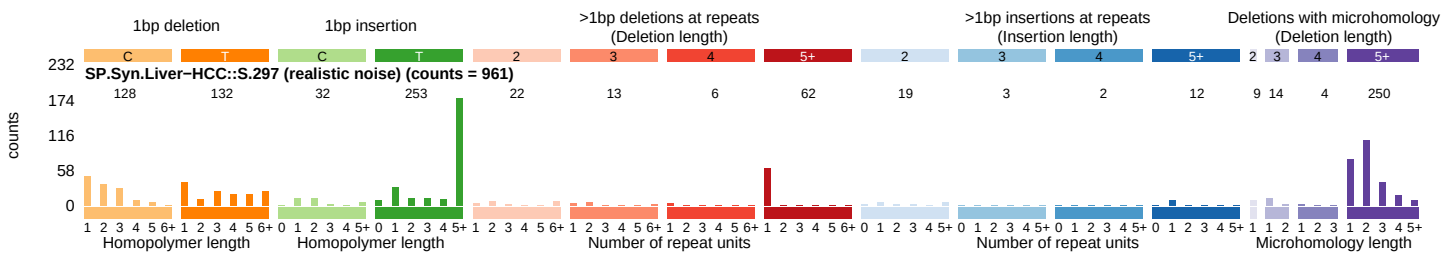
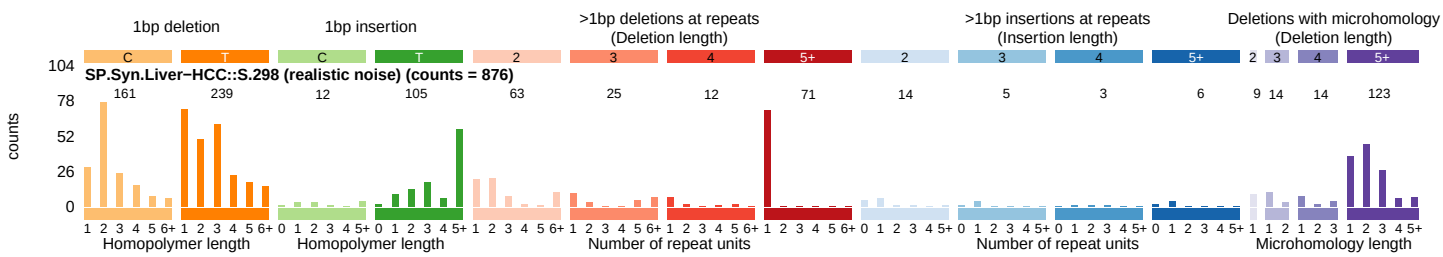
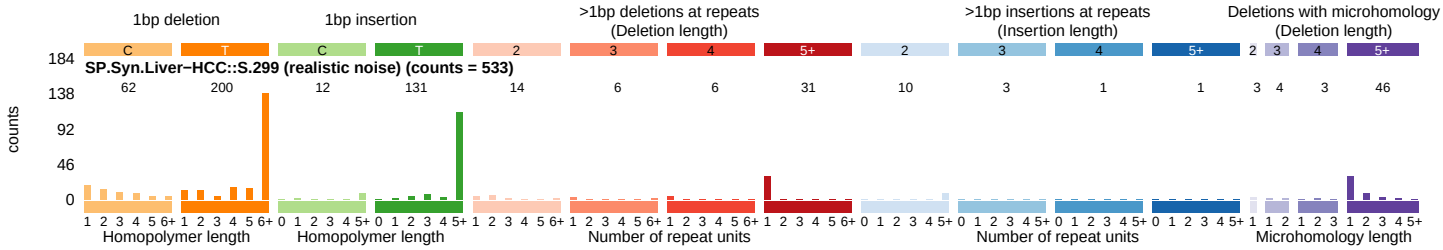
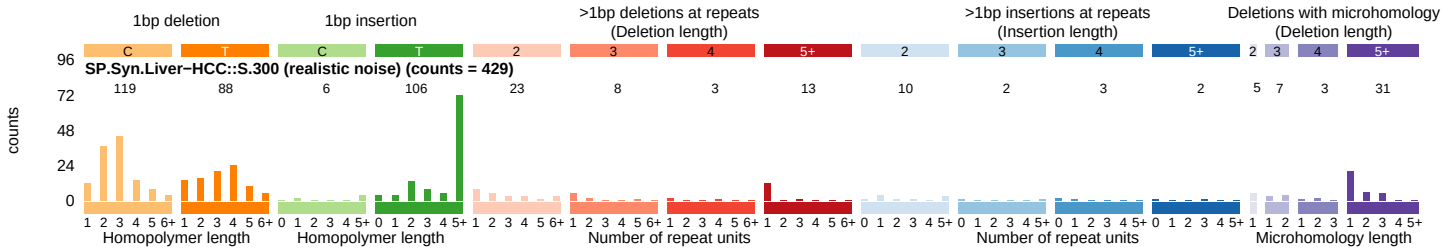
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.295 (realistic noise) (counts = 965)
316 279 21 184 34 12 15 12 26 6 6 2 15 11 8 18
counts
140 105 70 35 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.296 (realistic noise) (counts = 1137)
284 294 22 291 52 11 9 29 36 10 4 6 7 9 10 63
counts
288 216 144 72 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.297 (realistic noise) (counts = 961)
128 132 32 253 22 13 6 62 19 3 2 12 9 14 4 250
counts
232 174 116 58 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.298 (realistic noise) (counts = 876)
161 239 12 105 63 25 12 71 14 5 3 6 9 14 14 123
counts
104 78 52 26 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.299 (realistic noise) (counts = 533)
62 200 12 131 14 6 6 31 10 3 1 1 3 4 3 46
counts
184 138 92 46 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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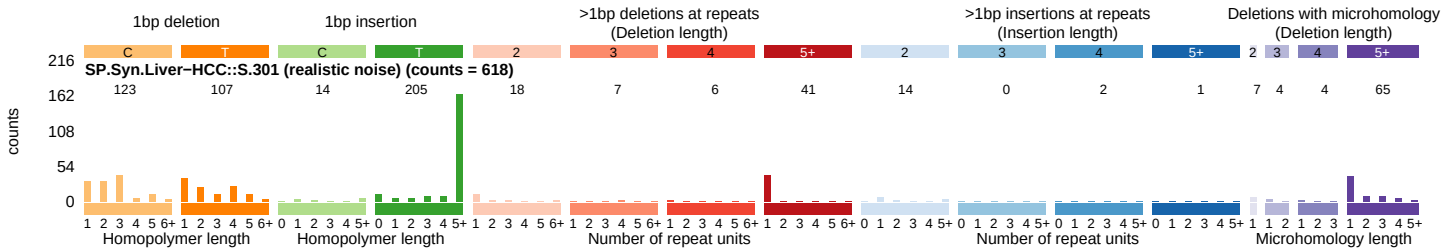
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.300 (realistic noise) (counts = 429)
119 88 6 106 23 8 3 13 10 2 3 2 5 7 3 31
counts
96 72 48 24 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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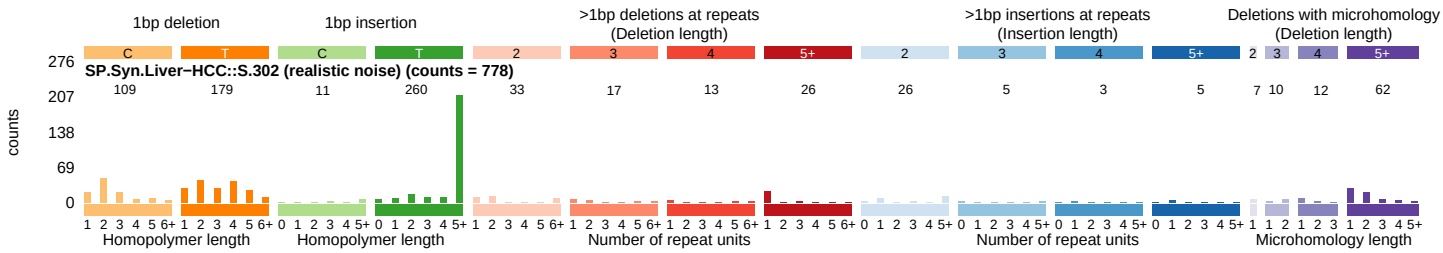
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.301 (realistic noise) (counts = 618)
123 107 14 205 18 7 6 41 14 0 2 1 7 4 4 65
counts
216 162 108 54 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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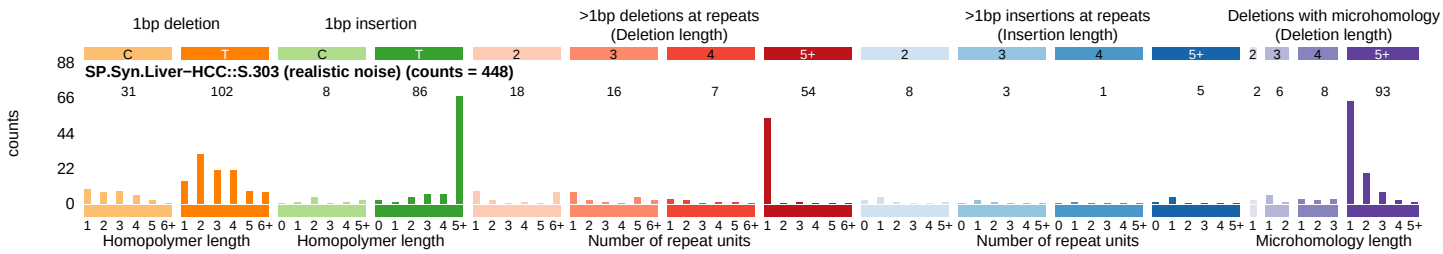
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.302 (realistic noise) (counts = 778)
109 179 11 260 33 17 13 26 26 5 3 5 7 10 12 62
counts
276 207 138 69 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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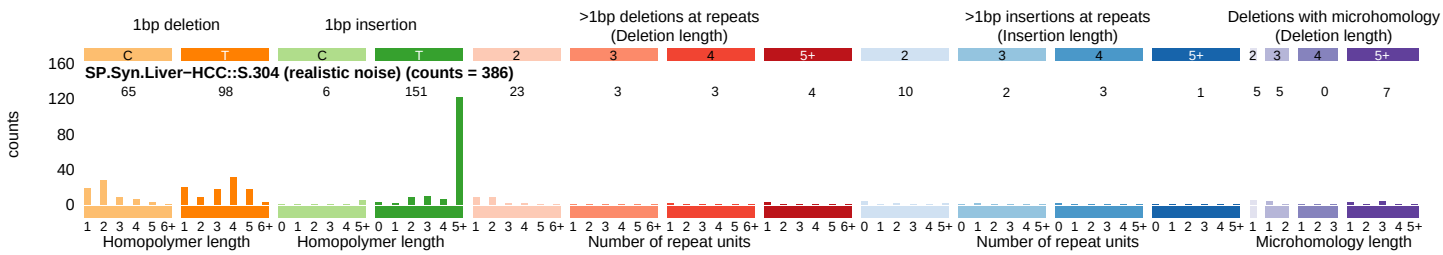
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.303 (realistic noise) (counts = 448)
31 102 8 86 18 16 7 54 8 3 1 5 2 6 8 93
counts
88 66 44 22 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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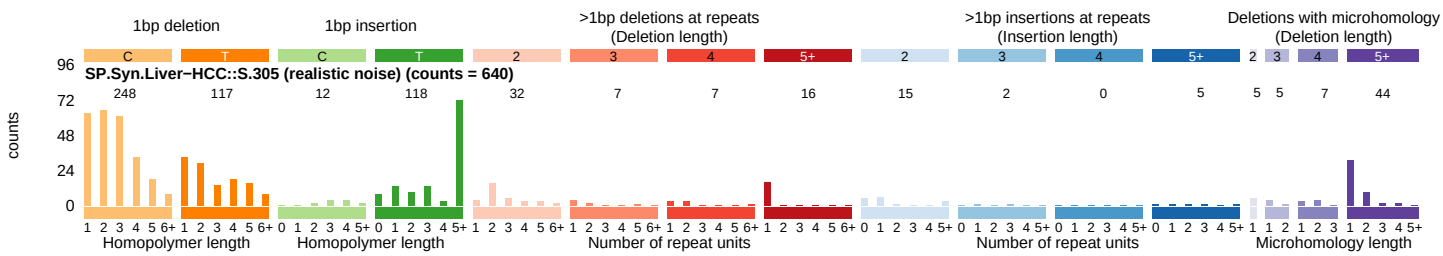
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.304 (realistic noise) (counts = 386)
65 98 6 151 23 3 3 4 10 2 3 1 5 5 0 7
counts
160 120 80 40 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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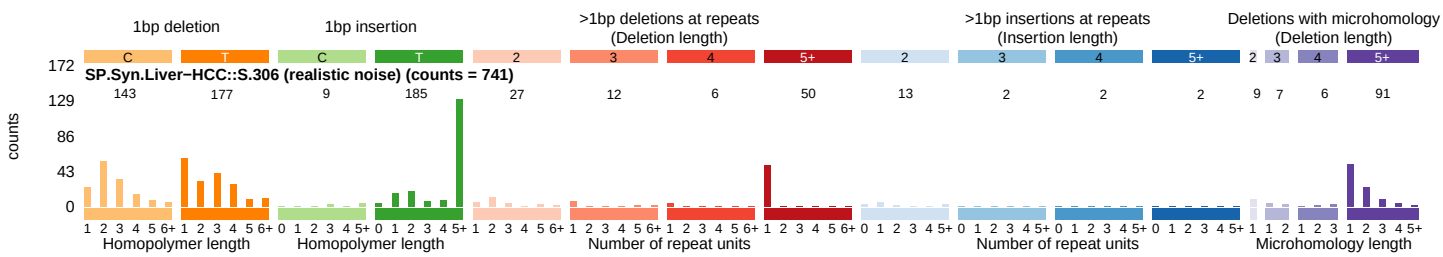
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.305 (realistic noise) (counts = 640)
248 117 12 118 32 7 7 16 15 2 0 5 5 5 7 44
counts
96 72 48 24 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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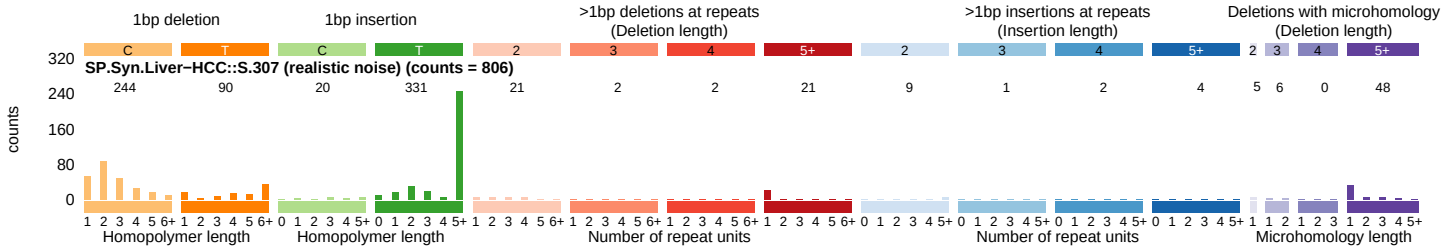
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Liver−HCC::S.306 (realistic noise) (counts = 741)
143 177 9 185 27 12 6 50 13 2 2 2 9 7 6 91
counts
172 129 86 43 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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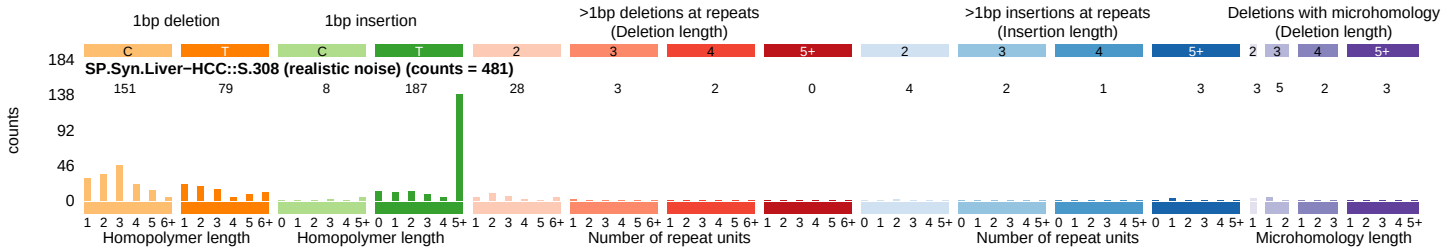
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.307 (realistic noise) (counts = 806)
counts
Homopolymer length
Number of repeat units
Microhomology length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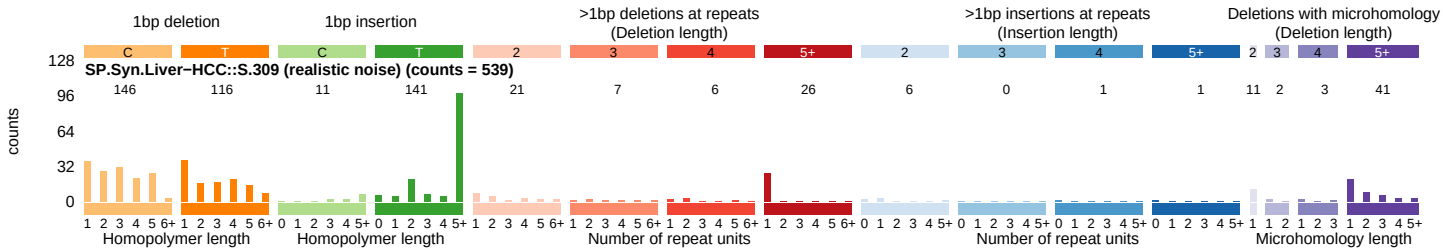
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.308 (realistic noise) (counts = 481)
counts
Homopolymer length
Number of repeat units
Microhomology length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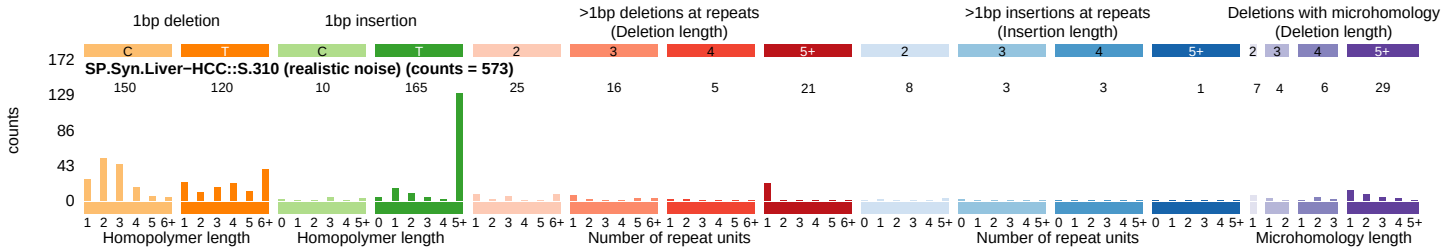
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.309 (realistic noise) (counts = 539)
counts
Homopolymer length
Number of repeat units
Microhomology length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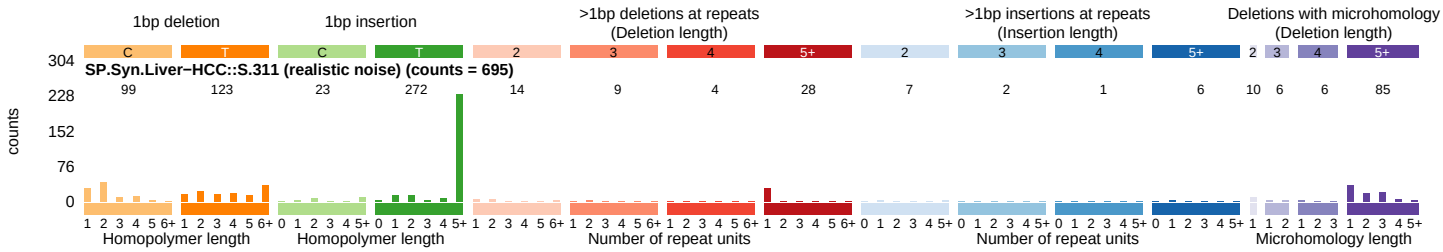
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.310 (realistic noise) (counts = 573)
counts
Homopolymer length
Number of repeat units
Microhomology length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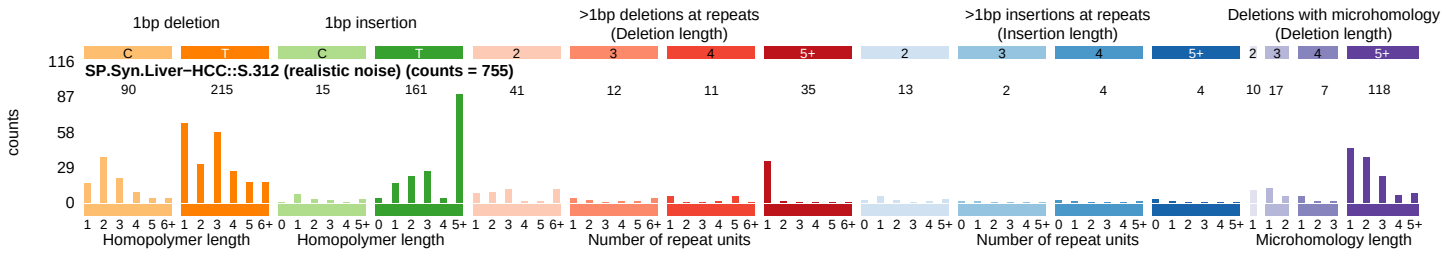
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.311 (realistic noise) (counts = 695)
counts
Homopolymer length
Number of repeat units
Microhomology length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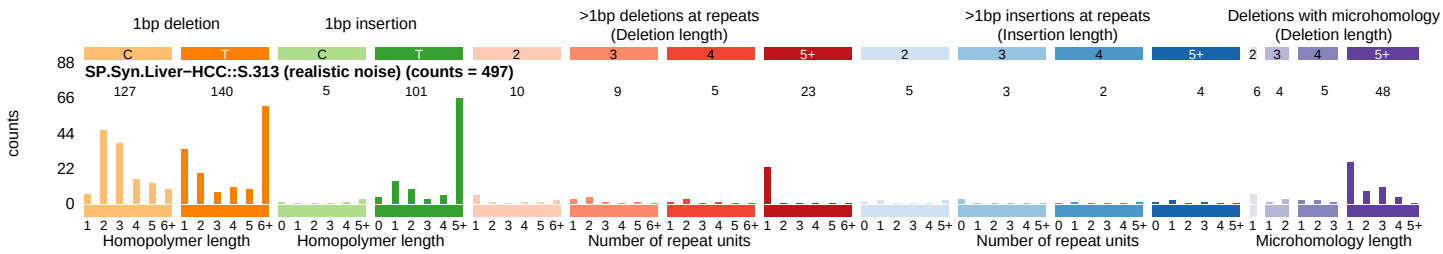
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.312 (realistic noise) (counts = 755)
counts
Homopolymer length
Number of repeat units
Microhomology length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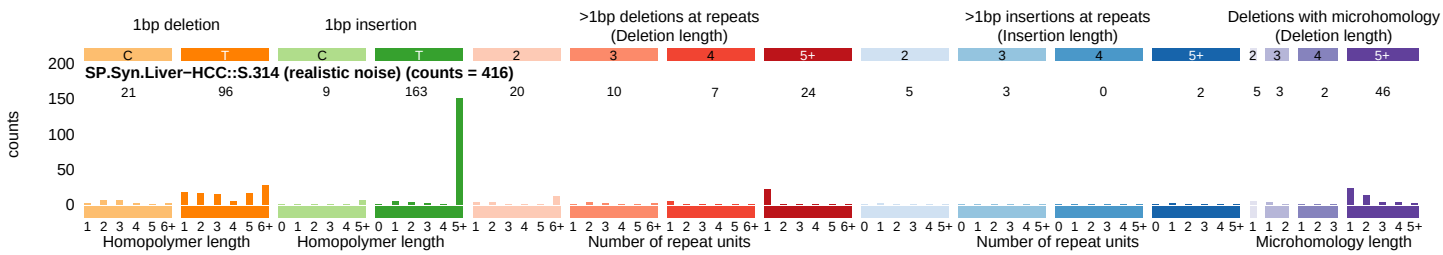
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.313 (realistic noise) (counts = 497)
counts
Homopolymer length
Number of repeat units
Microhomology length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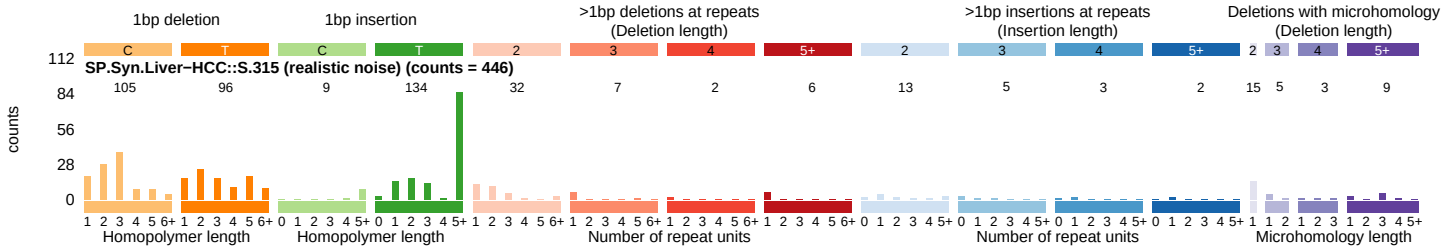
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.314 (realistic noise) (counts = 416)
counts
Homopolymer length
Number of repeat units
Microhomology length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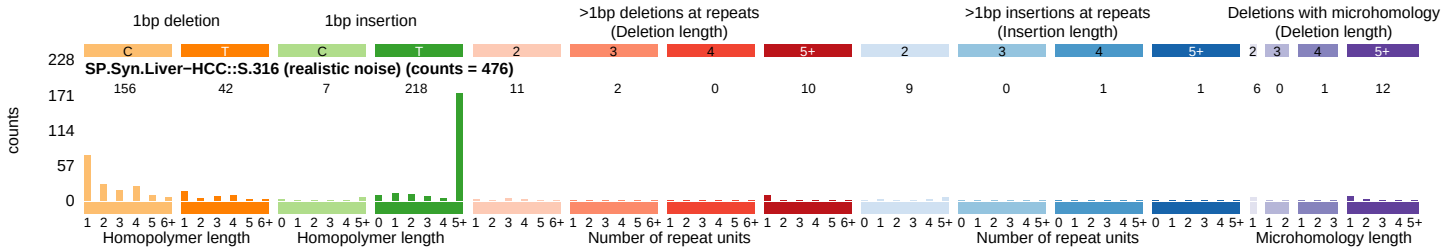
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.315 (realistic noise) (counts = 446)
105 96 9 134 32 7 2 6 13 5 3 2 15 5 3 9
counts
Homopolymer length
Number of repeat units
Microhomology length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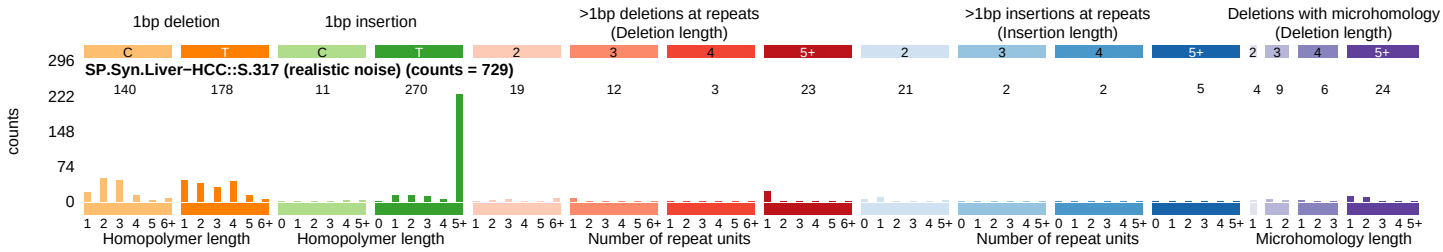
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.316 (realistic noise) (counts = 476)
156 42 7 218 11 2 0 10 9 0 1 1 6 0 1 12
counts
Homopolymer length
Number of repeat units
Microhomology length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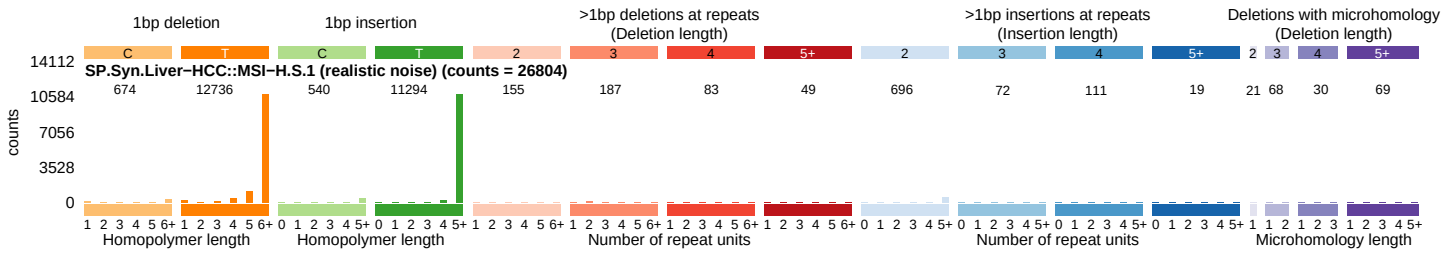
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::S.317 (realistic noise) (counts = 729)
140 178 11 270 19 12 3 23 21 2 2 5 4 9 6 24
counts
Homopolymer length
Number of repeat units
Microhomology length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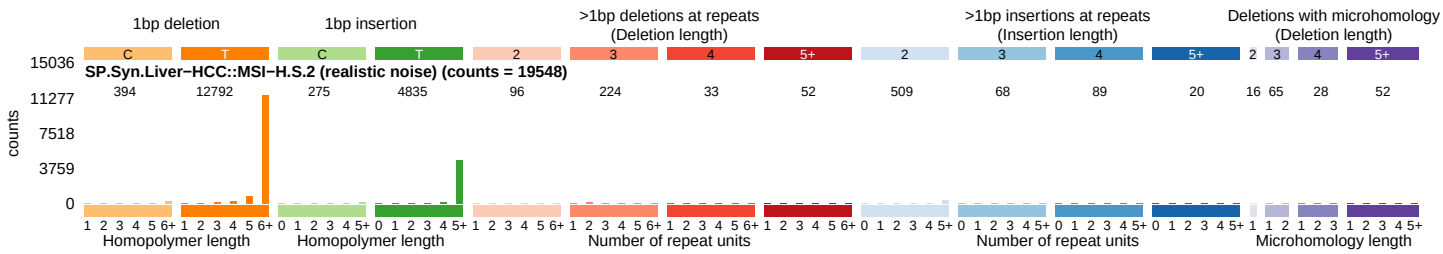
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::MSI−H.S.1 (realistic noise) (counts = 26804)
674 12736 540 11294 155 187 83 49 696 72 111 19 21 68 30 69
counts
Homopolymer length
Number of repeat units
Microhomology length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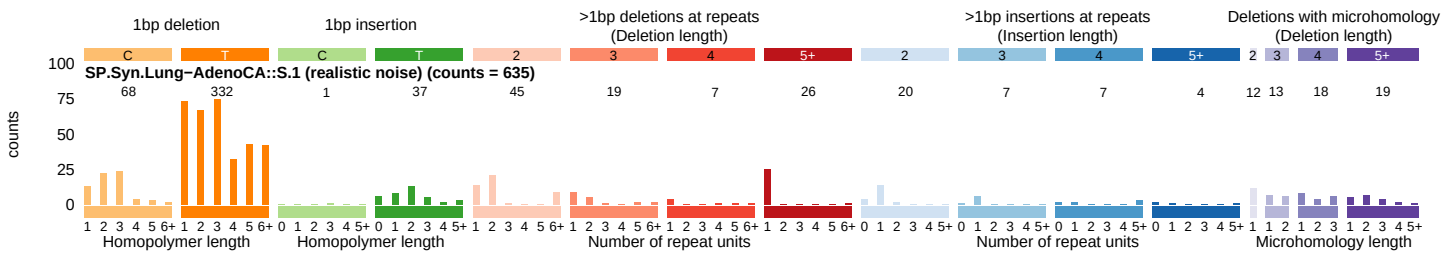
Deletions with microhomology (Deletion length)
SP.Syn.Liver−HCC::MSI−H.S.2 (realistic noise) (counts = 19548)
394 12792 275 4835 96 224 33 52 509 68 89 20 16 65 28 52
counts
Homopolymer length
Number of repeat units
Microhomology length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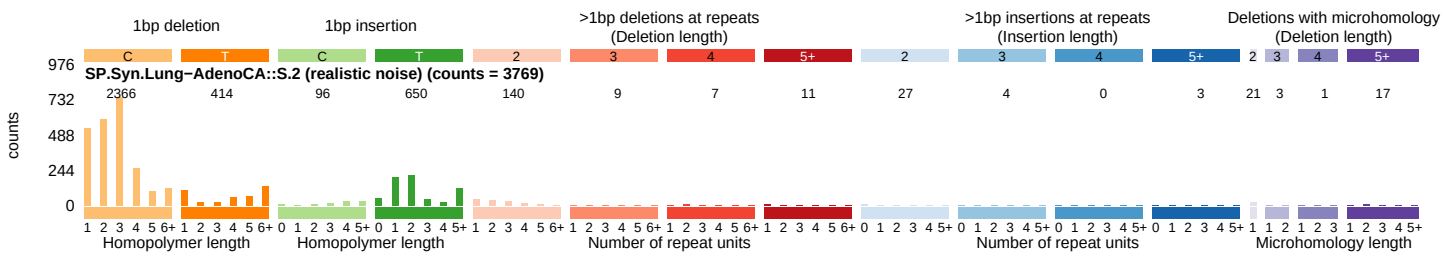
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.1 (realistic noise) (counts = 635)
68 332 1 37 45 19 7 26 20 7 7 4 12 13 18 19
counts
Homopolymer length
Number of repeat units
Microhomology length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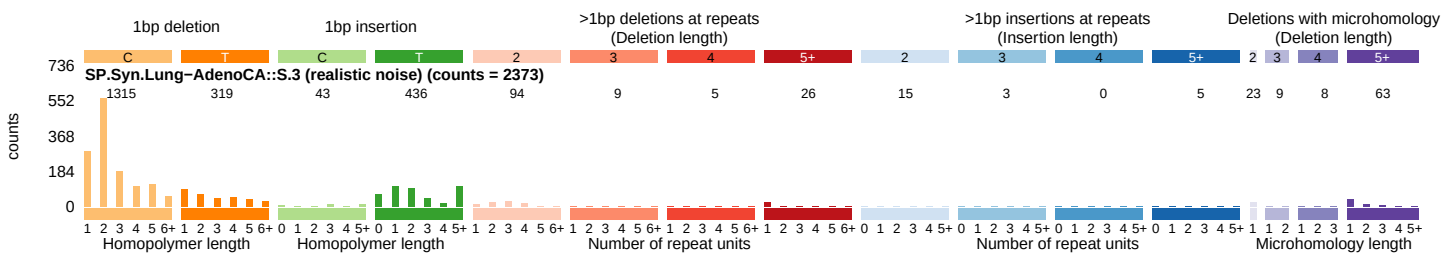
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.2 (realistic noise) (counts = 3769)
2366 414 96 650 140 9 7 11 27 4 0 3 21 3 1 17
counts
Homopolymer length
Number of repeat units
Microhomology length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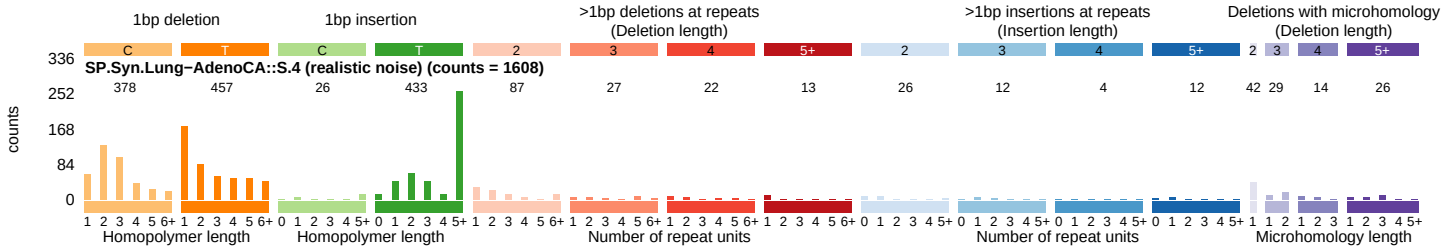
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.3 (realistic noise) (counts = 2373)
1315 319 43 436 94 9 5 26 15 3 0 5 23 9 8 63
counts
Homopolymer length
Number of repeat units
Microhomology length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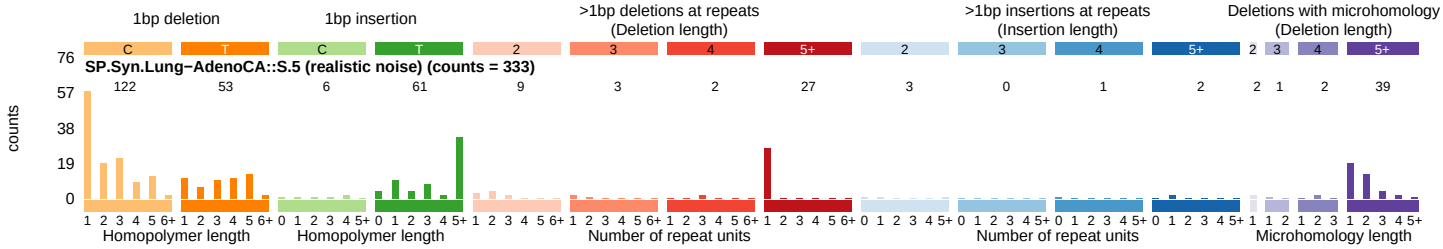
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.4 (realistic noise) (counts = 1608)
378 457 26 433 87 27 22 13 26 12 4 12 42 29 14 26
counts
Homopolymer length
Number of repeat units
Microhomology length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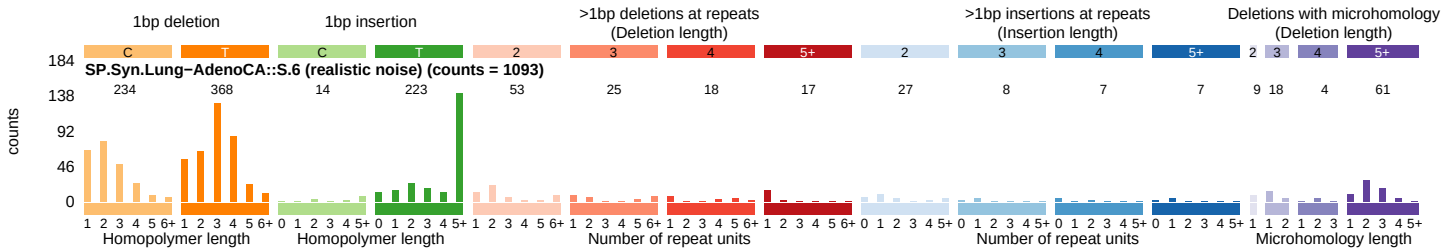
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.5 (realistic noise) (counts = 333)
122 53 6 61 9 3 2 27 3 0 1 2 2 1 2 39
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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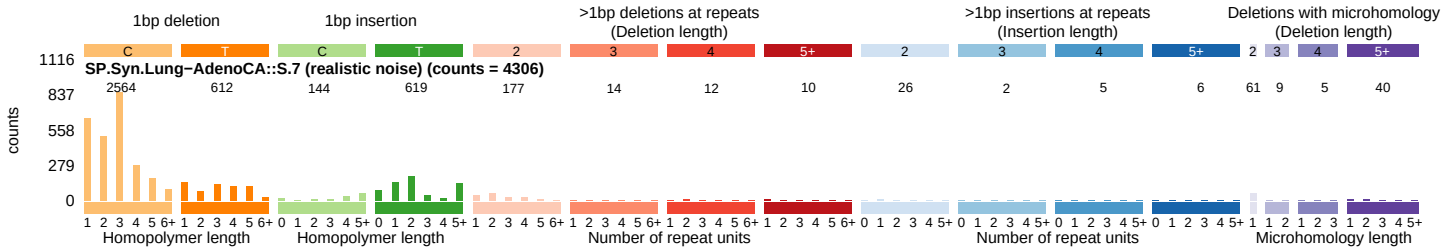
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.6 (realistic noise) (counts = 1093)
234 368 14 223 53 25 18 17 27 8 7 7 9 18 4 61
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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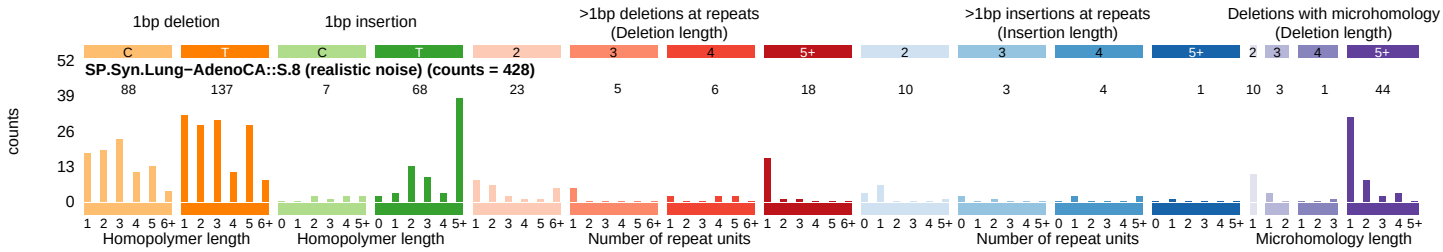
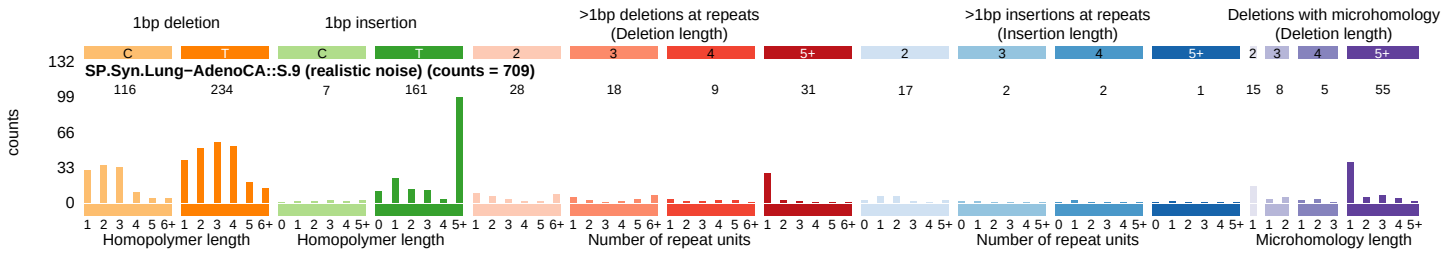
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.7 (realistic noise) (counts = 4306)
2564 612 144 619 177 14 12 10 26 2 5 6 61 9 5 40
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.8 (realistic noise) (counts = 428)
88 137 7 68 23 5 6 18 10 3 4 1 10 3 1 44
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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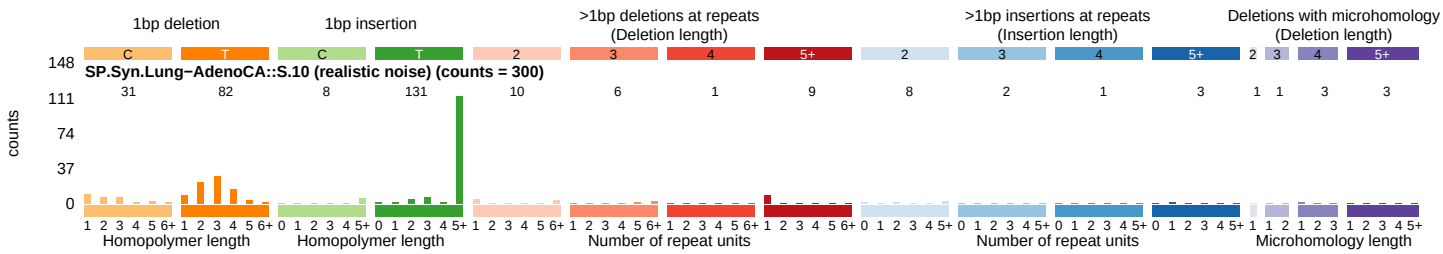
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.9 (realistic noise) (counts = 709)
116 234 7 161 28 18 9 31 17 2 2 1 15 8 5 55
counts
Homopolymer length
Number of repeat units
Microhomology length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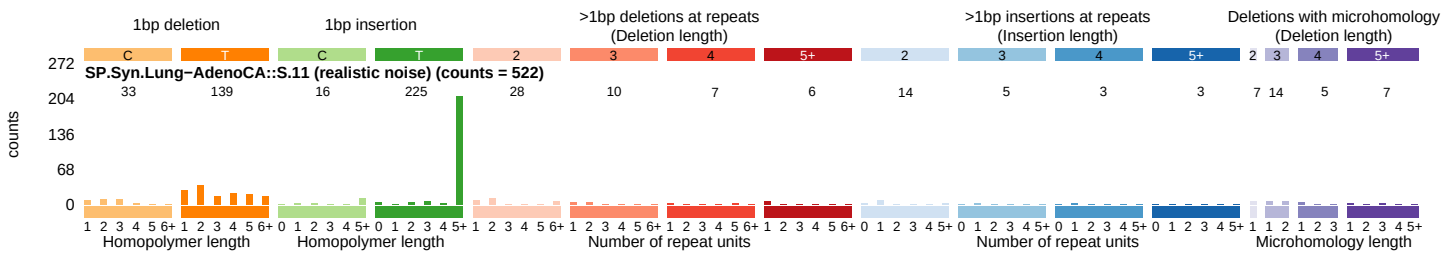
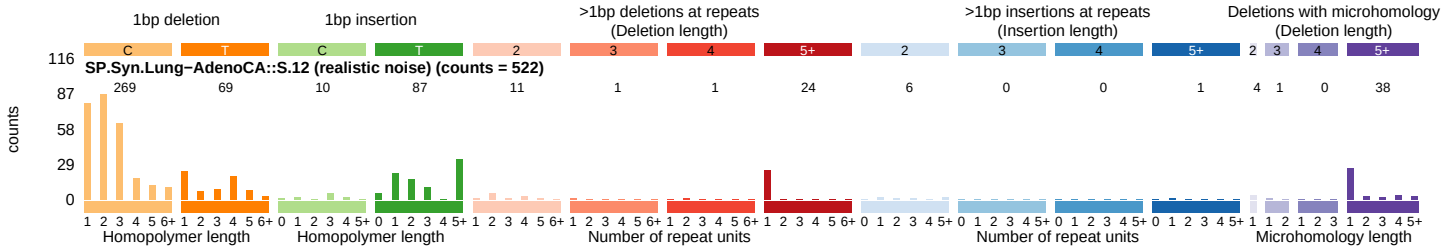
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.10 (realistic noise) (counts = 300)
31 82 8 131 10 6 1 9 8 2 1 3 1 1 3 3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.11 (realistic noise) (counts = 522)
33 139 16 225 28 10 7 6 14 5 3 3 7 14 5 7
counts
Homopolymer length
Number of repeat units
Microhomology length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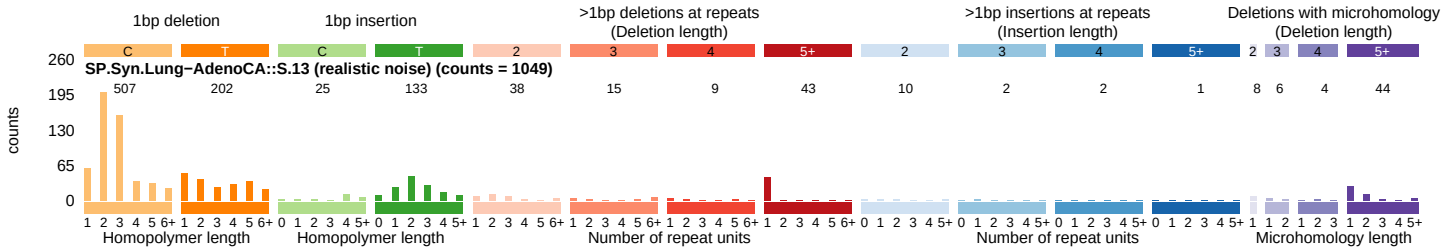
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.12 (realistic noise) (counts = 522)
counts
Homopolymer length
Number of repeat units
Microhomology length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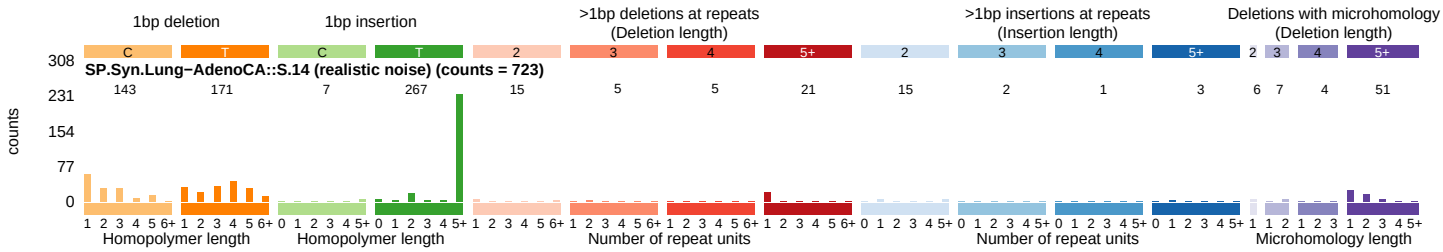
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.13 (realistic noise) (counts = 1049)
counts
Homopolymer length
Number of repeat units
Microhomology length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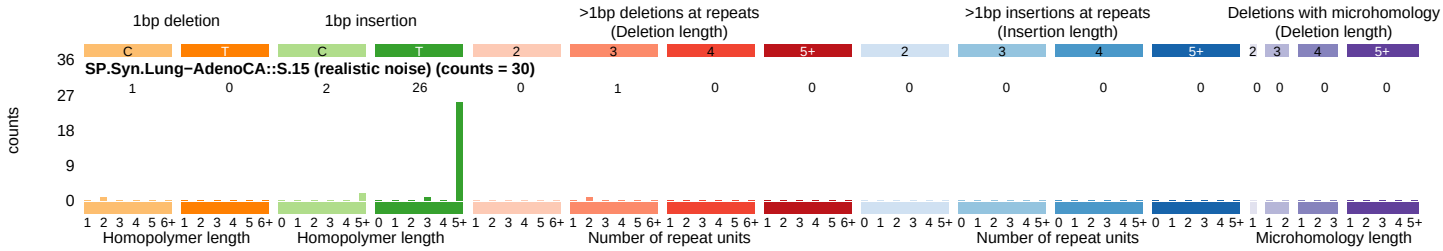
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.14 (realistic noise) (counts = 723)
counts
Homopolymer length
Number of repeat units
Microhomology length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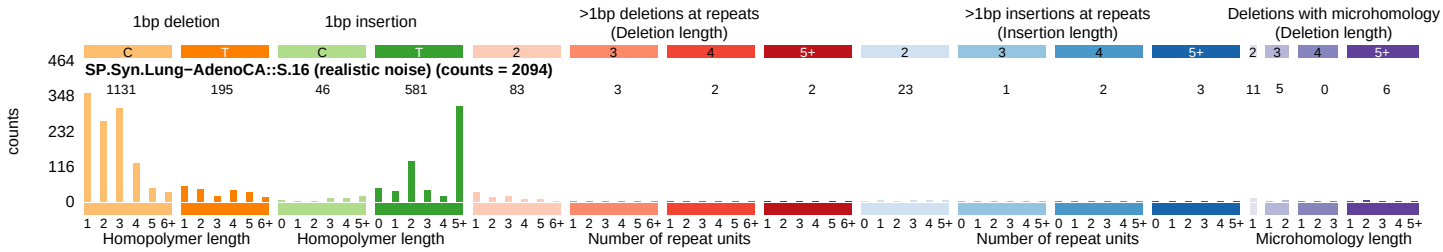
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.15 (realistic noise) (counts = 30)
counts
Homopolymer length
Number of repeat units
Microhomology length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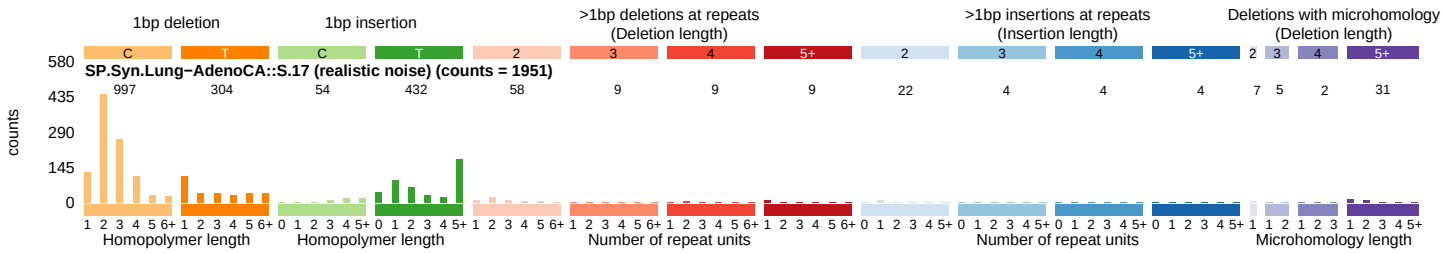
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.16 (realistic noise) (counts = 2094)
counts
Homopolymer length
Number of repeat units
Microhomology length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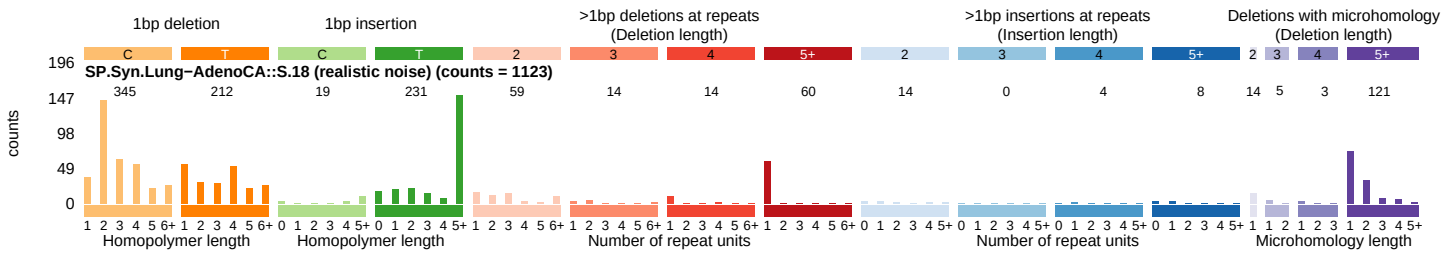
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.17 (realistic noise) (counts = 1951)
counts
Homopolymer length
Number of repeat units
Microhomology length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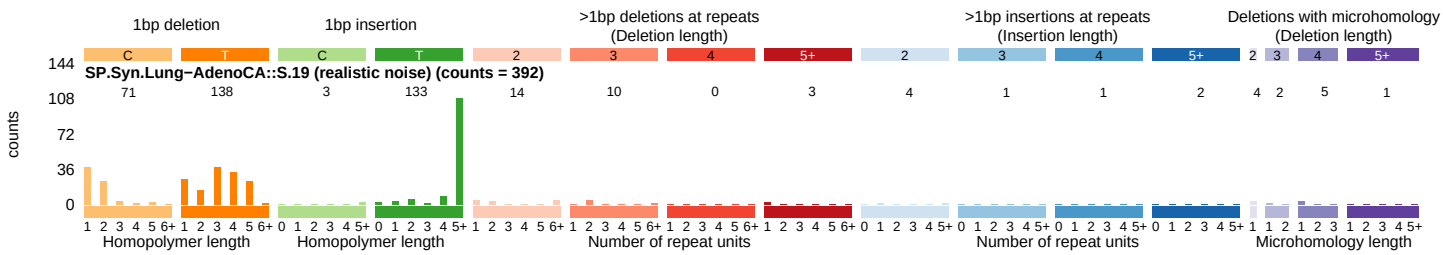
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.18 (realistic noise) (counts = 1123)
counts
Homopolymer length
Number of repeat units
Microhomology length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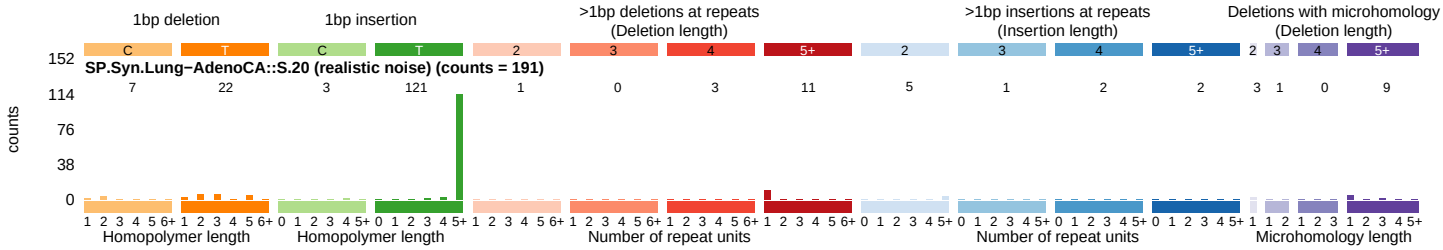
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.19 (realistic noise) (counts = 392)
counts
Homopolymer length
Number of repeat units
Microhomology length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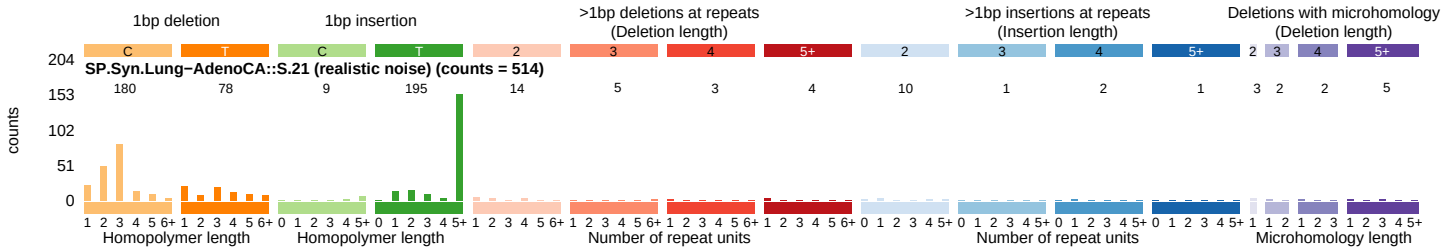
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.20 (realistic noise) (counts = 191)
counts
Homopolymer length
Number of repeat units
Microhomology length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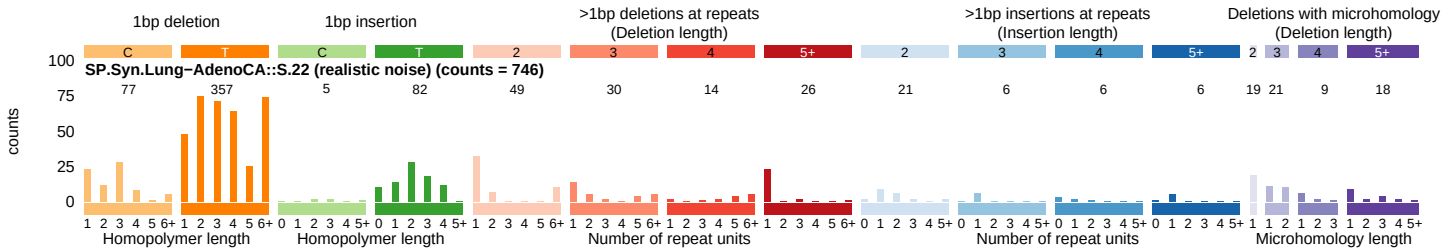
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.21 (realistic noise) (counts = 514)
counts
Homopolymer length
Number of repeat units
Microhomology length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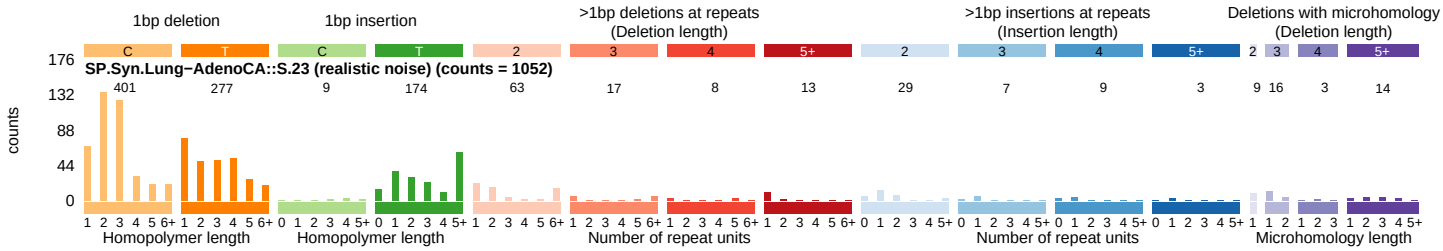
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.22 (realistic noise) (counts = 746)
counts
Homopolymer length
Number of repeat units
Microhomology length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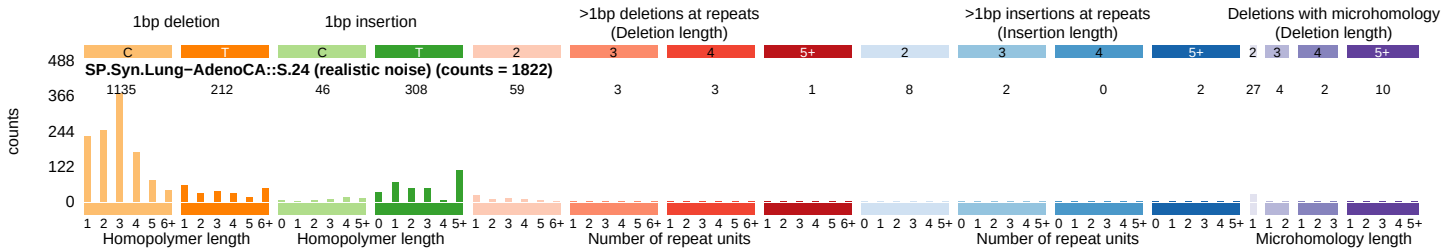
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.23 (realistic noise) (counts = 1052)
counts
Homopolymer length
Number of repeat units
Microhomology length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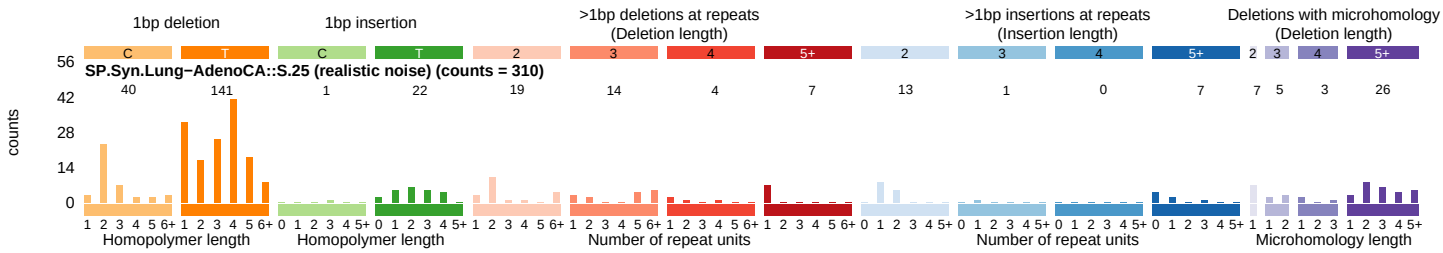
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.24 (realistic noise) (counts = 1822)
counts
Homopolymer length
Number of repeat units
Microhomology length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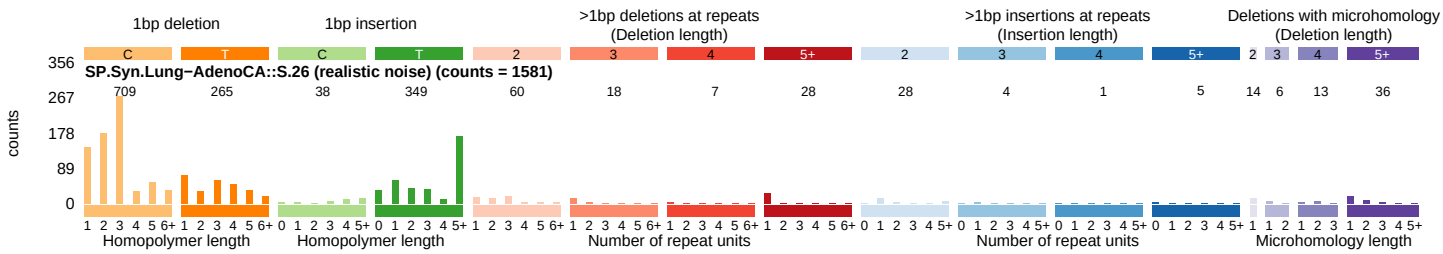
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.25 (realistic noise) (counts = 310)
counts
Homopolymer length
Number of repeat units
Microhomology length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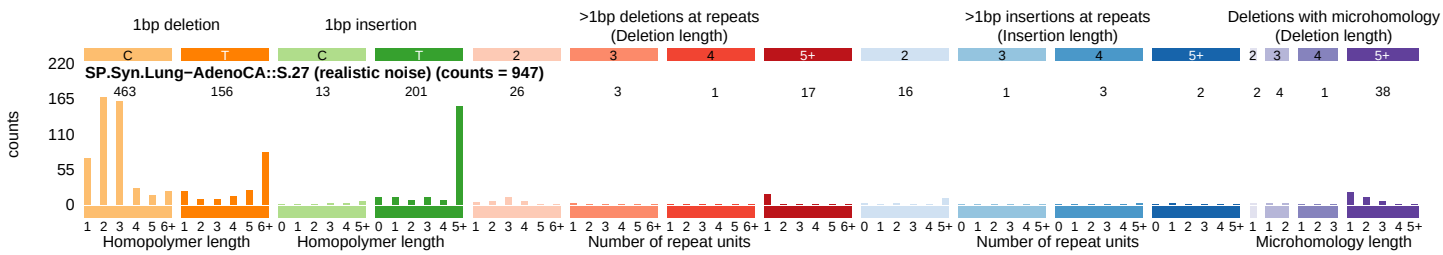
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.26 (realistic noise) (counts = 1581)
counts
Homopolymer length
Number of repeat units
Microhomology length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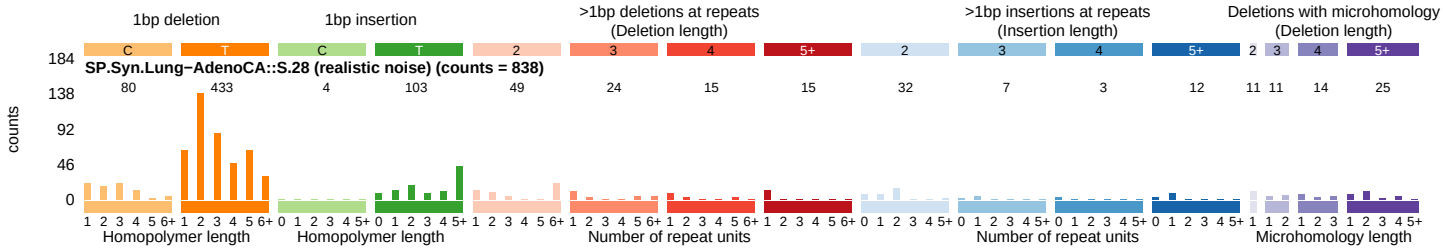
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.27 (realistic noise) (counts = 947)
counts
Homopolymer length
Number of repeat units
Microhomology length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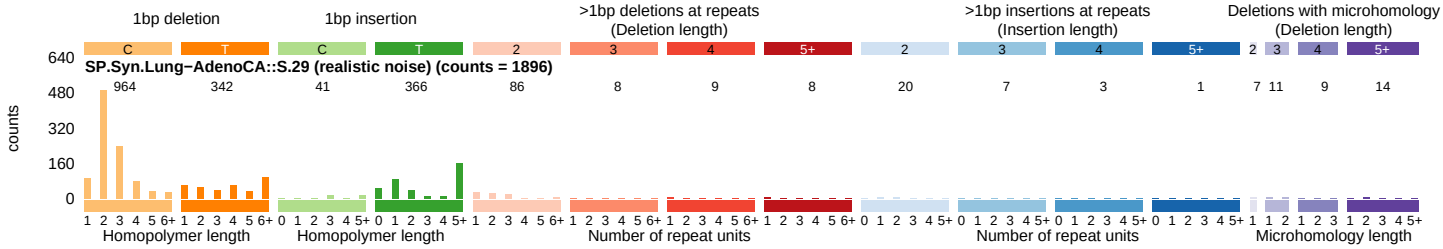
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.28 (realistic noise) (counts = 838)
80 433 4 103 49 24 15 15 32 7 3 12 11 11 14 25
counts
Homopolymer length
Number of repeat units
Microhomology length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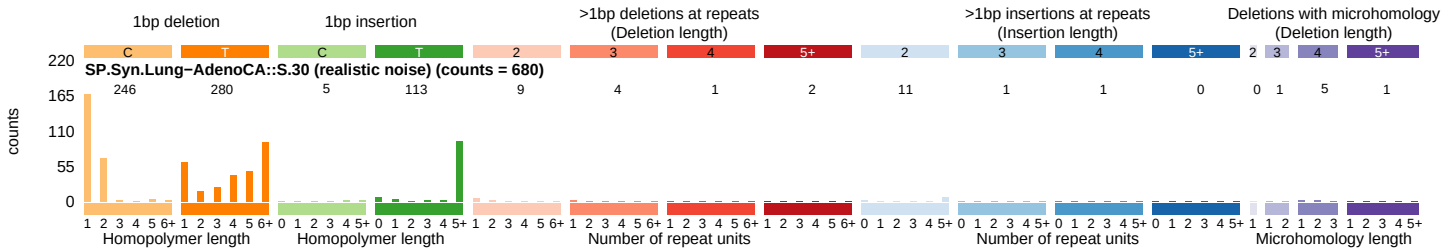
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.29 (realistic noise) (counts = 1896)
964 342 41 366 86 8 9 8 20 7 3 1 7 11 9 14
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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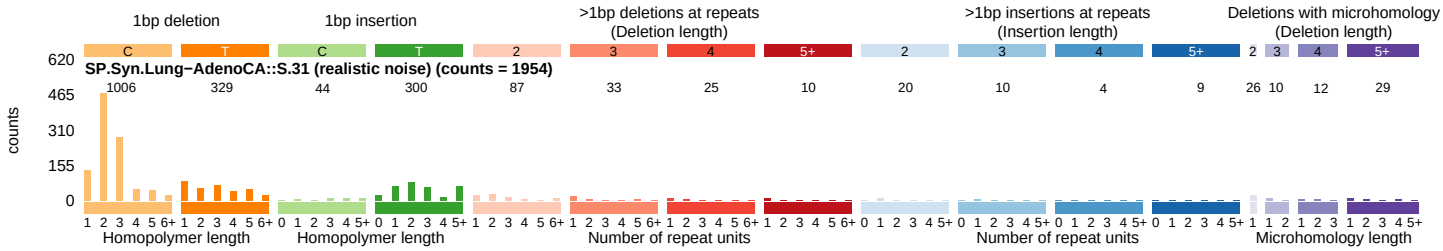
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.30 (realistic noise) (counts = 680)
246 280 5 113 9 4 1 2 11 1 1 0 0 1 5 1
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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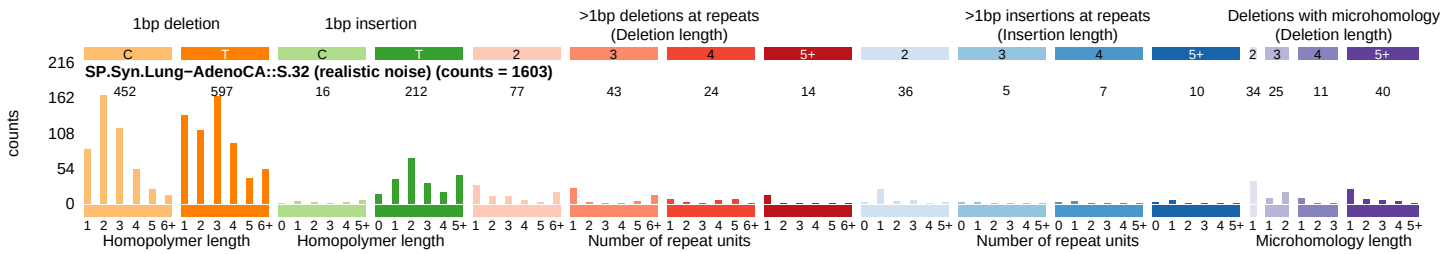
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.31 (realistic noise) (counts = 1954)
1006 329 44 300 87 33 25 10 20 10 4 9 26 10 12 29
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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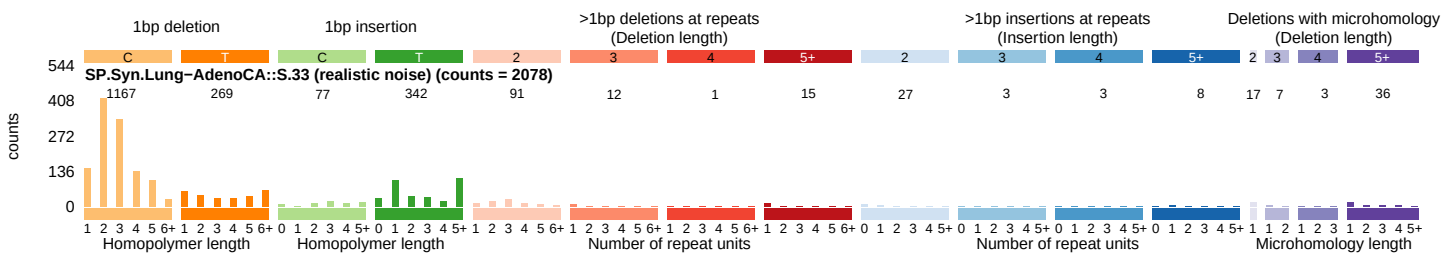
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.32 (realistic noise) (counts = 1603)
452 597 16 212 77 43 24 14 36 5 7 10 34 25 11 40
counts
Homopolymer length
Number of repeat units
Microhomology length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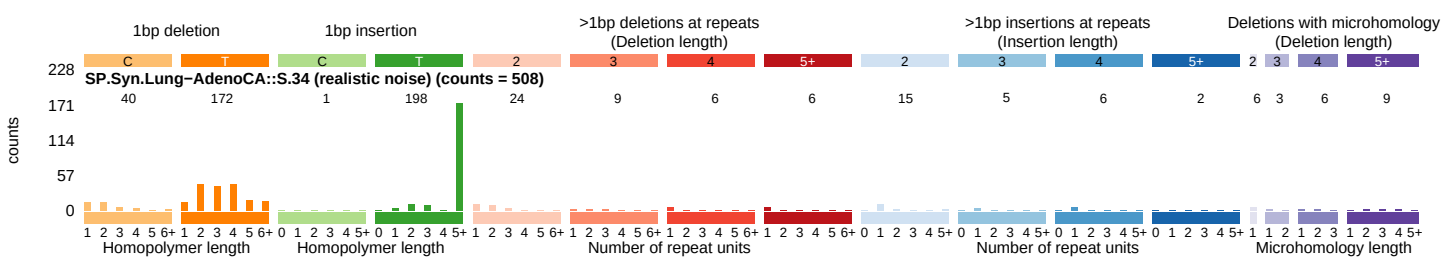
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.33 (realistic noise) (counts = 2078)
1167 269 77 342 91 12 1 15 27 3 3 8 17 7 3 36
counts
Homopolymer length
Number of repeat units
Microhomology length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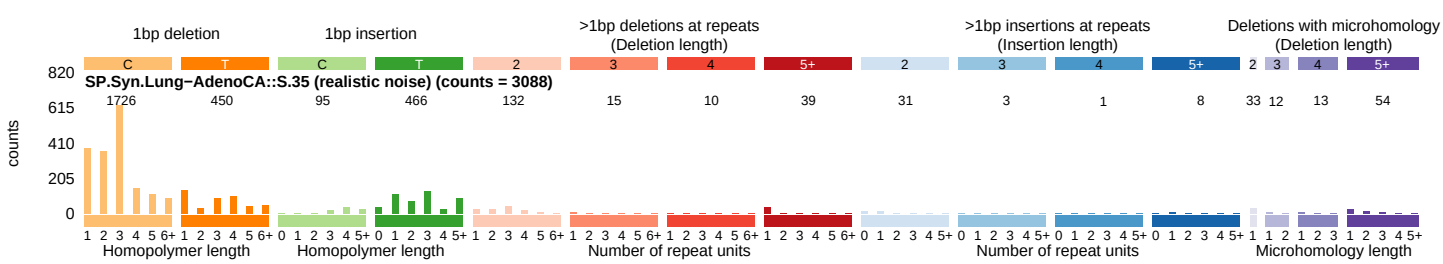
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.34 (realistic noise) (counts = 508)
40 172 1 198 24 9 6 6 15 5 6 2 6 3 6 9
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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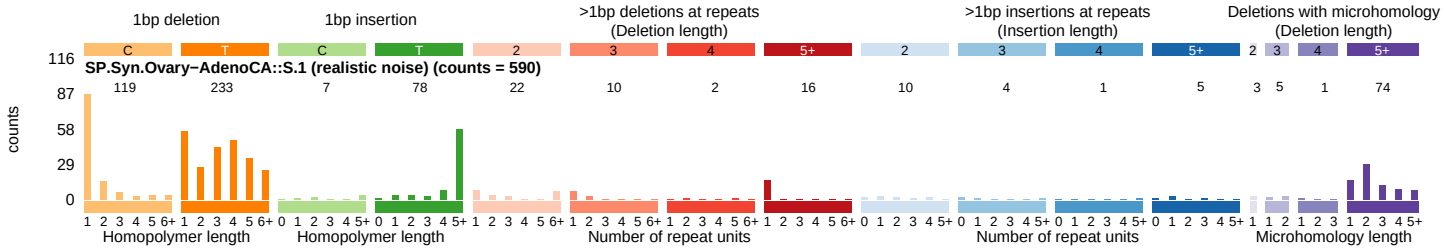
Deletions with microhomology (Deletion length)
SP.Syn.Lung−AdenoCA::S.35 (realistic noise) (counts = 3088)
1726 450 95 466 132 15 10 39 31 3 1 8 33 12 13 54
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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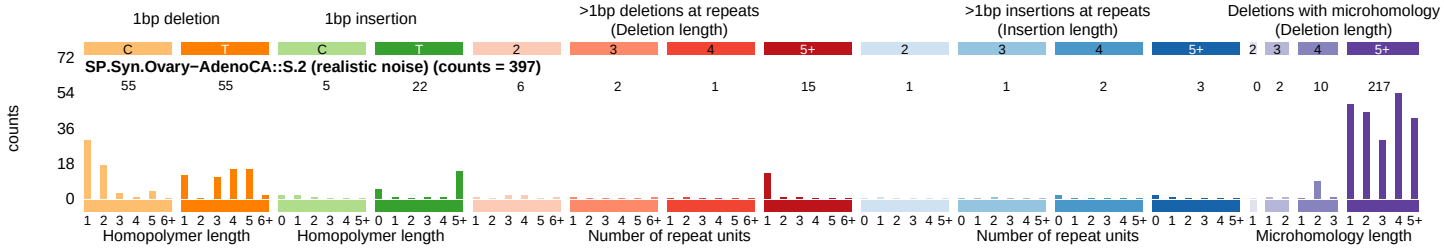
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.1 (realistic noise) (counts = 590)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
119 233 7 78 22 10 2 16 10 4 1 5 3 5 1 74
counts
Homopolymer length
Number of repeat units
Microhomology length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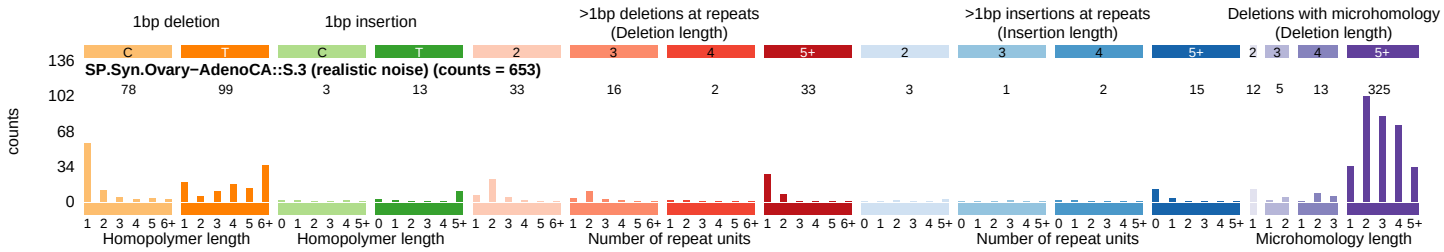
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.2 (realistic noise) (counts = 397)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
55 55 5 22 6 2 1 15 1 1 2 3 0 2 10 217
counts
Homopolymer length
Number of repeat units
Microhomology length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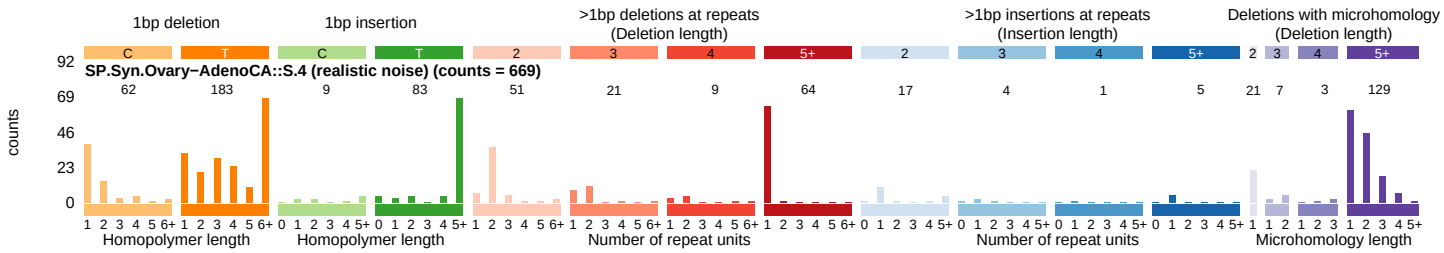
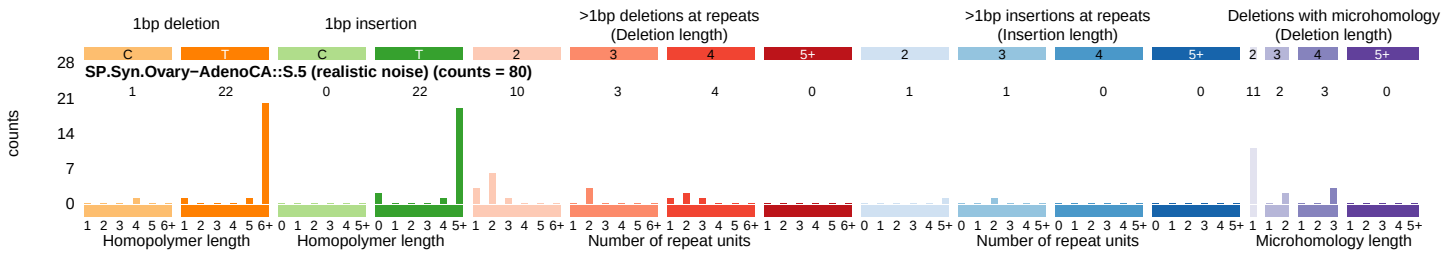
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.3 (realistic noise) (counts = 653)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
78 99 3 13 33 16 2 33 3 1 2 15 12 5 13 325
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.4 (realistic noise) (counts = 669)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
62 183 9 83 51 21 9 64 17 4 1 5 21 7 3 129
counts
Homopolymer length
Number of repeat units
Microhomology length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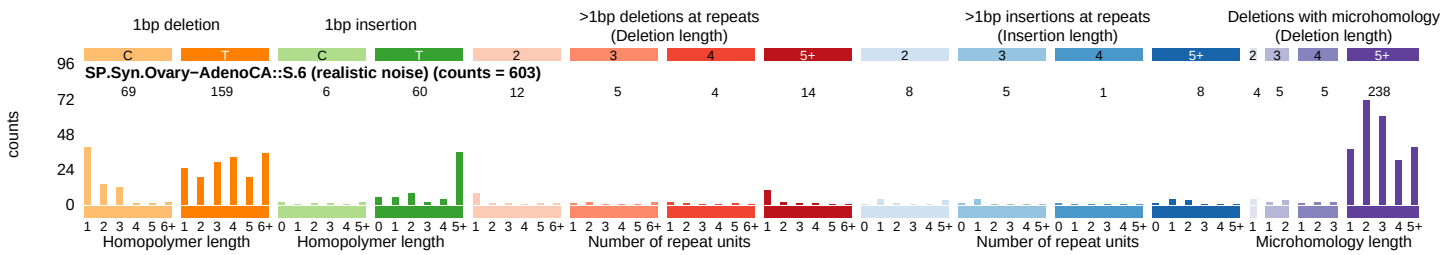
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.5 (realistic noise) (counts = 80)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
1 22 0 22 10 3 4 0 1 1 0 0 11 2 3 0
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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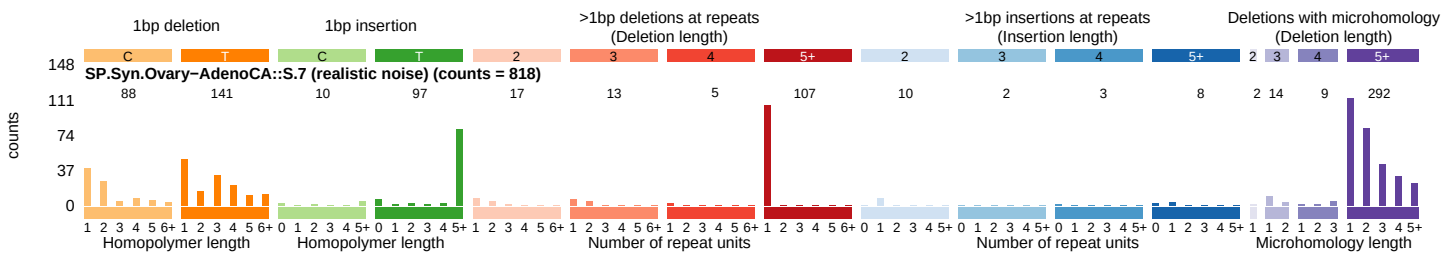
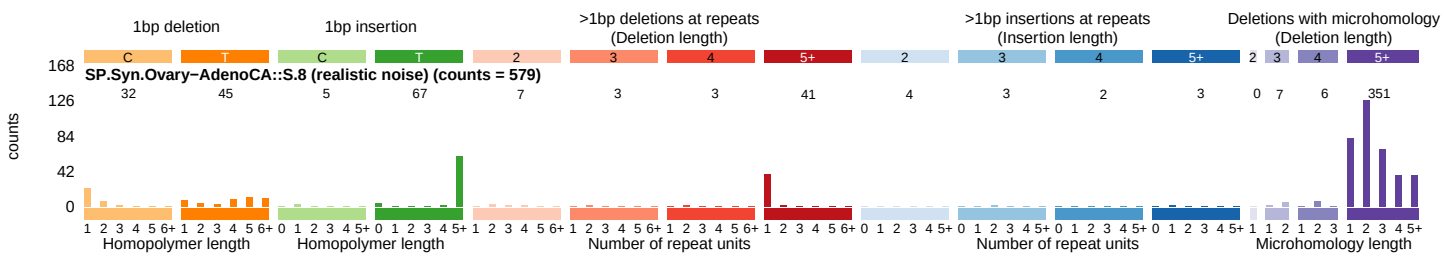
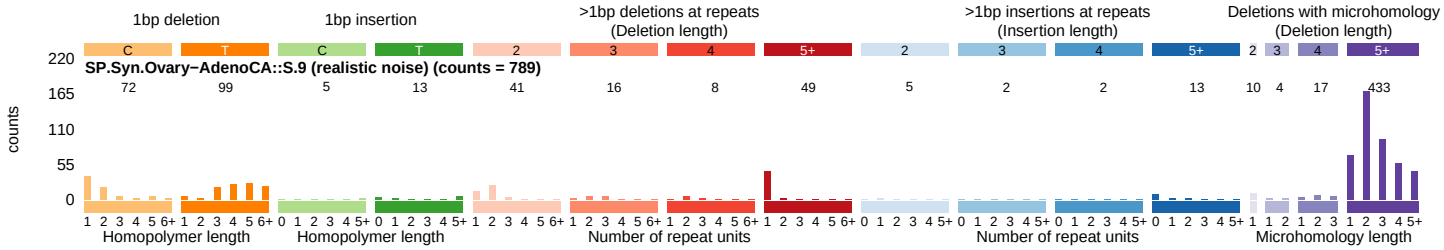
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.6 (realistic noise) (counts = 603)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
69 159 6 60 12 5 4 14 8 5 1 8 4 5 5 238
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.7 (realistic noise) (counts = 818)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
88 141 10 97 17 13 5 107 10 2 3 8 2 14 9 292
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.8 (realistic noise) (counts = 579)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
32 45 5 67 7 3 3 41 4 3 2 3 0 7 6 351
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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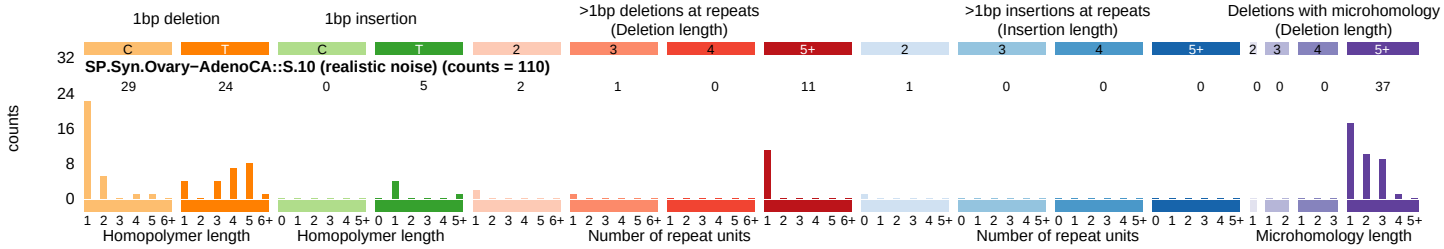
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.9 (realistic noise) (counts = 789)
72 99 5 13 41 16 8 49 5 2 2 13 10 4 17 433
counts
220 165 110 55 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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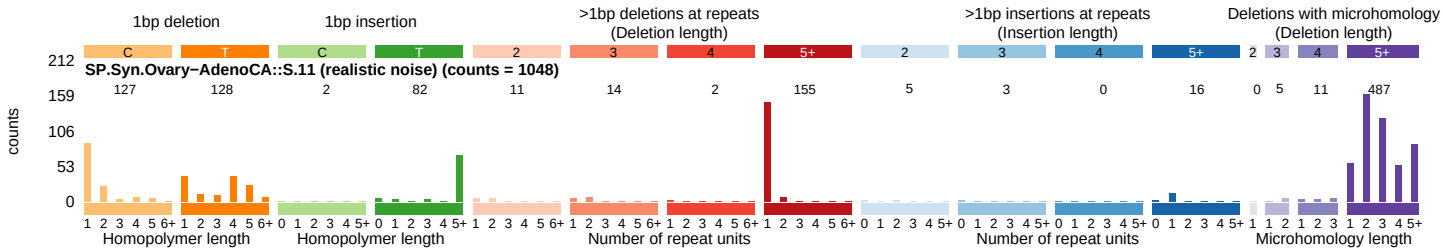
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.10 (realistic noise) (counts = 110)
29 24 0 5 2 1 0 11 1 0 0 0 0 0 0 37
counts
32 24 16 8 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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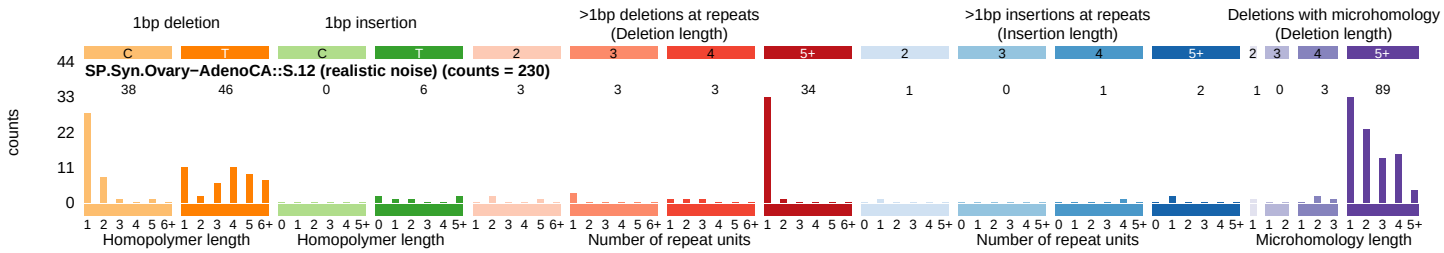
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.11 (realistic noise) (counts = 1048)
127 128 2 82 11 14 2 155 5 3 0 16 0 5 11 487
counts
212 159 106 53 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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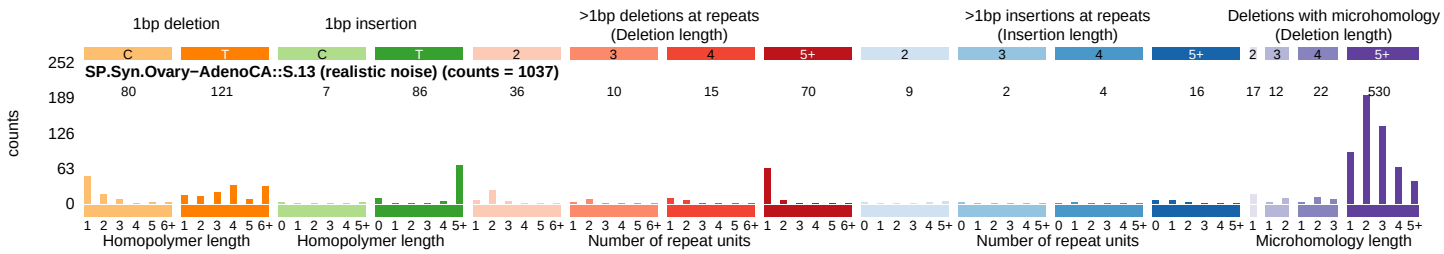
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.12 (realistic noise) (counts = 230)
38 46 0 6 3 3 3 34 1 0 1 2 1 0 3 89
counts
44 33 22 11 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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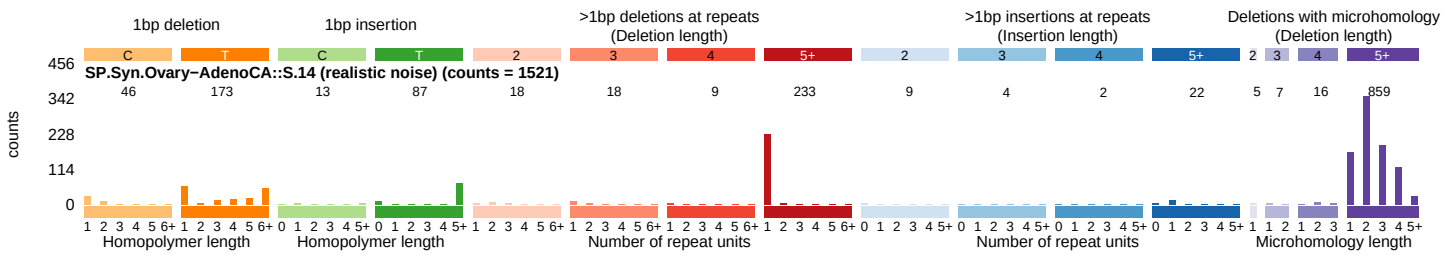
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.13 (realistic noise) (counts = 1037)
80 121 7 86 36 10 15 70 9 2 4 16 17 12 22 530
counts
252 189 126 63 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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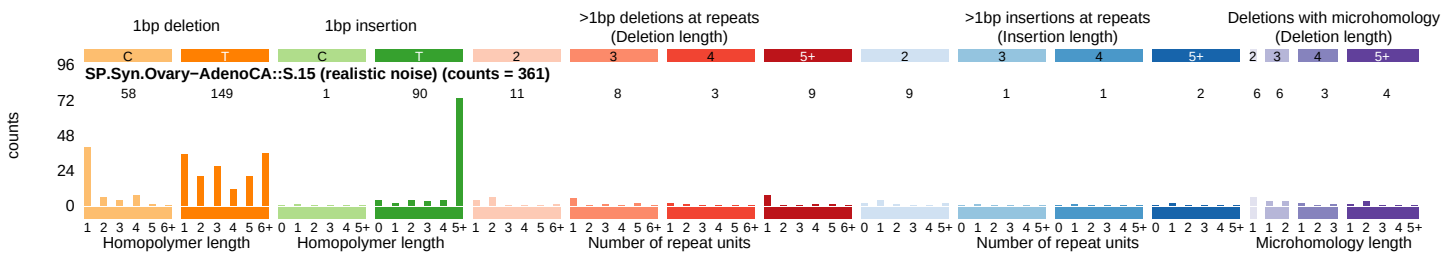
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.14 (realistic noise) (counts = 1521)
46 173 13 87 18 18 9 233 9 4 2 22 5 7 16 859
counts
456 342 228 114 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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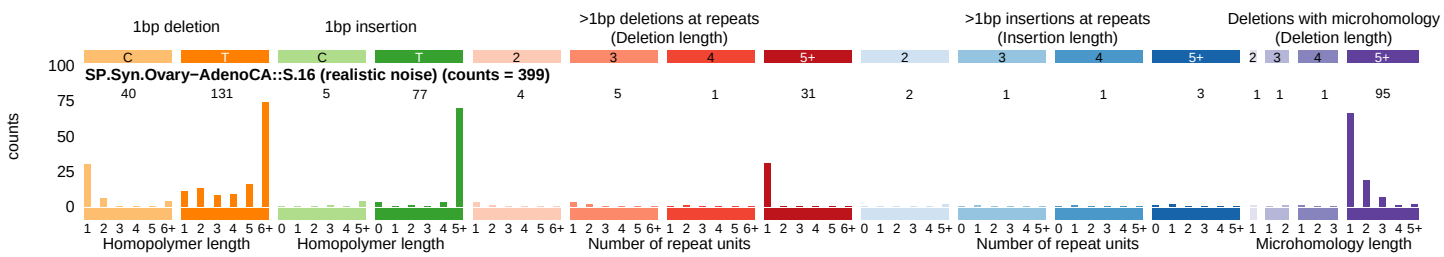
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.15 (realistic noise) (counts = 361)
58 149 1 90 11 8 3 9 9 1 1 2 6 6 3 4
counts
96 72 48 24 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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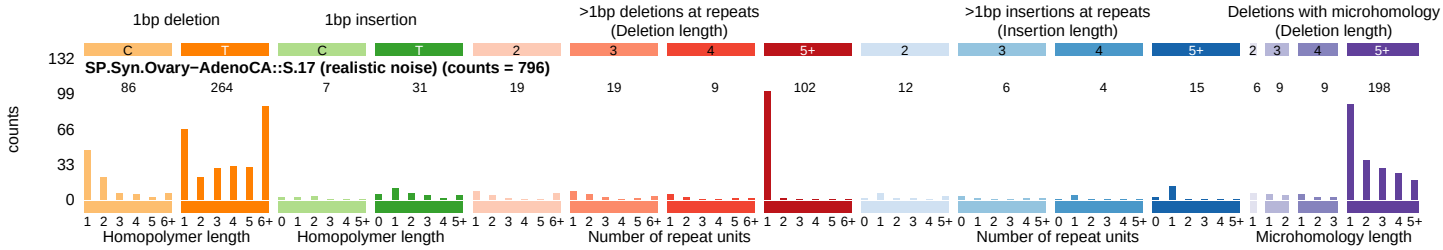
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.16 (realistic noise) (counts = 399)
40 131 5 77 4 5 1 31 2 1 1 3 1 1 1 95
counts
100 75 50 25 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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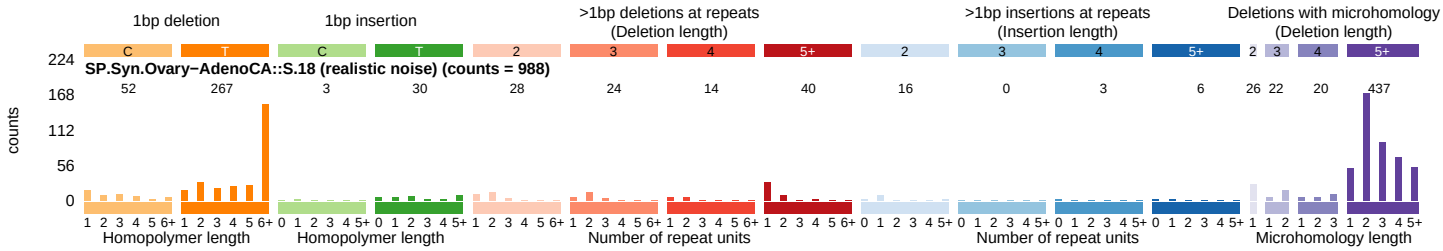
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.17 (realistic noise) (counts = 796)
86 264 7 31 19 19 9 102 12 6 4 15 6 9 9 198
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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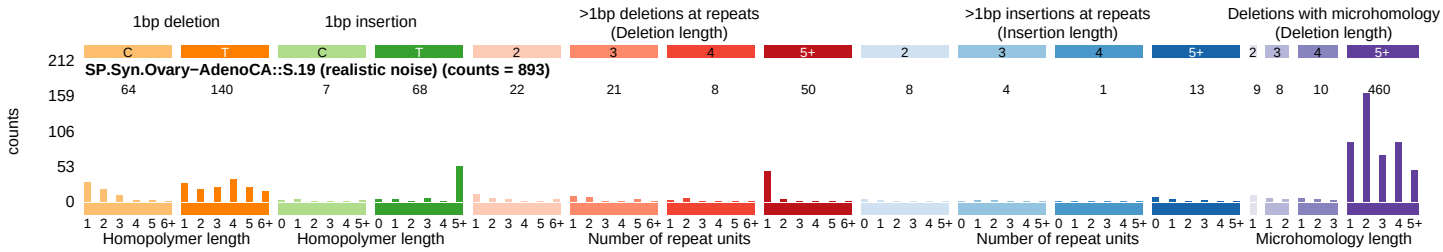
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.18 (realistic noise) (counts = 988)
52 267 3 30 28 24 14 40 16 0 3 6 26 22 20 437
counts
Homopolymer length
Number of repeat units
Microhomology length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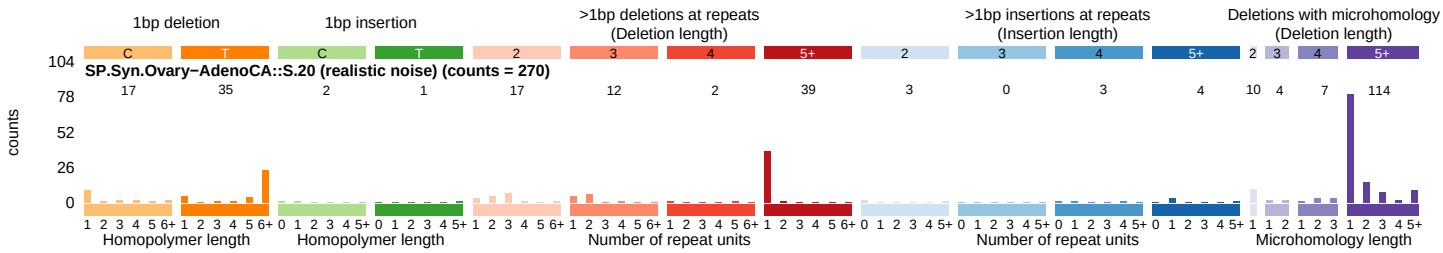
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.19 (realistic noise) (counts = 893)
64 140 7 68 22 21 8 50 8 4 1 13 9 8 10 460
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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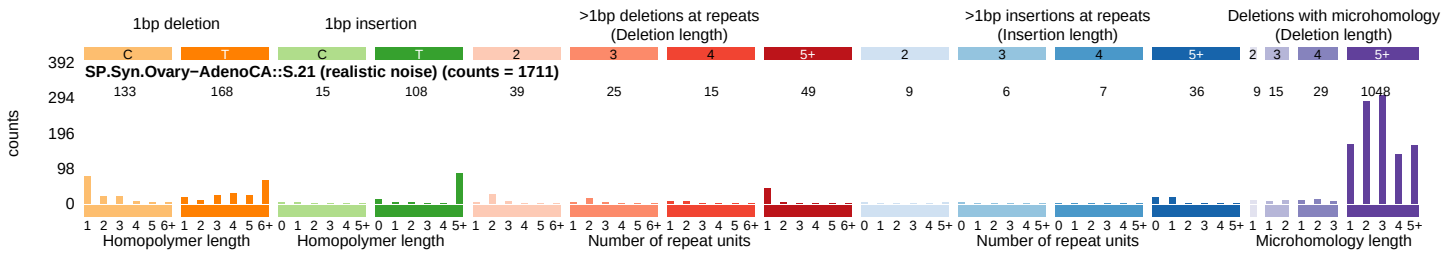
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.20 (realistic noise) (counts = 270)
17 35 2 1 17 12 2 39 3 0 3 4 10 4 7 114
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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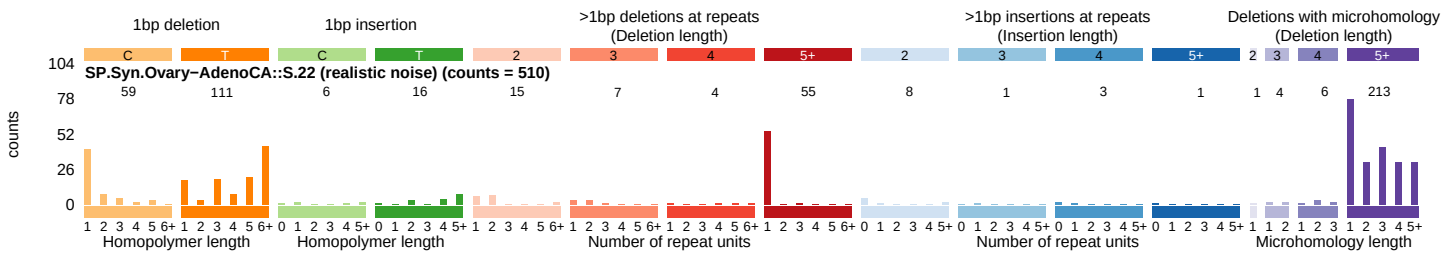
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.21 (realistic noise) (counts = 1711)
133 168 15 108 39 25 15 49 9 6 7 36 9 15 29 1048
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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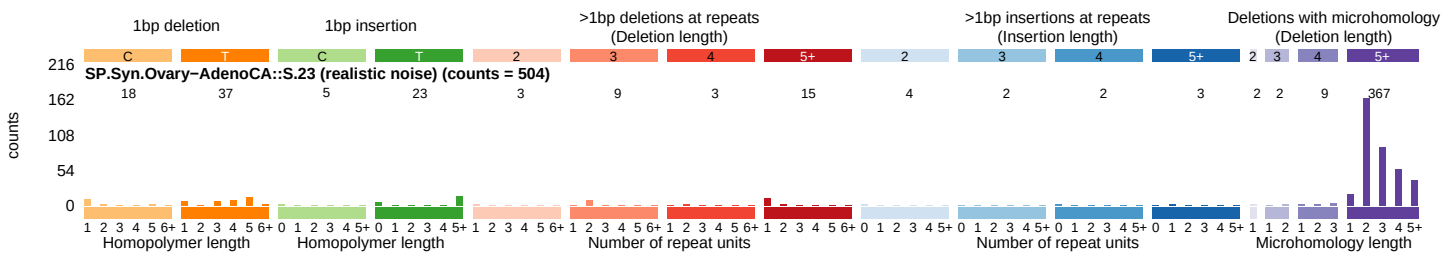
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.22 (realistic noise) (counts = 510)
59 111 6 16 15 7 4 55 8 1 3 1 1 4 6 213
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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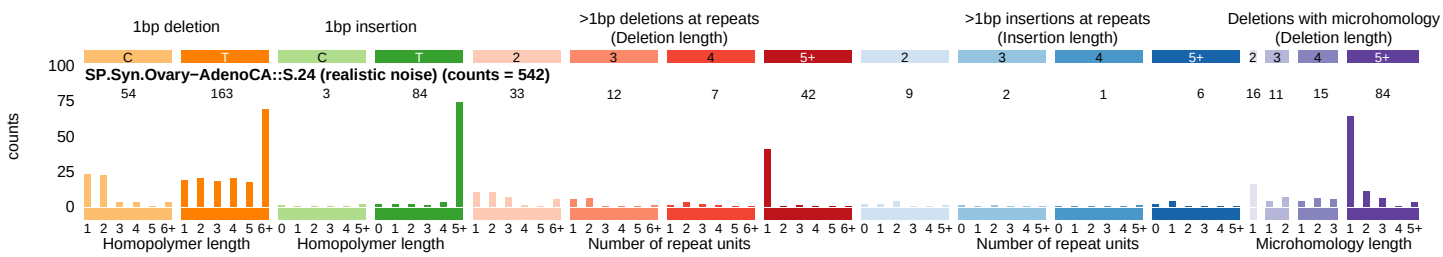
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.23 (realistic noise) (counts = 504)
18 37 5 23 3 9 3 15 4 2 2 3 2 2 9 367
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
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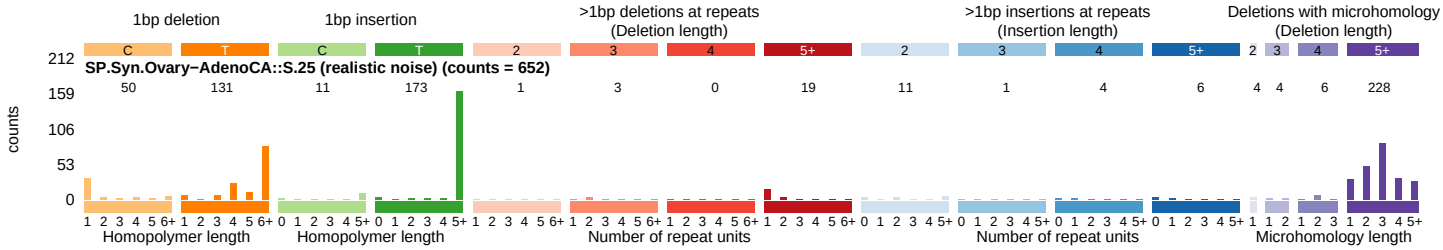
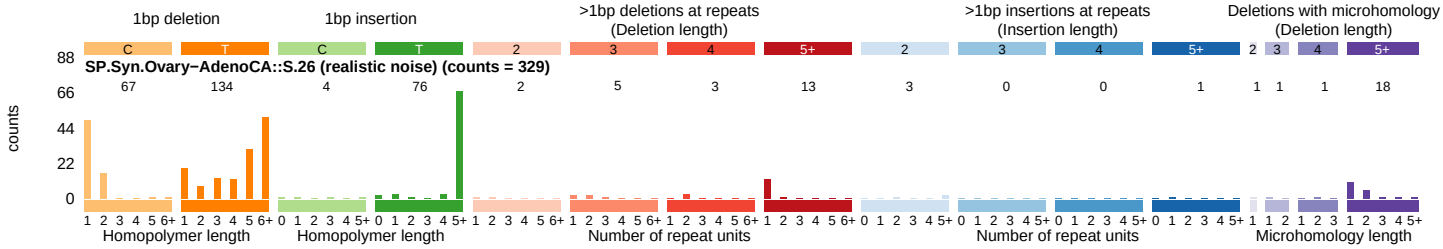
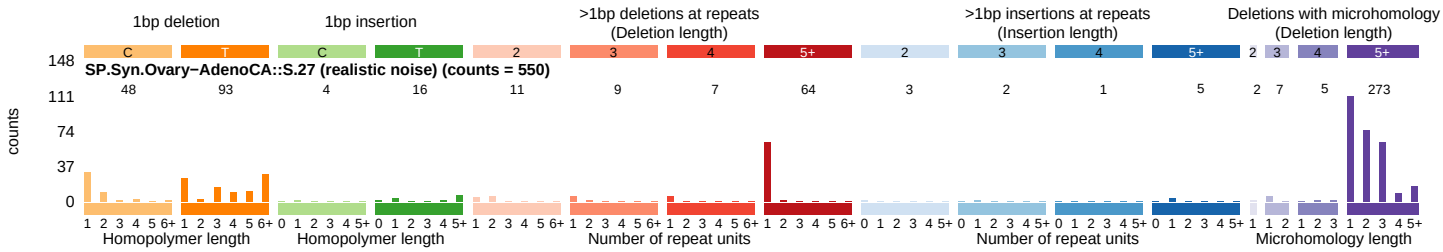
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.24 (realistic noise) (counts = 542)
54 163 3 84 33 12 7 42 9 2 1 6 16 11 15 84
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.25 (realistic noise) (counts = 652)
50 131 11 173 1 3 0 19 11 1 4 6 4 4 6 228
counts
212 159 106 53 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.26 (realistic noise) (counts = 329)
67 134 4 76 2 5 3 13 3 0 0 1 1 1 1 18
counts
88 66 44 22 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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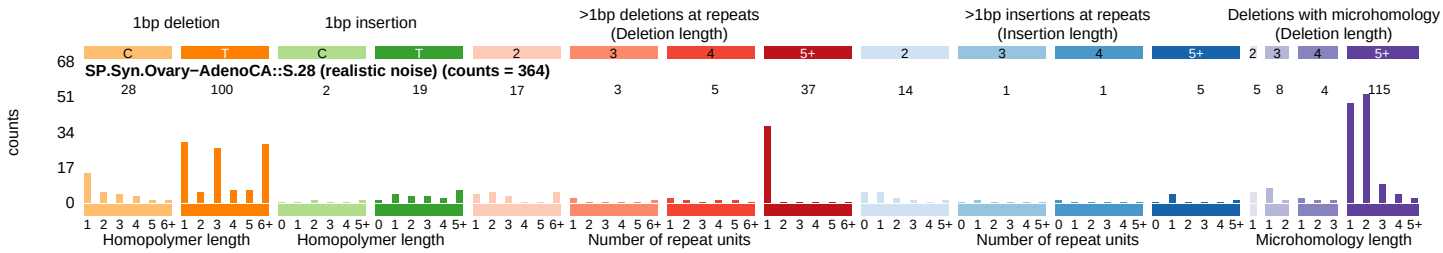
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.27 (realistic noise) (counts = 550)
48 93 4 16 11 9 7 64 3 2 1 5 2 7 5 273
counts
148 111 74 37 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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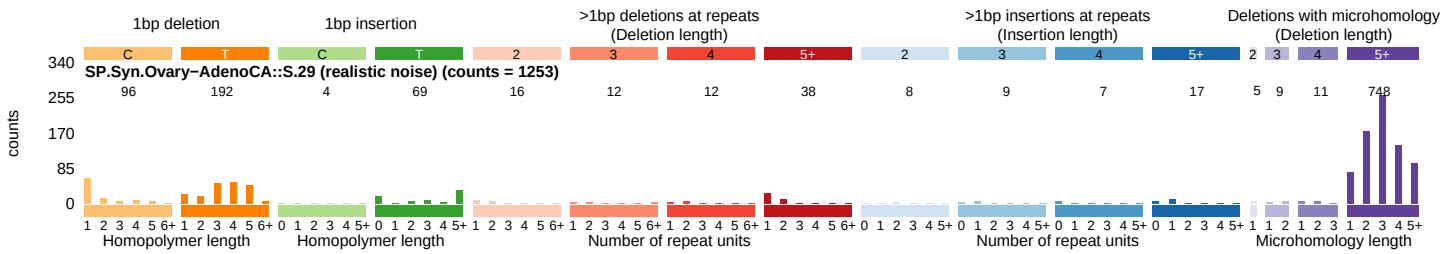
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.28 (realistic noise) (counts = 364)
28 100 2 19 17 3 5 37 14 1 1 5 5 8 4 115
counts
68 51 34 17 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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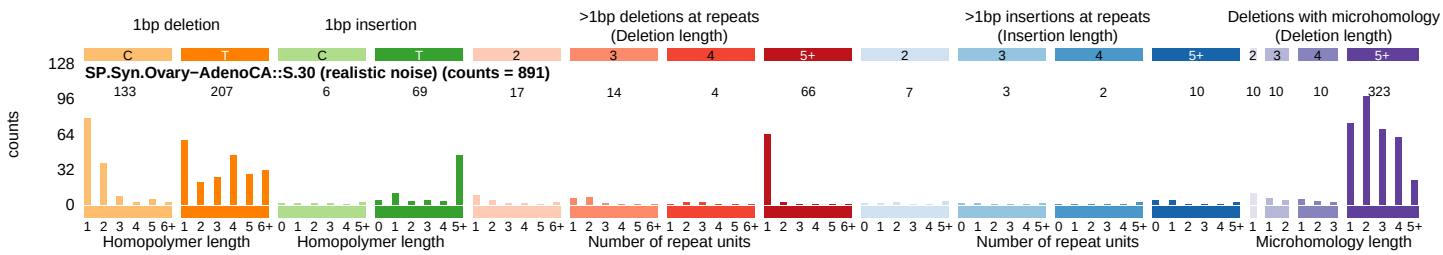
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.29 (realistic noise) (counts = 1253)
96 192 4 69 16 12 12 38 8 9 7 17 5 9 11 748
counts
340 255 170 85 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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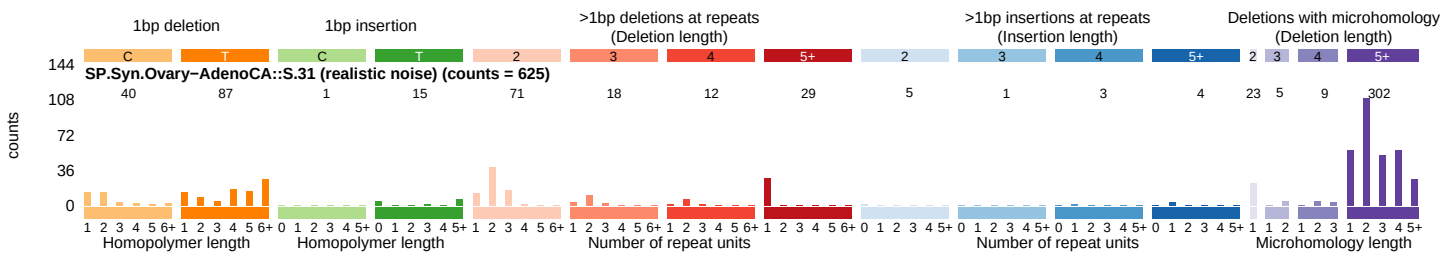
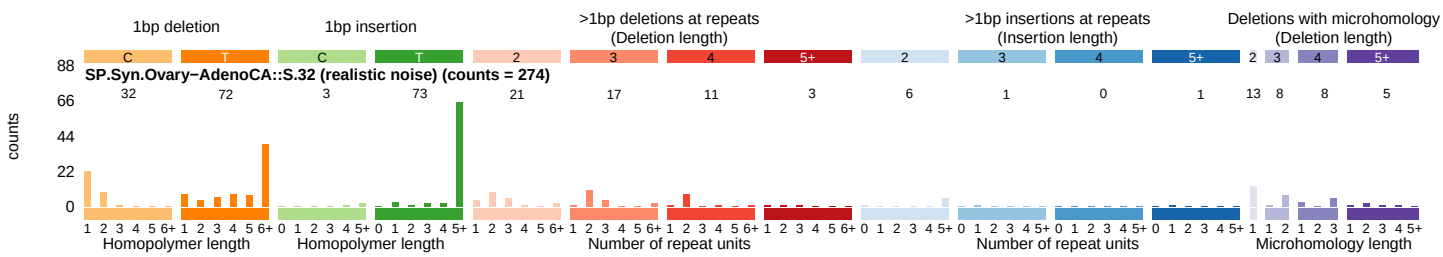
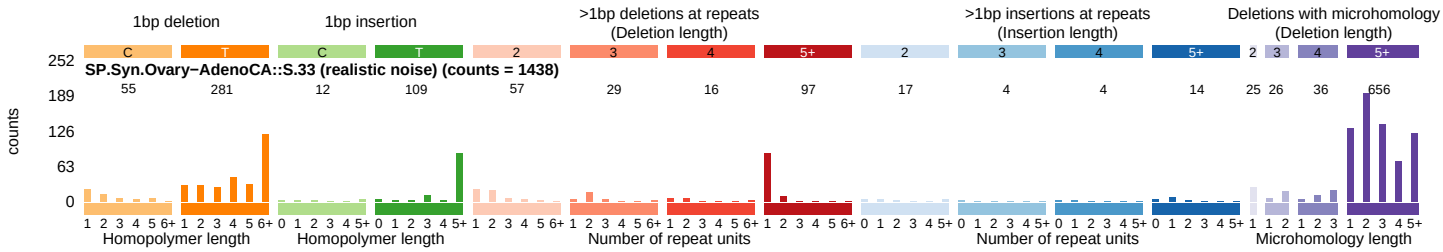
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.30 (realistic noise) (counts = 891)
133 207 6 69 17 14 4 66 7 3 2 10 10 10 10 323
counts
128 96 64 32 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.31 (realistic noise) (counts = 625)
40 87 1 15 71 18 12 29 5 1 3 4 23 5 9 302
counts
144 108 72 36 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.32 (realistic noise) (counts = 274)
32 72 3 73 21 17 11 3 6 1 0 1 13 8 8 5
counts
88 66 44 22 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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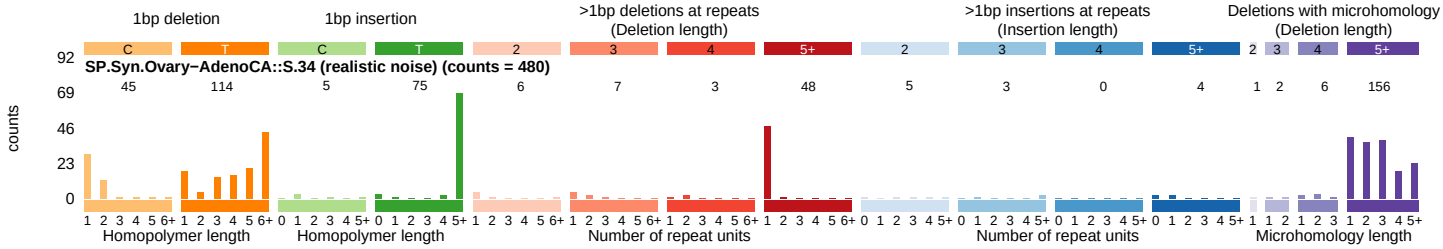
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.33 (realistic noise) (counts = 1438)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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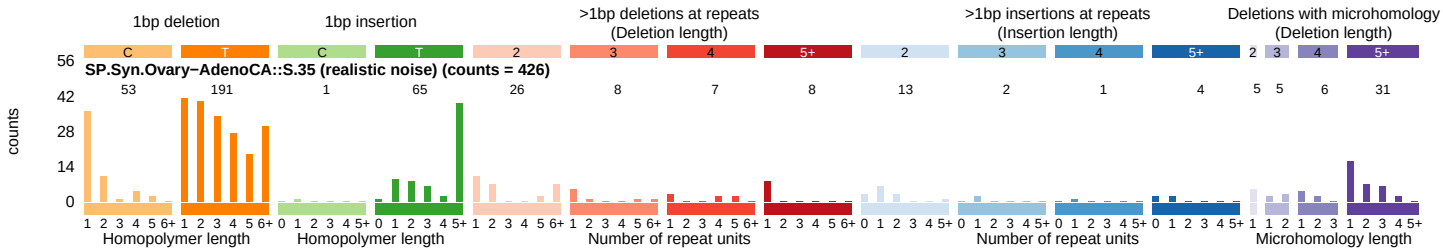
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.34 (realistic noise) (counts = 480)
counts
Homopolymer length
Number of repeat units
Microhomology length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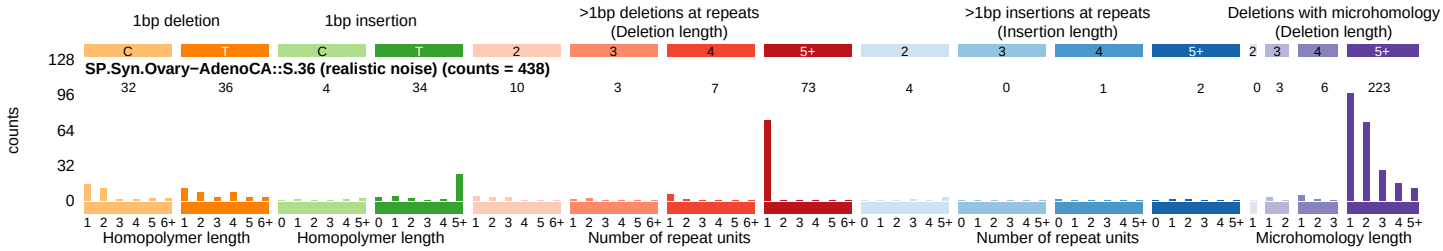
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.35 (realistic noise) (counts = 426)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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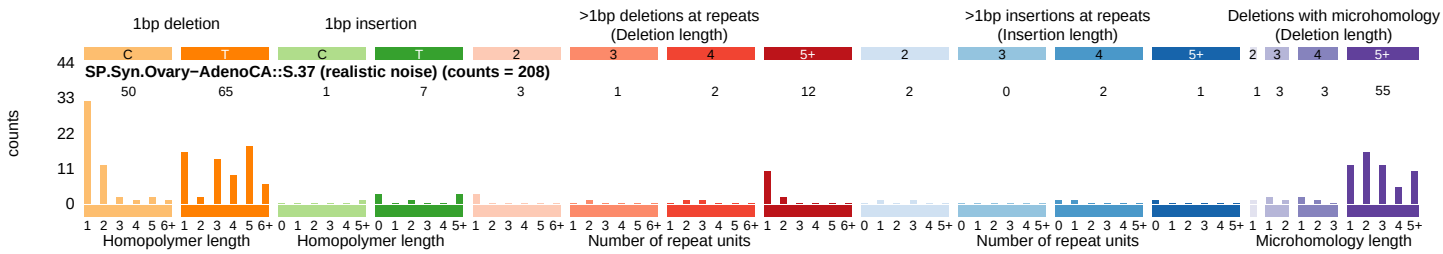
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.36 (realistic noise) (counts = 438)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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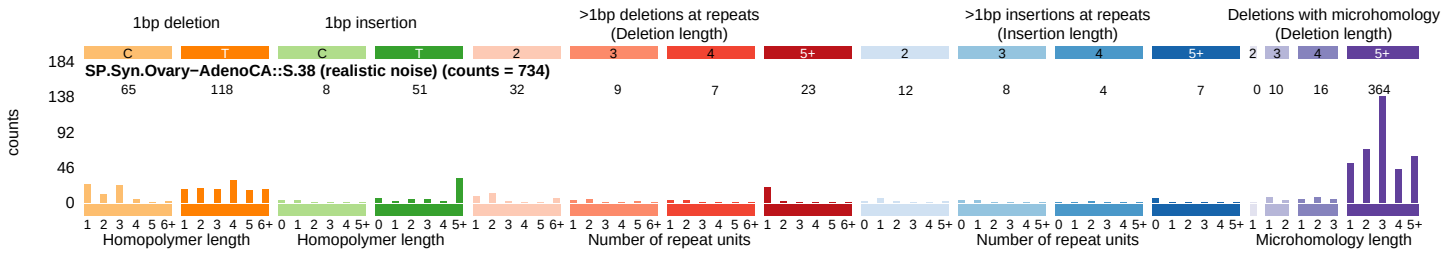
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.37 (realistic noise) (counts = 208)
counts
Homopolymer length
Number of repeat units
Microhomology length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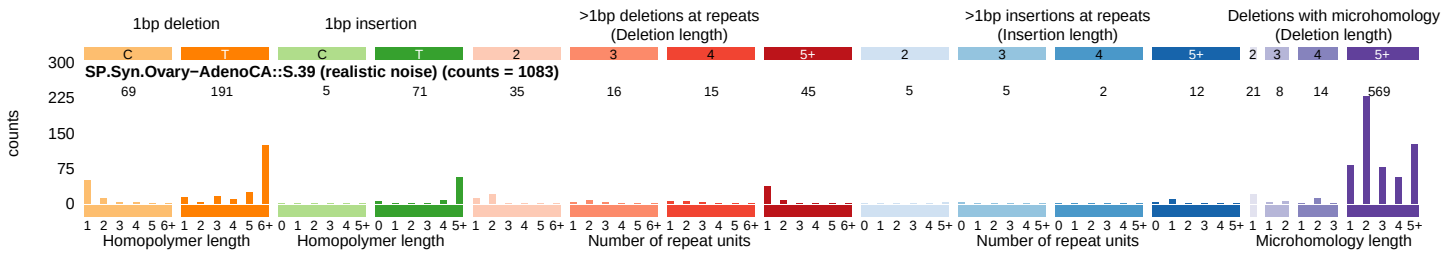
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.38 (realistic noise) (counts = 734)
counts
Homopolymer length
Number of repeat units
Microhomology length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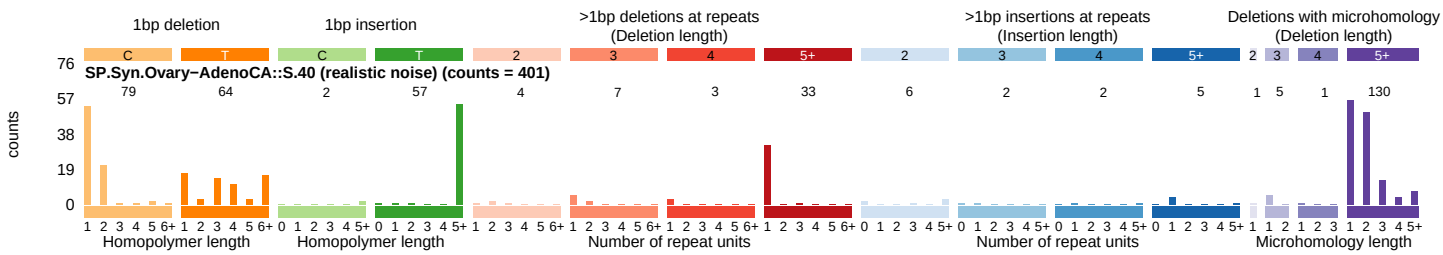
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.39 (realistic noise) (counts = 1083)
counts
Homopolymer length
Number of repeat units
Microhomology length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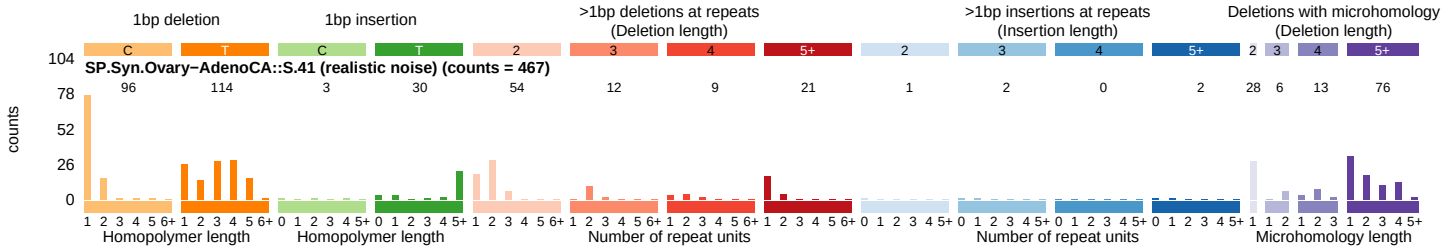
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.40 (realistic noise) (counts = 401)
counts
Homopolymer length
Number of repeat units
Microhomology length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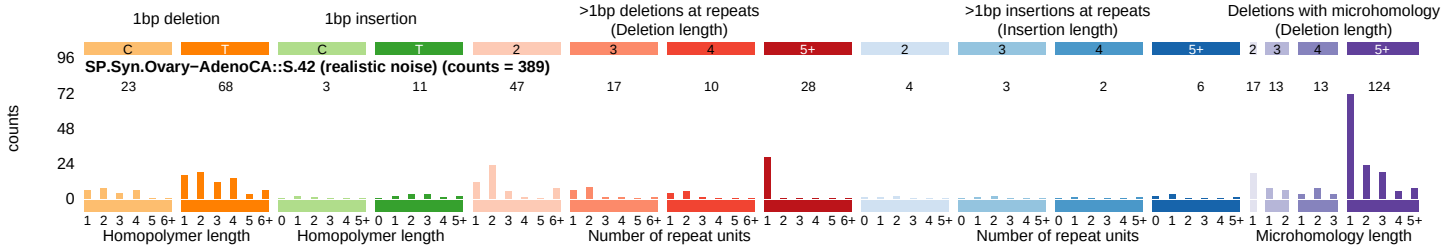
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.41 (realistic noise) (counts = 467)
96 114 3 30 54 12 9 21 1 2 0 2 28 6 13 76
counts
Homopolymer length
Number of repeat units
Microhomology length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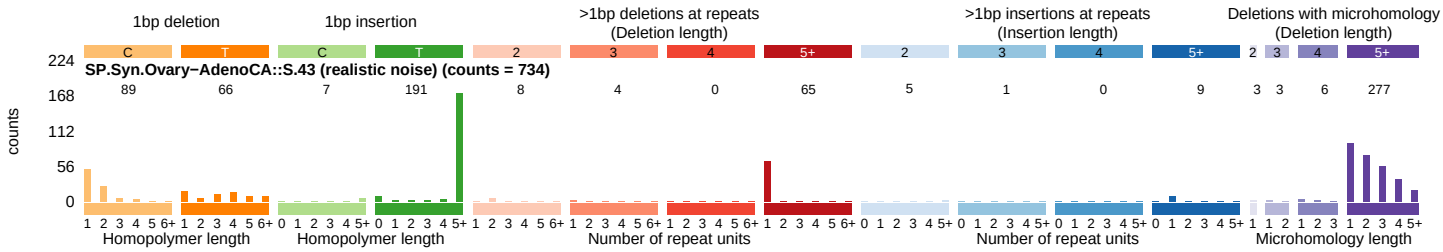
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.42 (realistic noise) (counts = 389)
23 68 3 11 47 17 10 28 4 3 2 6 17 13 13 124
counts
Homopolymer length
Number of repeat units
Microhomology length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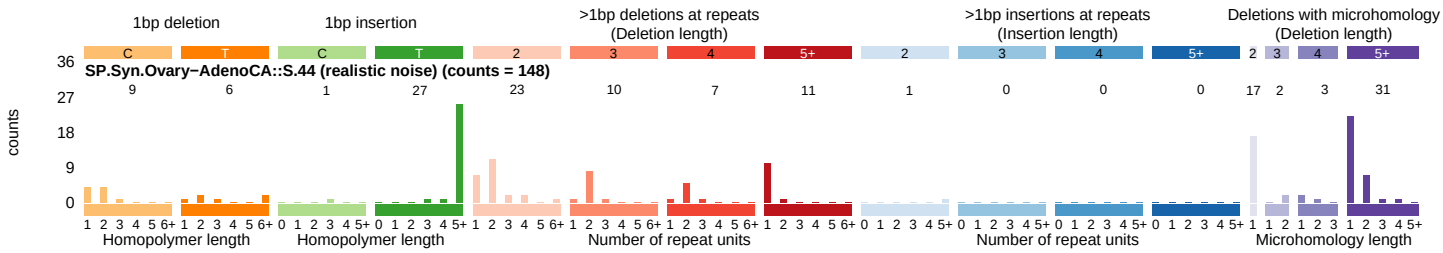
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.43 (realistic noise) (counts = 734)
89 66 7 191 8 4 0 65 5 1 0 9 3 3 6 277
counts
Homopolymer length
Number of repeat units
Microhomology length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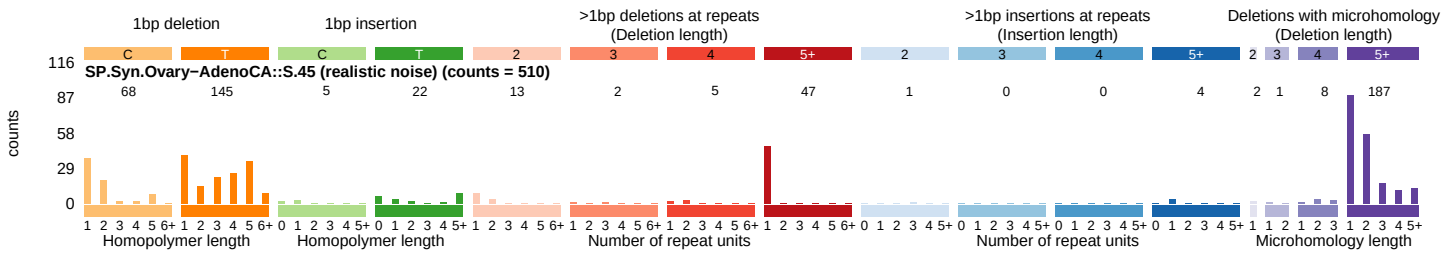
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.44 (realistic noise) (counts = 148)
9 6 1 27 23 10 7 11 1 0 0 0 17 2 3 31
counts
Homopolymer length
Number of repeat units
Microhomology length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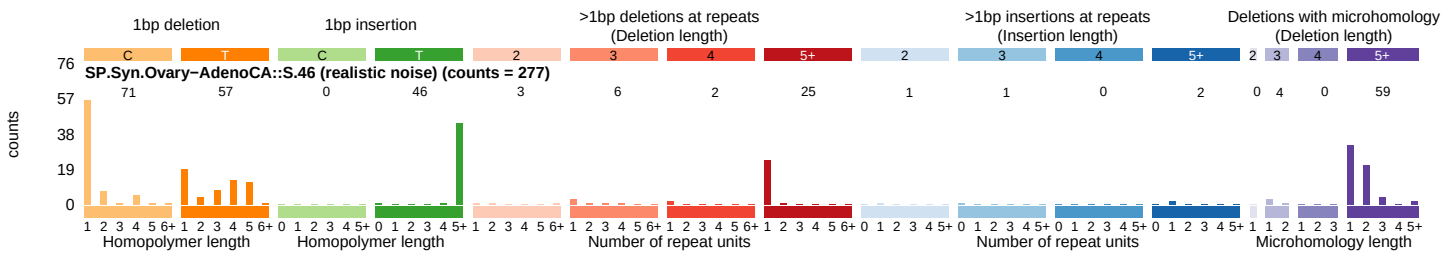
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.45 (realistic noise) (counts = 510)
68 145 5 22 13 2 5 47 1 0 0 4 2 1 8 187
counts
Homopolymer length
Number of repeat units
Microhomology length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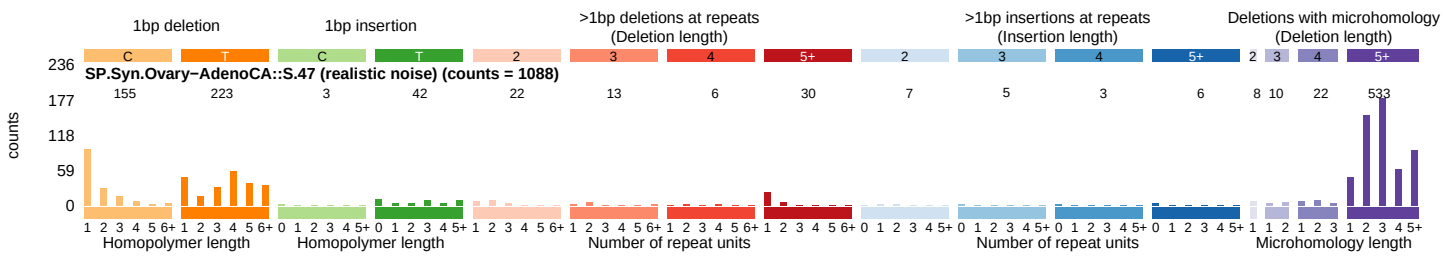
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.46 (realistic noise) (counts = 277)
71 57 0 46 3 6 2 25 1 1 0 2 0 4 0 59
counts
Homopolymer length
Number of repeat units
Microhomology length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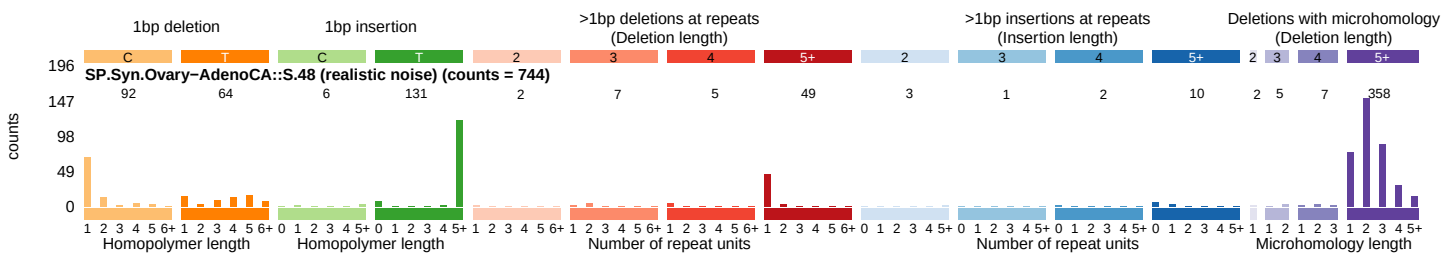
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.47 (realistic noise) (counts = 1088)
155 223 3 42 22 13 6 30 7 5 3 6 8 10 22 533
counts
Homopolymer length
Number of repeat units
Microhomology length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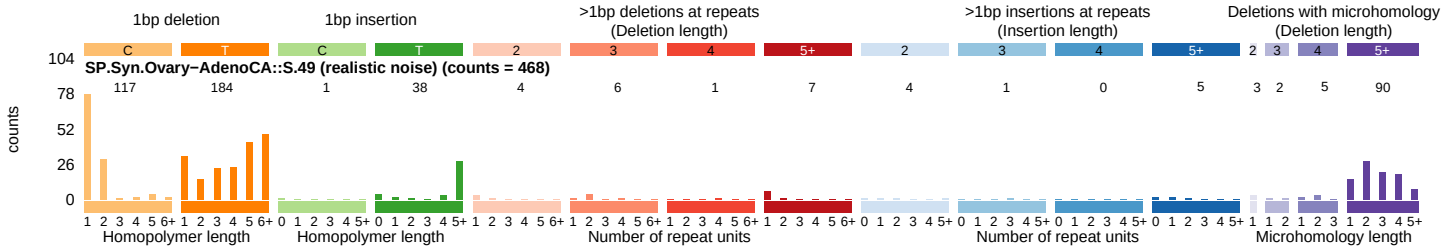
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.48 (realistic noise) (counts = 744)
92 64 6 131 2 7 5 49 3 1 2 10 2 5 7 358
counts
Homopolymer length
Number of repeat units
Microhomology length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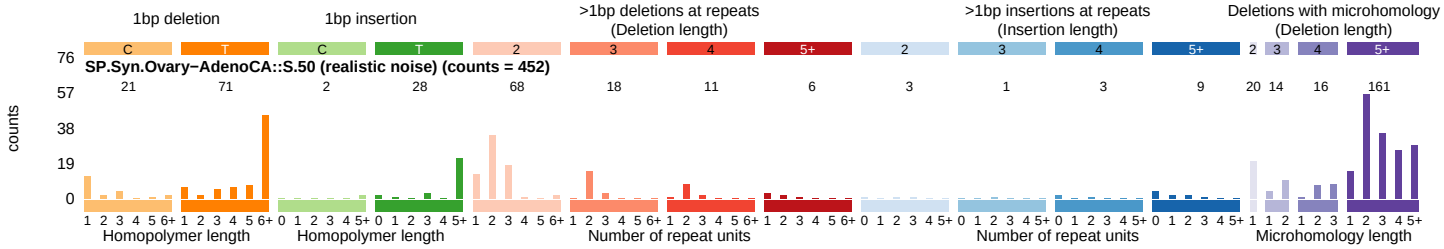
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.49 (realistic noise) (counts = 468)
117 184 1 38 4 6 1 7 4 1 0 5 3 2 5 90
counts
Homopolymer length
Number of repeat units
Microhomology length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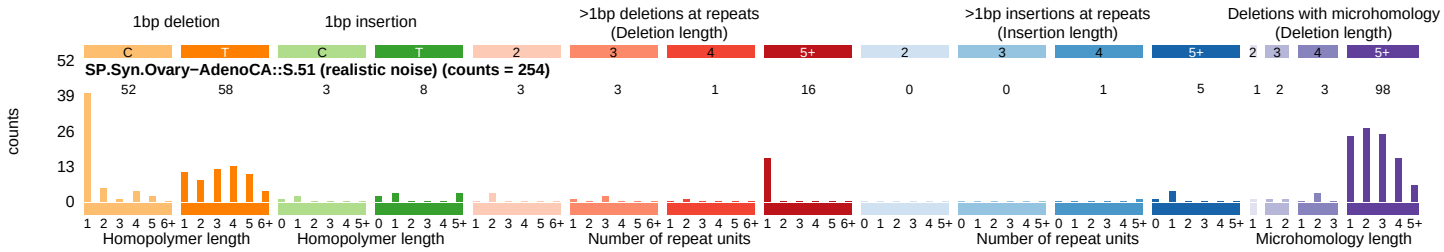
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.50 (realistic noise) (counts = 452)
21 71 2 28 68 18 11 6 3 1 3 9 20 14 16 161
counts
Homopolymer length
Number of repeat units
Microhomology length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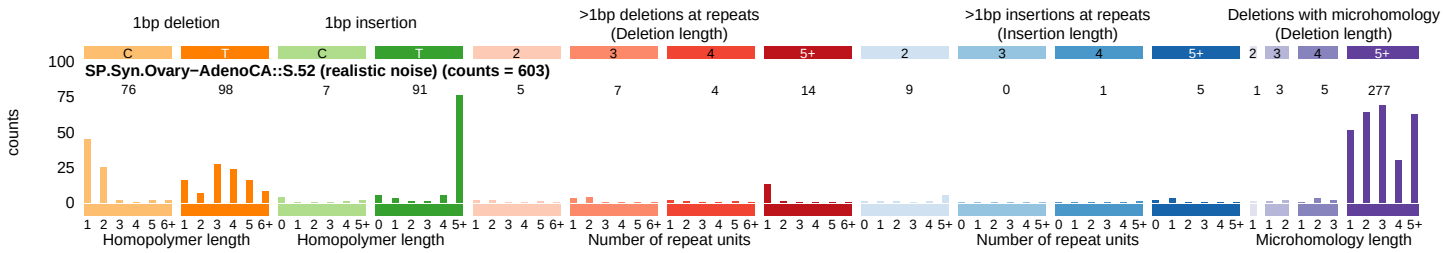
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.51 (realistic noise) (counts = 254)
52 58 3 8 3 3 1 16 0 0 1 5 1 2 3 98
counts
Homopolymer length
Number of repeat units
Microhomology length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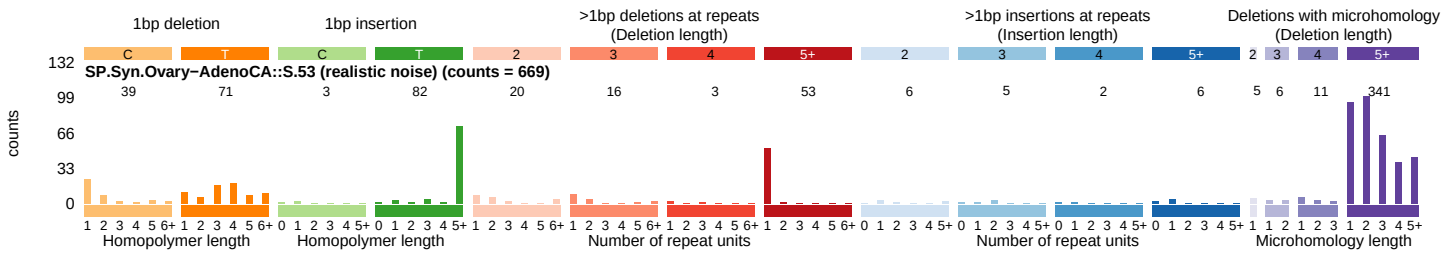
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.52 (realistic noise) (counts = 603)
76 98 7 91 5 7 4 14 9 0 1 5 1 3 5 277
counts
Homopolymer length
Number of repeat units
Microhomology length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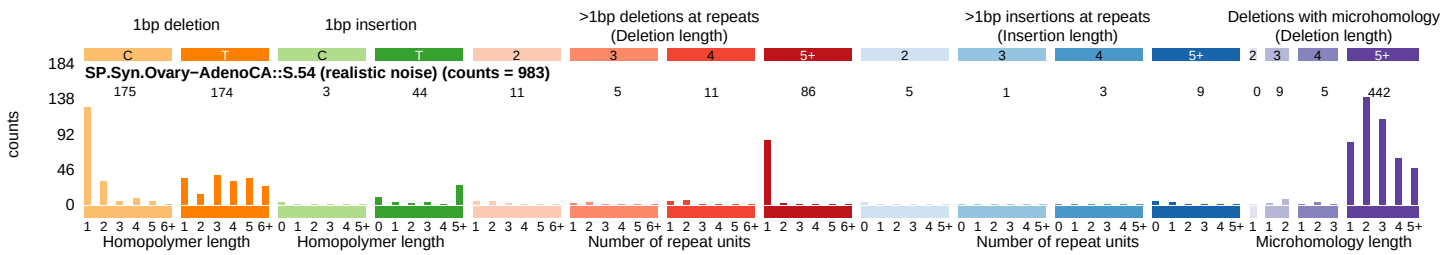
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.53 (realistic noise) (counts = 669)
39 71 3 82 20 16 3 53 6 5 2 6 5 6 11 341
counts
Homopolymer length
Number of repeat units
Microhomology length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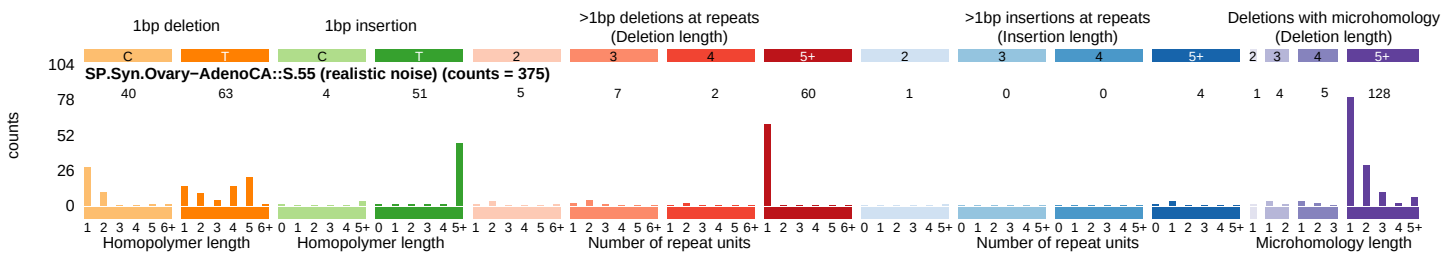
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.54 (realistic noise) (counts = 983)
175 174 3 44 11 5 11 86 5 1 3 9 0 9 5 442
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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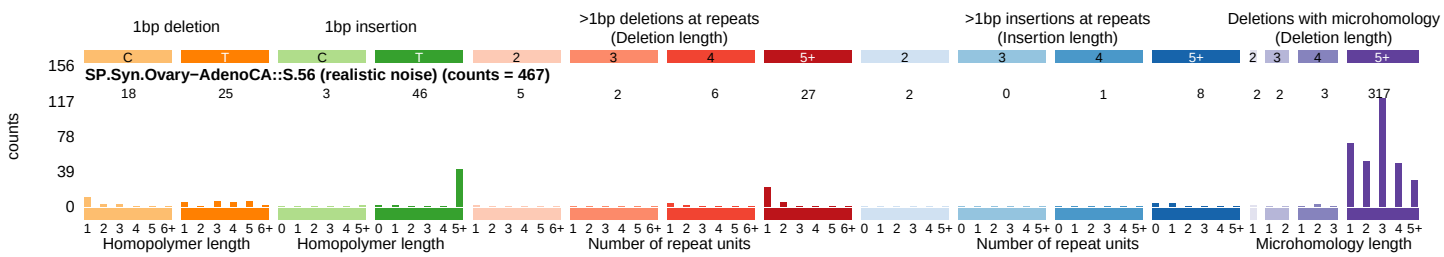
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.55 (realistic noise) (counts = 375)
40 63 4 51 5 7 2 60 1 0 0 4 1 4 5 128
counts
Homopolymer length
Number of repeat units
Microhomology length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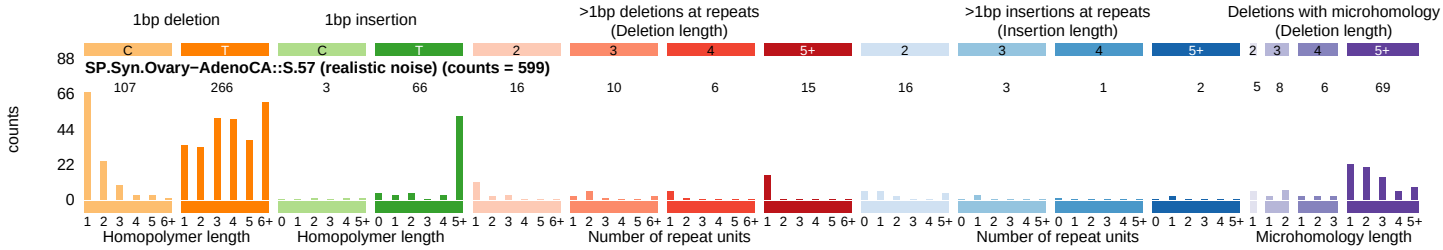
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.56 (realistic noise) (counts = 467)
18 25 3 46 5 2 6 27 2 0 1 8 2 2 3 317
counts
Homopolymer length
Number of repeat units
Microhomology length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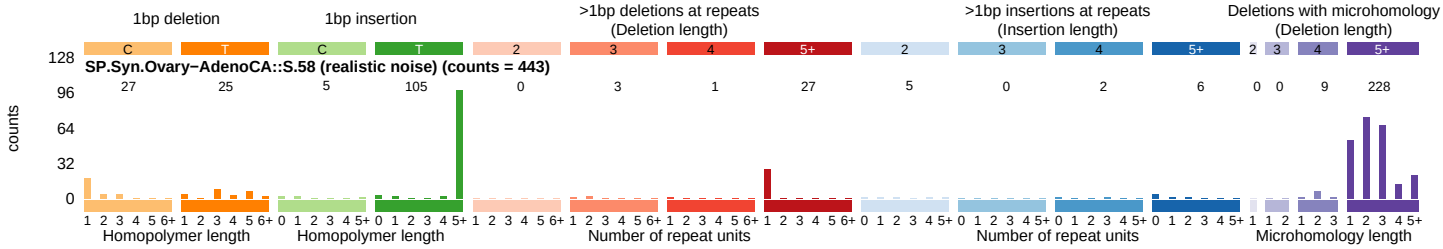
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.57 (realistic noise) (counts = 599)
107 266 3 66 16 10 6 15 16 3 1 2 5 8 6 69
counts
Homopolymer length
Number of repeat units
Microhomology length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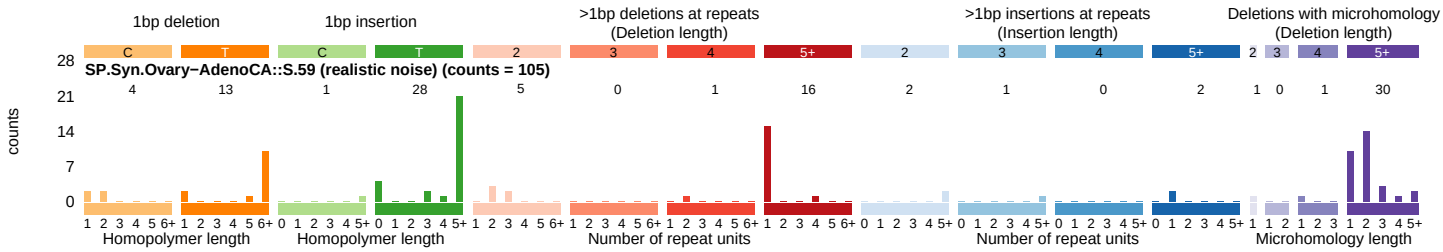
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.58 (realistic noise) (counts = 443)
27 25 5 105 0 3 1 27 5 0 2 6 0 0 9 228
counts
Homopolymer length
Number of repeat units
Microhomology length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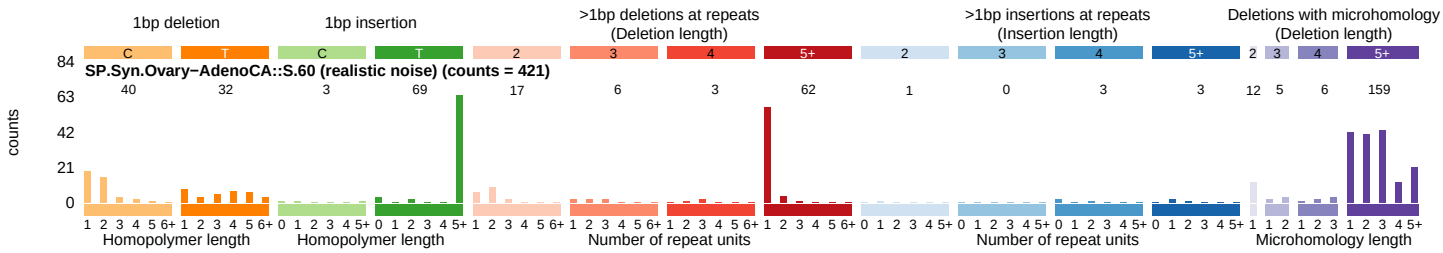
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.59 (realistic noise) (counts = 105)
4 13 1 28 5 0 1 16 2 1 0 2 1 0 1 30
counts
Homopolymer length
Number of repeat units
Microhomology length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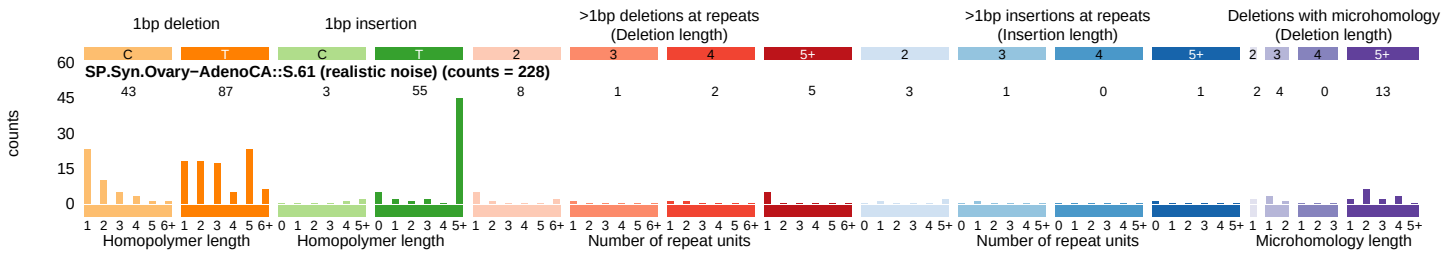
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.60 (realistic noise) (counts = 421)
40 32 3 69 17 6 3 62 1 0 3 3 12 5 6 159
counts
Homopolymer length
Number of repeat units
Microhomology length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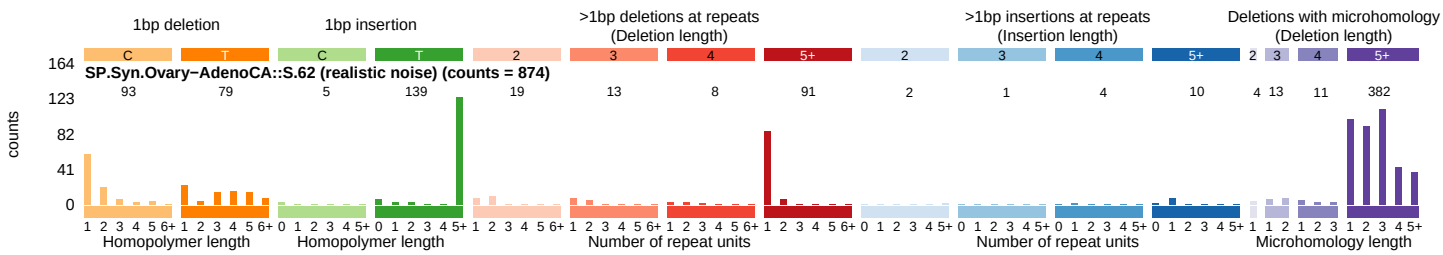
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.61 (realistic noise) (counts = 228)
43 87 3 55 8 1 2 5 3 1 0 1 2 4 0 13
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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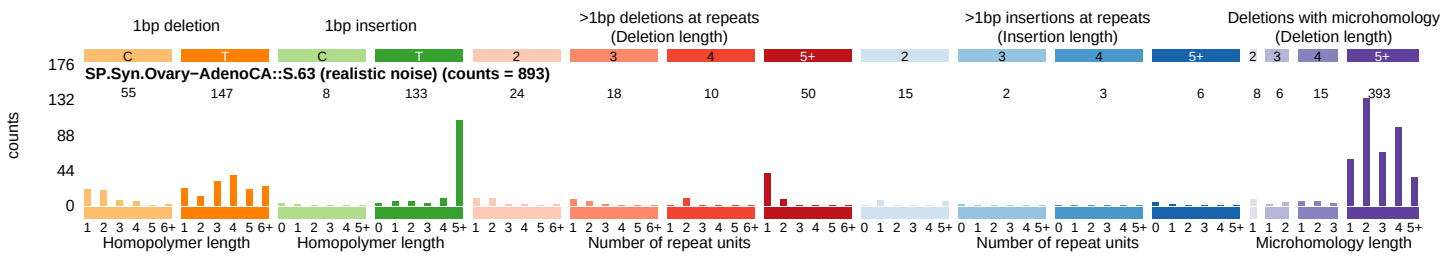
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.62 (realistic noise) (counts = 874)
93 79 5 139 19 13 8 91 2 1 4 10 4 13 11 382
counts
Homopolymer length
Number of repeat units
Microhomology length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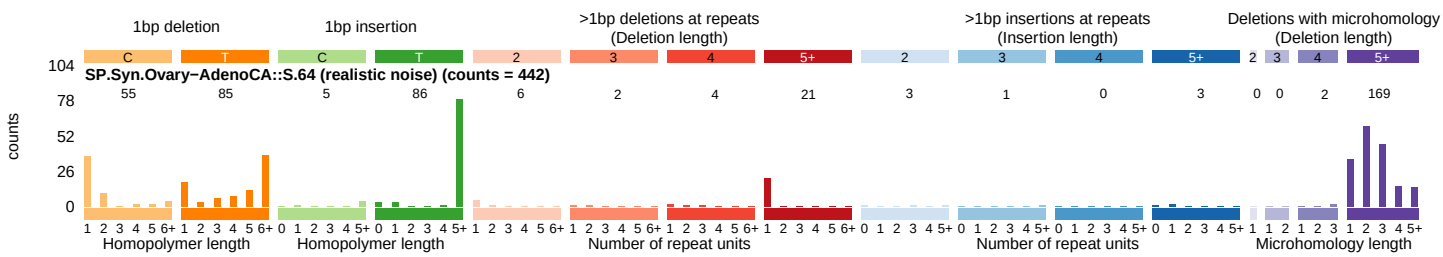
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.63 (realistic noise) (counts = 893)
55 147 8 133 24 18 10 50 15 2 3 6 8 6 15 393
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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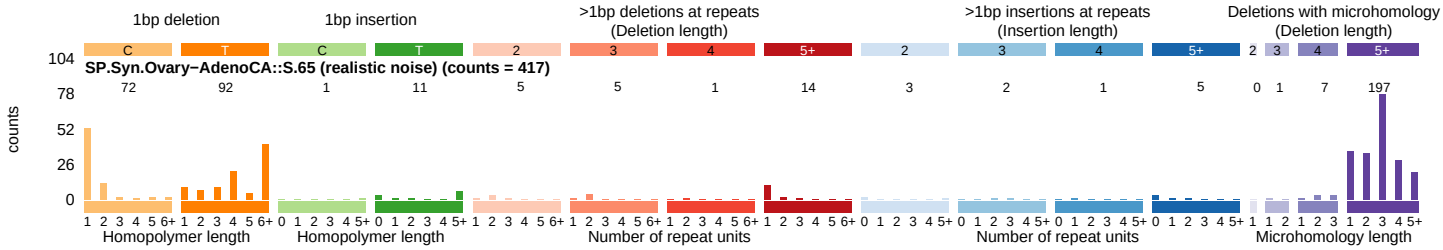
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.64 (realistic noise) (counts = 442)
55 85 5 86 6 2 4 21 3 1 0 3 0 0 2 169
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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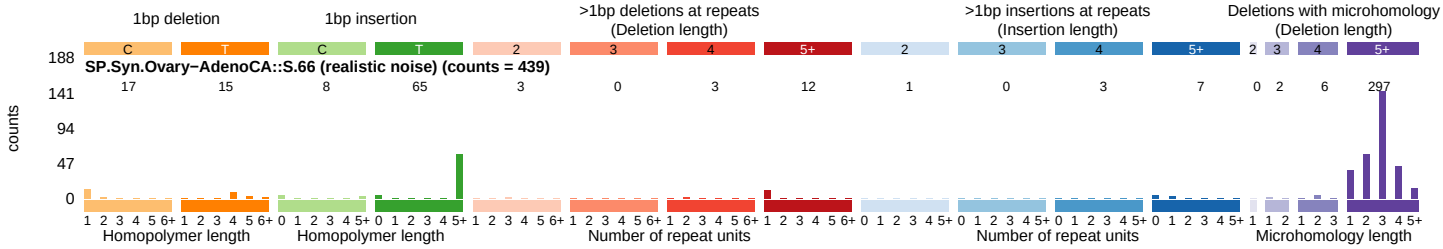
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.65 (realistic noise) (counts = 417)
72 92 1 11 5 5 1 14 3 2 1 5 0 1 7 197
counts
Homopolymer length
Number of repeat units
Microhomology length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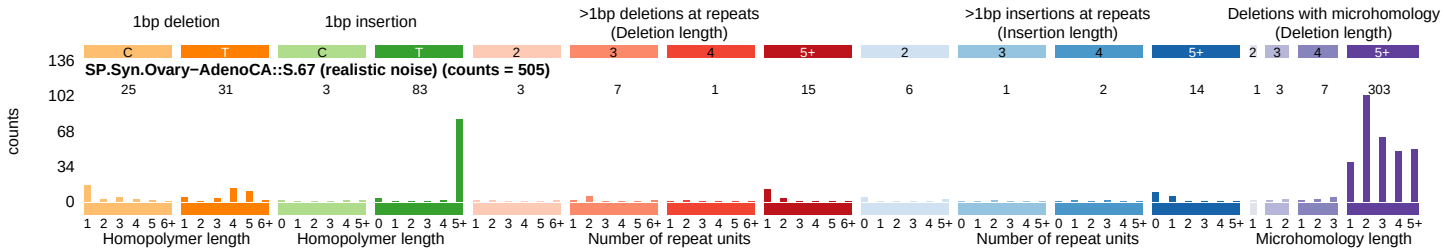
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.66 (realistic noise) (counts = 439)
17 15 8 65 3 0 3 12 1 0 3 7 0 2 6 297
counts
Homopolymer length
Number of repeat units
Microhomology length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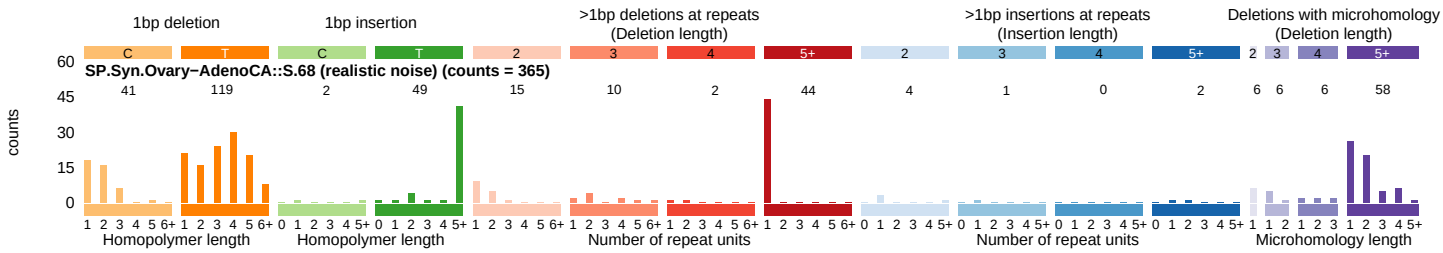
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.67 (realistic noise) (counts = 505)
25 31 3 83 3 7 1 15 6 1 2 14 1 3 7 303
counts
Homopolymer length
Number of repeat units
Microhomology length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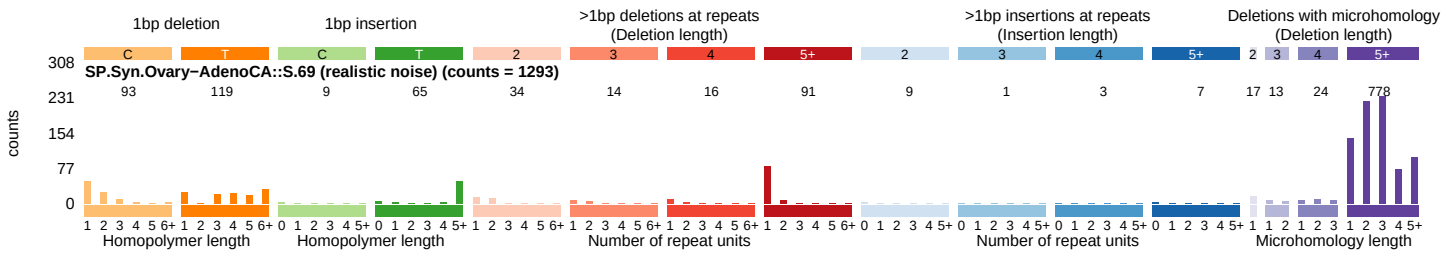
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.68 (realistic noise) (counts = 365)
41 119 2 49 15 10 2 44 4 1 0 2 6 6 6 58
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
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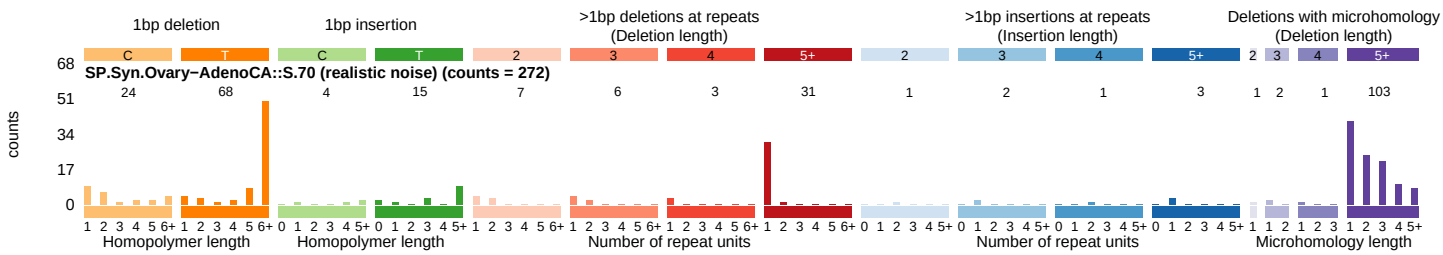
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.69 (realistic noise) (counts = 1293)
93 119 9 65 34 14 16 91 9 1 3 7 17 13 24 778
counts
Homopolymer length
Number of repeat units
Microhomology length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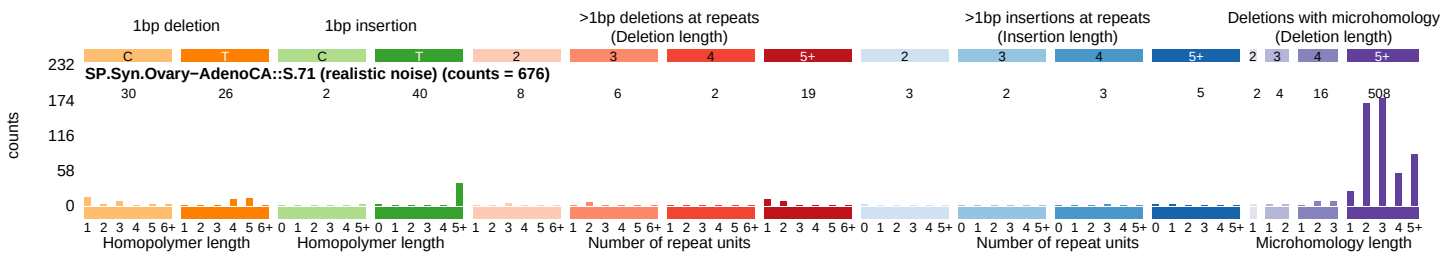
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.70 (realistic noise) (counts = 272)
24 68 4 15 7 6 3 31 1 2 1 3 1 2 1 103
counts
Homopolymer length
Number of repeat units
Microhomology length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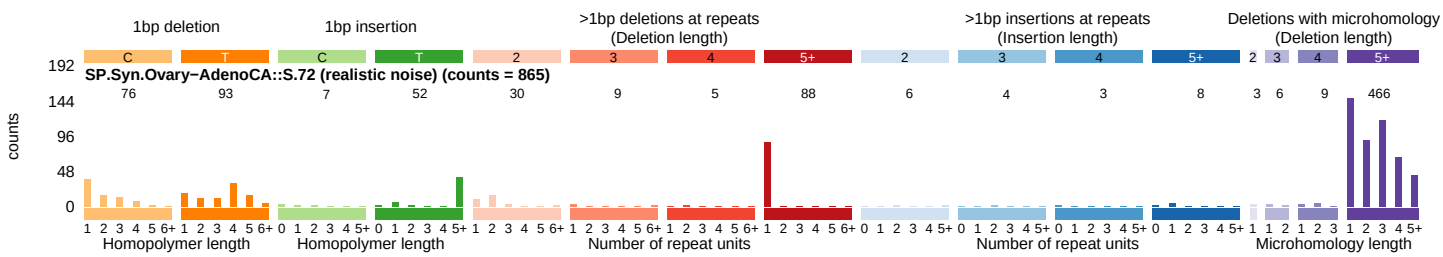
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.71 (realistic noise) (counts = 676)
30 26 2 40 8 6 2 19 3 2 3 5 2 4 16 508
counts
Homopolymer length
Number of repeat units
Microhomology length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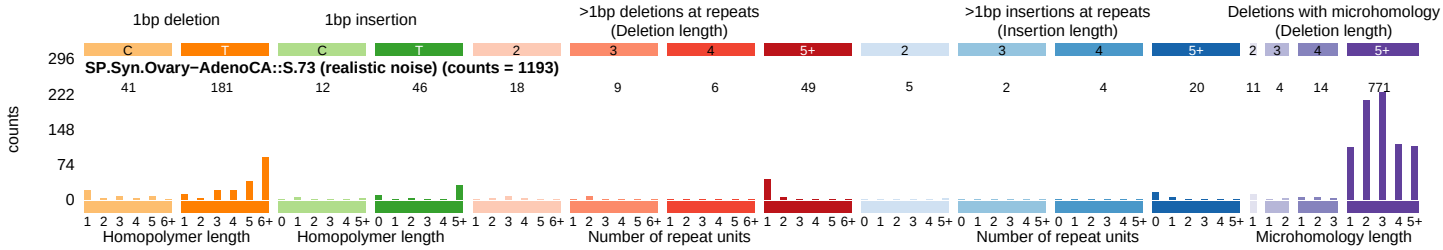
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.72 (realistic noise) (counts = 865)
76 93 7 52 30 9 5 88 6 4 3 8 3 6 9 466
counts
Homopolymer length
Number of repeat units
Microhomology length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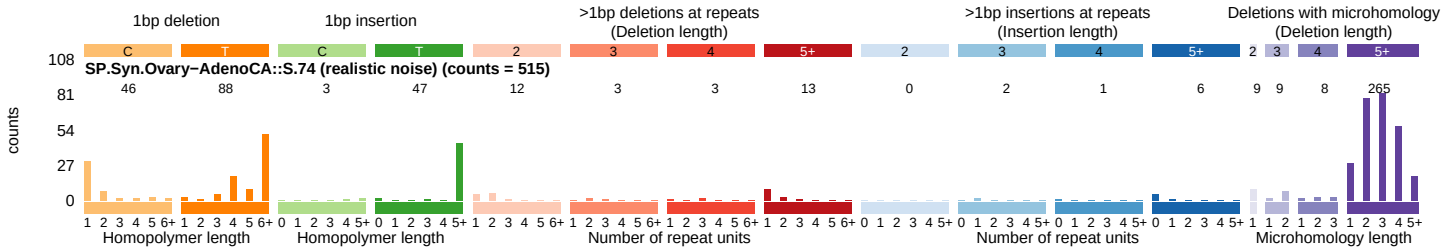
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.73 (realistic noise) (counts = 1193)
counts
Homopolymer length
Number of repeat units
Microhomology length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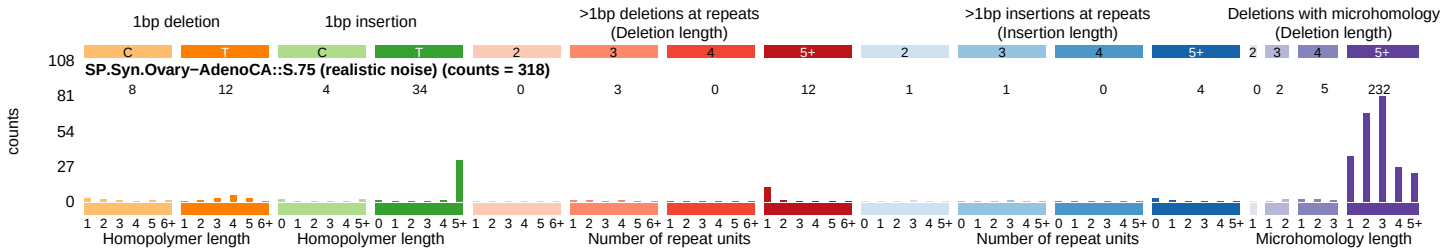
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.74 (realistic noise) (counts = 515)
counts
Homopolymer length
Number of repeat units
Microhomology length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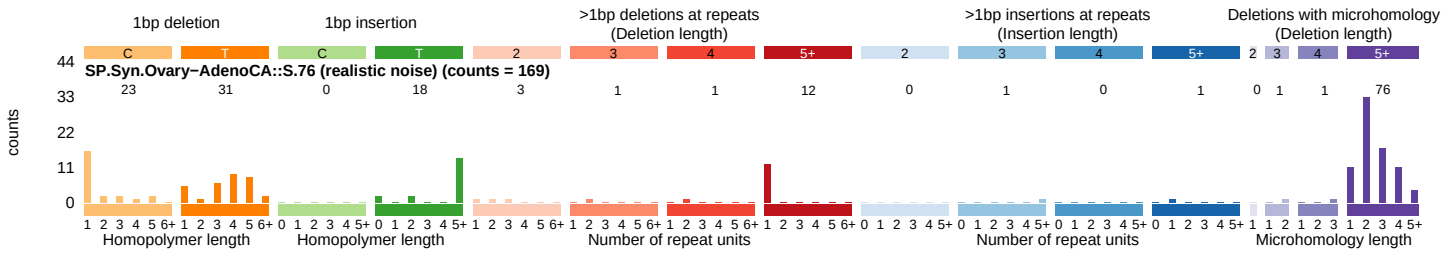
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.75 (realistic noise) (counts = 318)
counts
Homopolymer length
Number of repeat units
Microhomology length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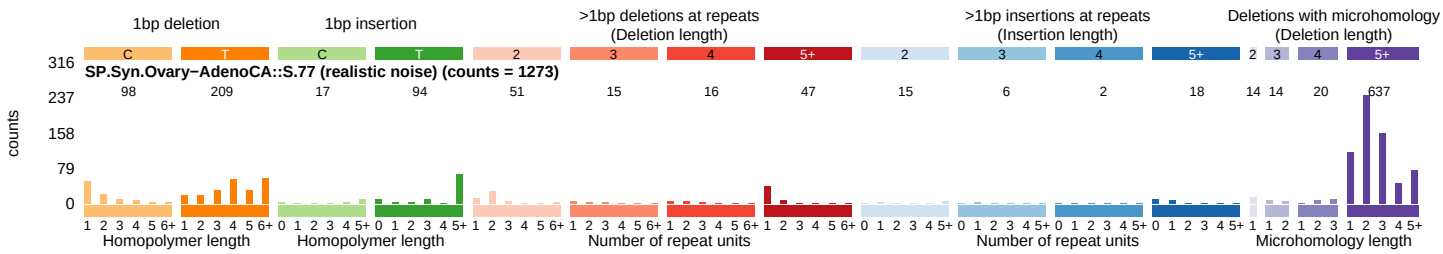
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.76 (realistic noise) (counts = 169)
counts
Homopolymer length
Number of repeat units
Microhomology length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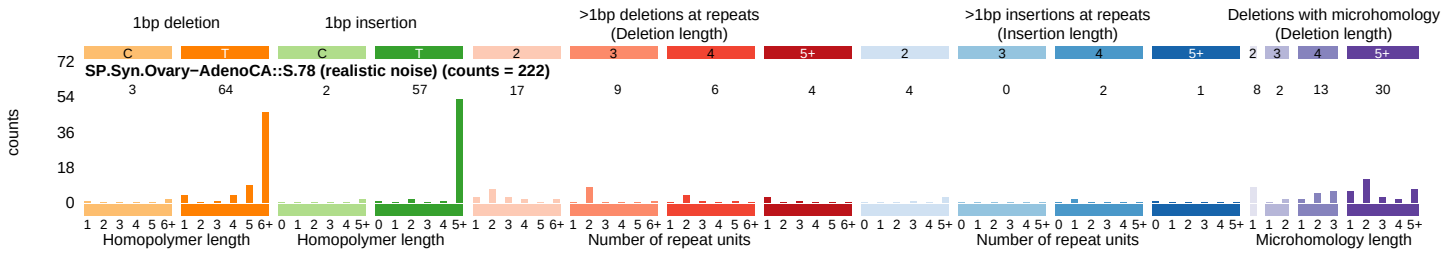
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.77 (realistic noise) (counts = 1273)
counts
Homopolymer length
Number of repeat units
Microhomology length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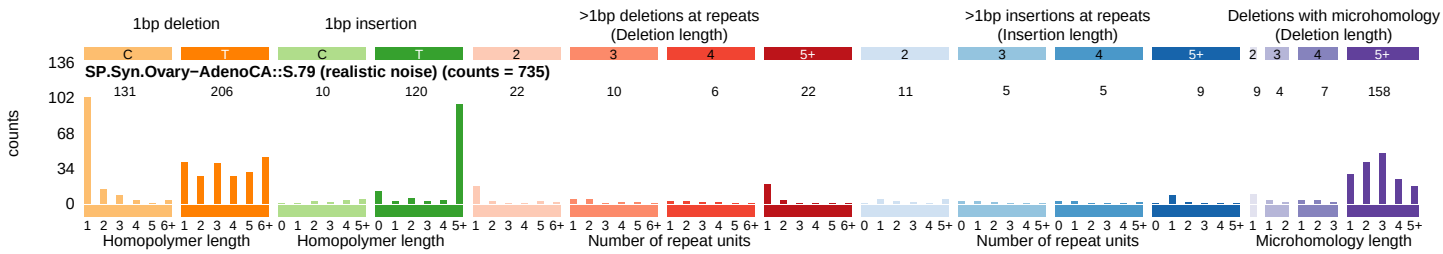
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.78 (realistic noise) (counts = 222)
counts
Homopolymer length
Number of repeat units
Microhomology length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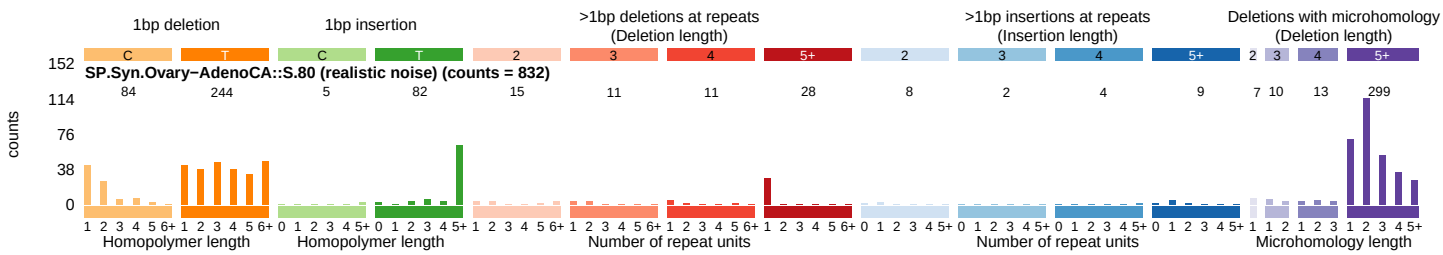
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.79 (realistic noise) (counts = 735)
counts
Homopolymer length
Number of repeat units
Microhomology length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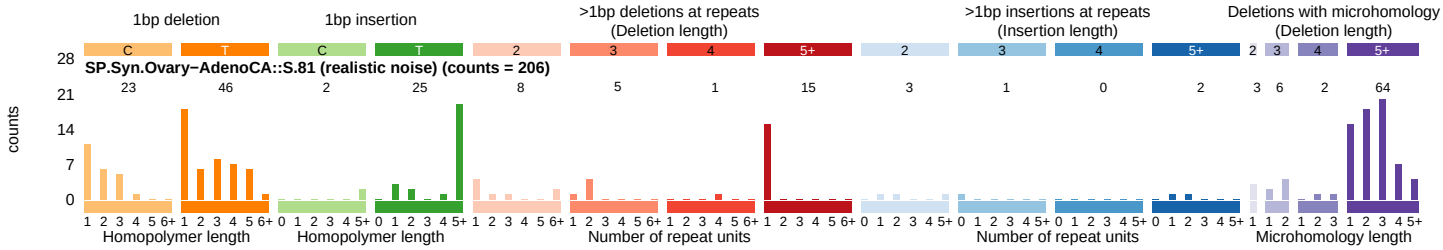
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.80 (realistic noise) (counts = 832)
counts
Homopolymer length
Number of repeat units
Microhomology length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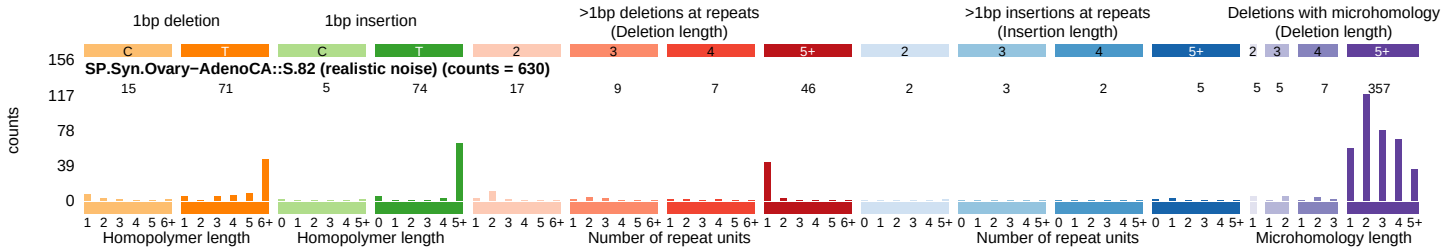
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.81 (realistic noise) (counts = 206)
23 46 2 25 8 5 1 15 3 1 0 2 3 6 2 64
counts
Homopolymer length
Number of repeat units
Microhomology length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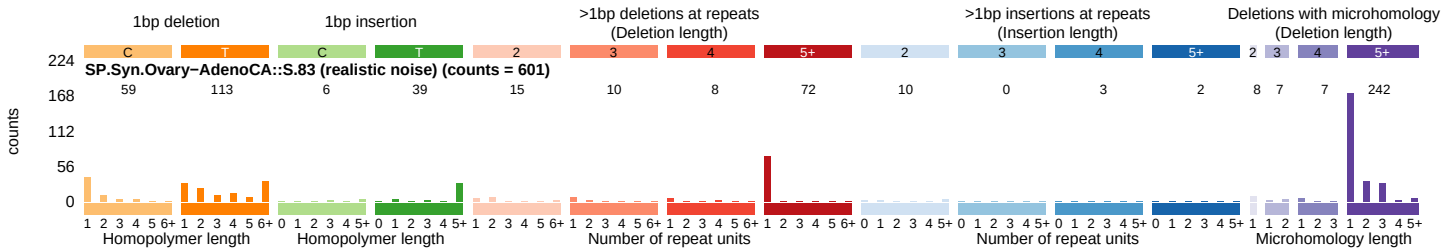
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.82 (realistic noise) (counts = 630)
15 71 5 74 17 9 7 46 2 3 2 5 5 5 7 357
counts
Homopolymer length
Number of repeat units
Microhomology length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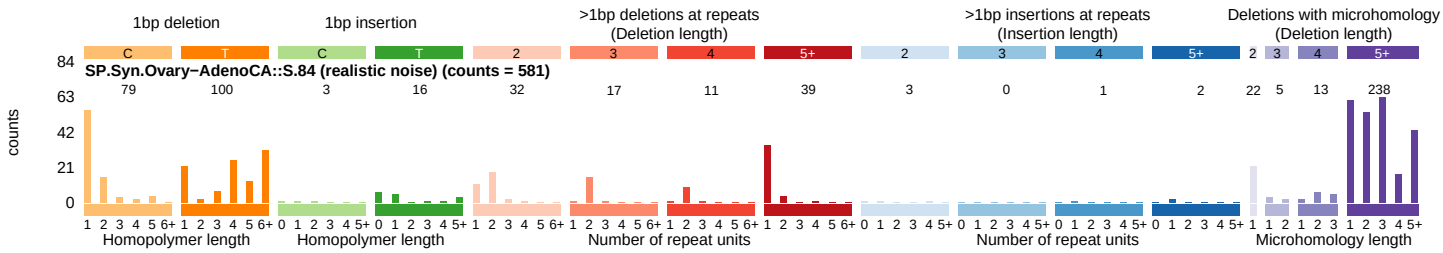
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.83 (realistic noise) (counts = 601)
59 113 6 39 15 10 8 72 10 0 3 2 8 7 7 242
counts
Homopolymer length
Number of repeat units
Microhomology length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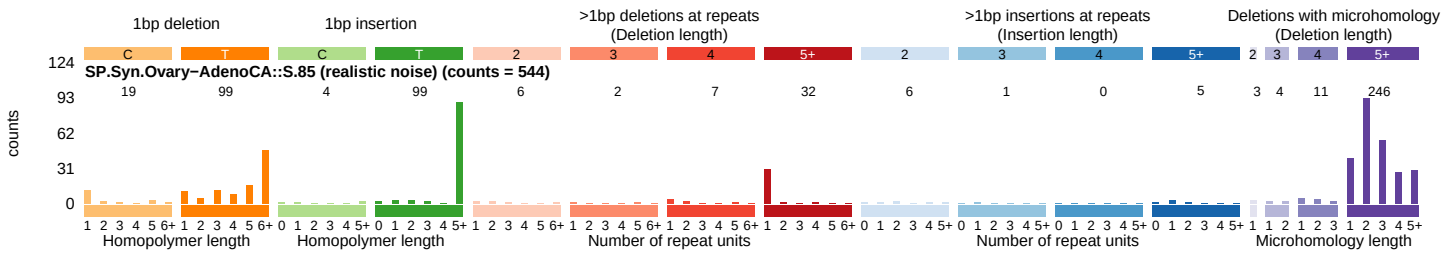
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.84 (realistic noise) (counts = 581)
79 100 3 16 32 17 11 39 3 0 1 2 22 5 13 238
counts
Homopolymer length
Number of repeat units
Microhomology length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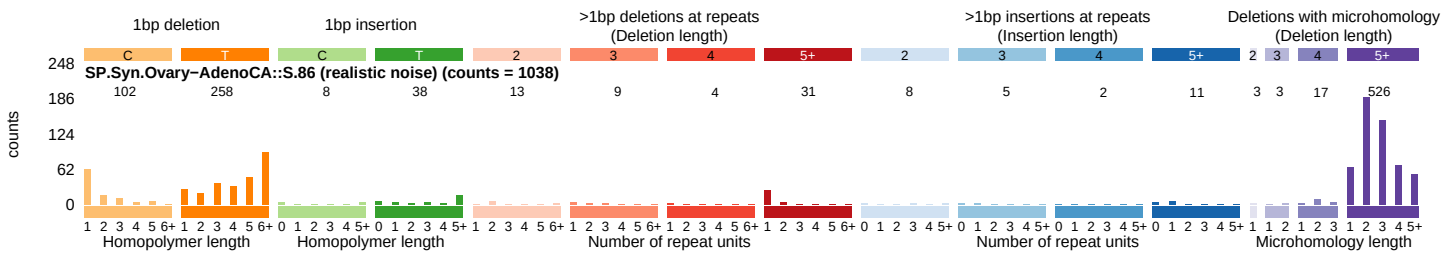
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.85 (realistic noise) (counts = 544)
19 99 4 99 6 2 7 32 6 1 0 5 3 4 11 246
counts
Homopolymer length
Number of repeat units
Microhomology length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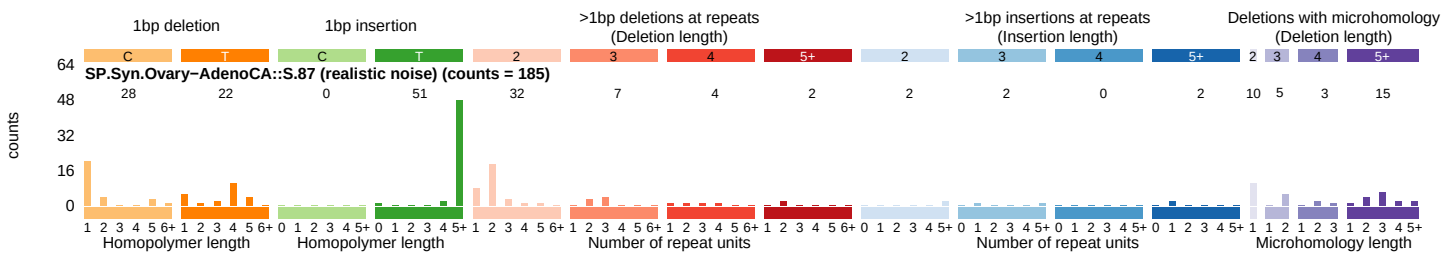
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.86 (realistic noise) (counts = 1038)
102 258 8 38 13 9 4 31 8 5 2 11 3 3 17 526
counts
Homopolymer length
Number of repeat units
Microhomology length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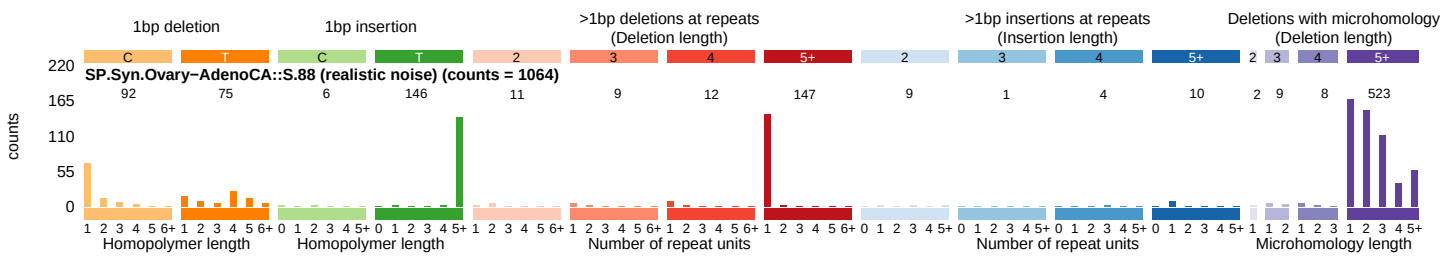
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.87 (realistic noise) (counts = 185)
28 22 0 51 32 7 4 2 2 2 0 2 10 5 3 15
counts
Homopolymer length
Number of repeat units
Microhomology length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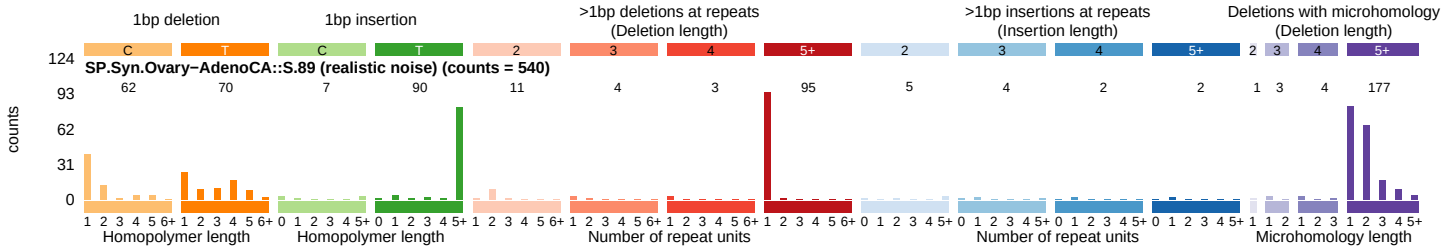
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.88 (realistic noise) (counts = 1064)
92 75 6 146 11 9 12 147 9 1 4 10 2 9 8 523
counts
Homopolymer length
Number of repeat units
Microhomology length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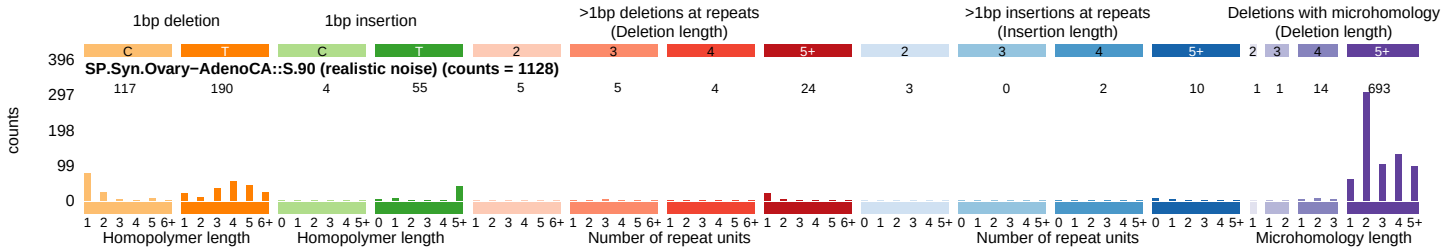
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.89 (realistic noise) (counts = 540)
62 70 7 90 11 4 3 95 5 4 2 2 1 3 4 177
counts
Homopolymer length
Number of repeat units
Microhomology length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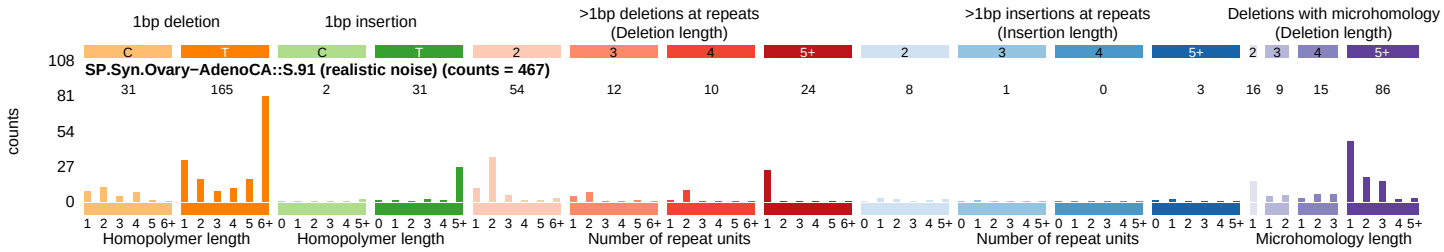
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.90 (realistic noise) (counts = 1128)
117 190 4 55 5 5 4 24 3 0 2 10 1 1 14 693
counts
Homopolymer length
Number of repeat units
Microhomology length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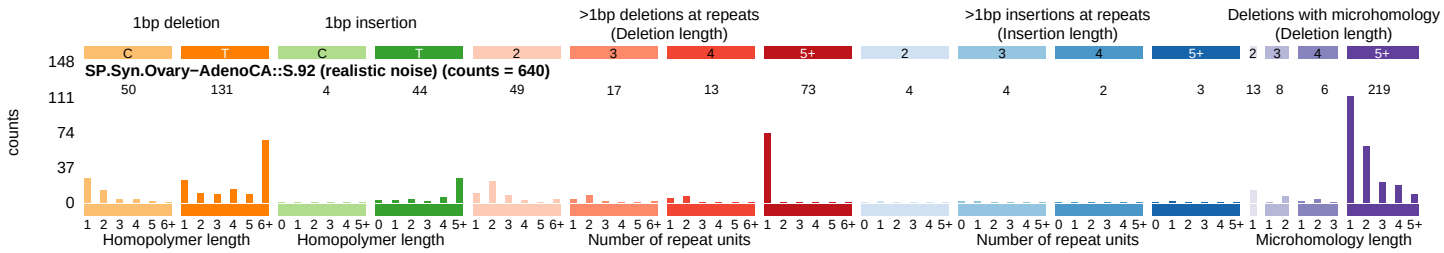
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.91 (realistic noise) (counts = 467)
31 165 2 31 54 12 10 24 8 1 0 3 16 9 15 86
counts
Homopolymer length
Number of repeat units
Microhomology length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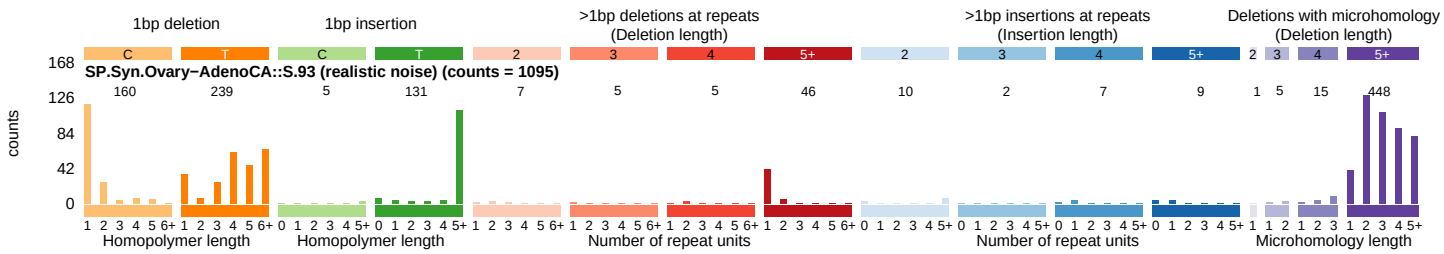
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.92 (realistic noise) (counts = 640)
50 131 4 44 49 17 13 73 4 4 2 3 13 8 6 219
counts
Homopolymer length
Number of repeat units
Microhomology length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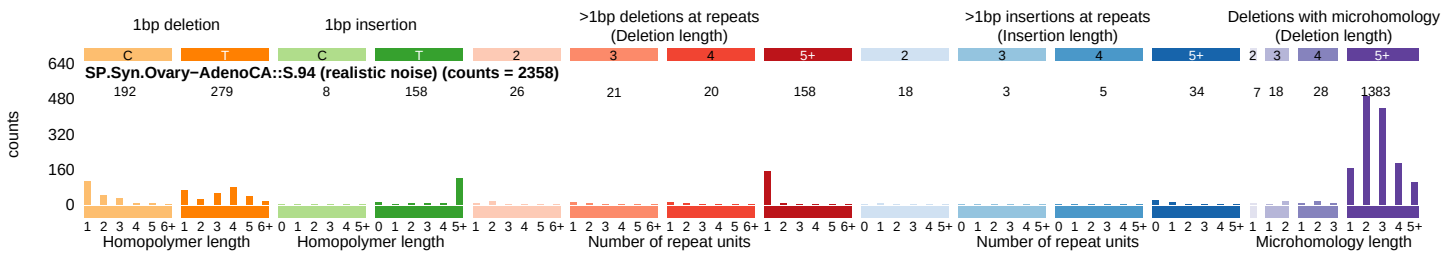
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.93 (realistic noise) (counts = 1095)
160 239 5 131 7 5 5 46 10 2 7 9 1 5 15 448
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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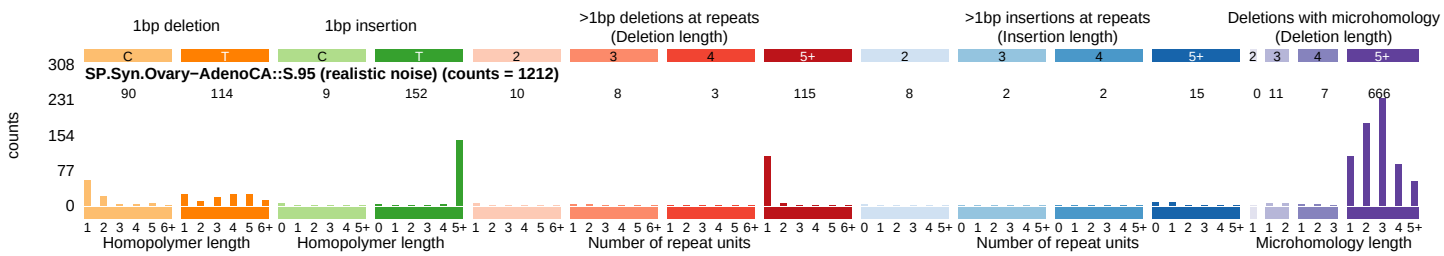
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.94 (realistic noise) (counts = 2358)
192 279 8 158 26 21 20 158 18 3 5 34 7 18 28 1383
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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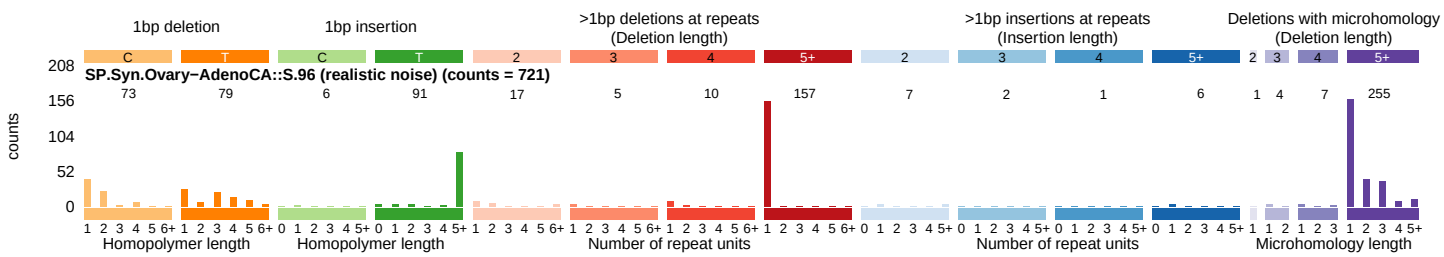
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.95 (realistic noise) (counts = 1212)
90 114 9 152 10 8 3 115 8 2 2 15 0 11 7 666
counts
Homopolymer length
Number of repeat units
Microhomology length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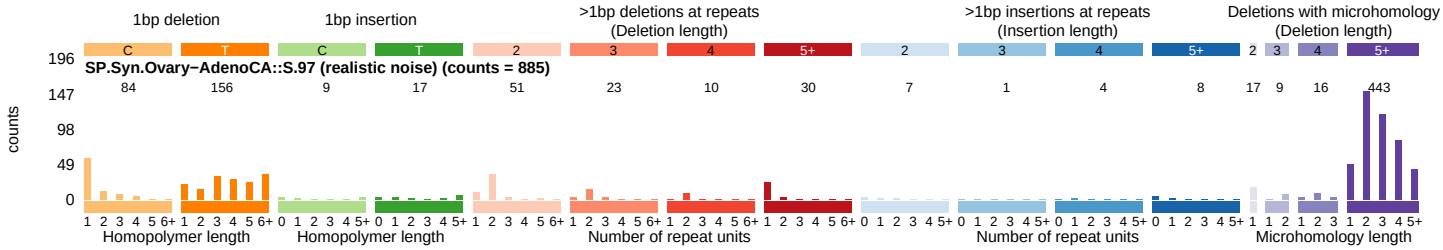
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.96 (realistic noise) (counts = 721)
73 79 6 91 17 5 10 157 7 2 1 6 1 4 7 255
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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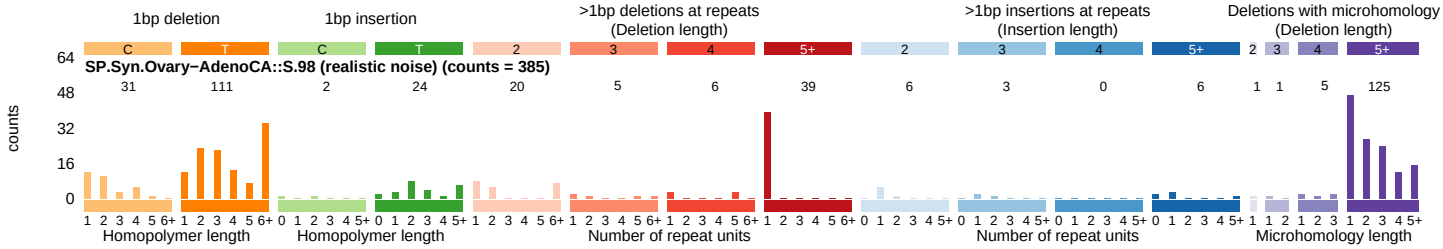
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.97 (realistic noise) (counts = 885)
84 156 9 17 51 23 10 30 7 1 4 8 17 9 16 443
counts
196 147 98 49 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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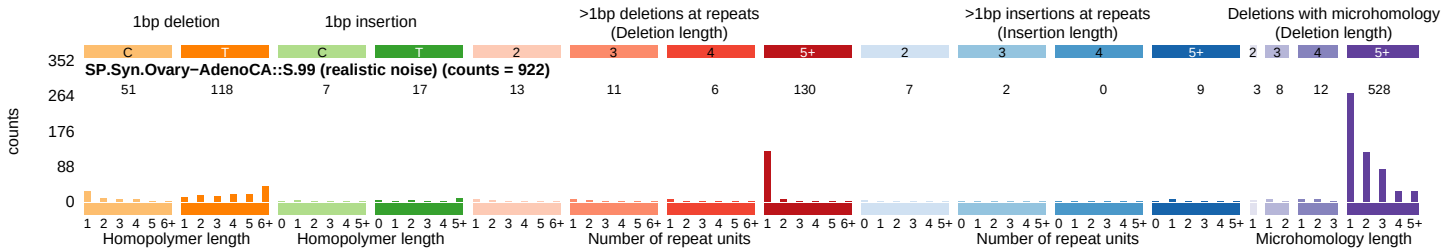
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.98 (realistic noise) (counts = 385)
31 111 2 24 20 5 6 39 6 3 0 6 1 1 5 125
counts
64 48 32 16 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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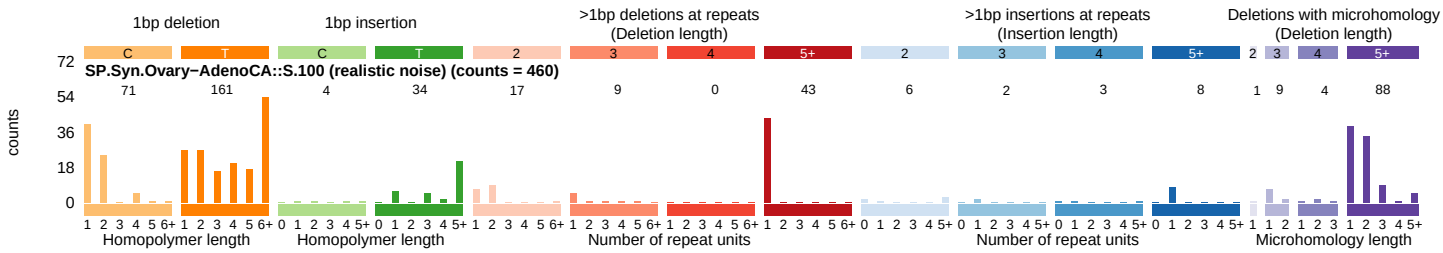
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.99 (realistic noise) (counts = 922)
51 118 7 17 13 11 6 130 7 2 0 9 3 8 12 528
counts
352 264 176 88 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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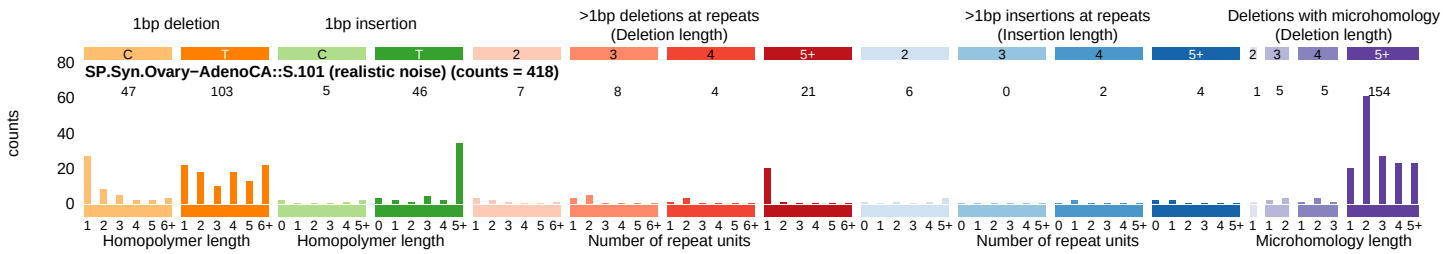
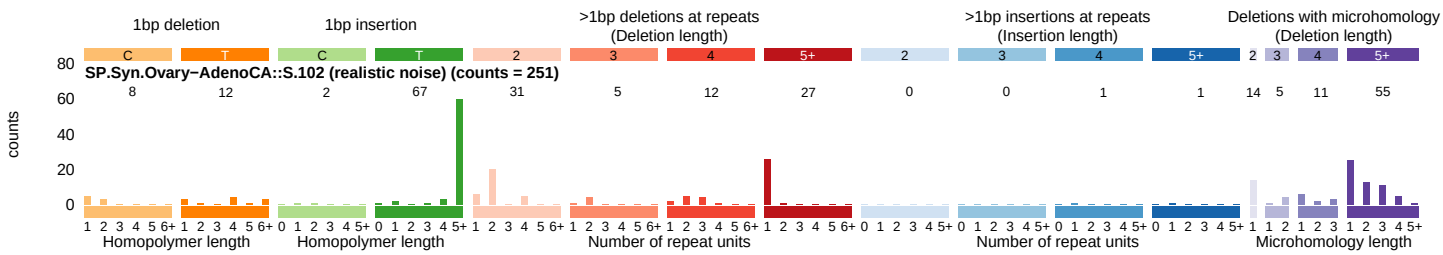
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.100 (realistic noise) (counts = 460)
71 161 4 34 17 9 0 43 6 2 3 8 1 9 4 88
counts
72 54 36 18 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.101 (realistic noise) (counts = 418)
47 103 5 46 7 8 4 21 6 0 2 4 1 5 5 154
counts
80 60 40 20 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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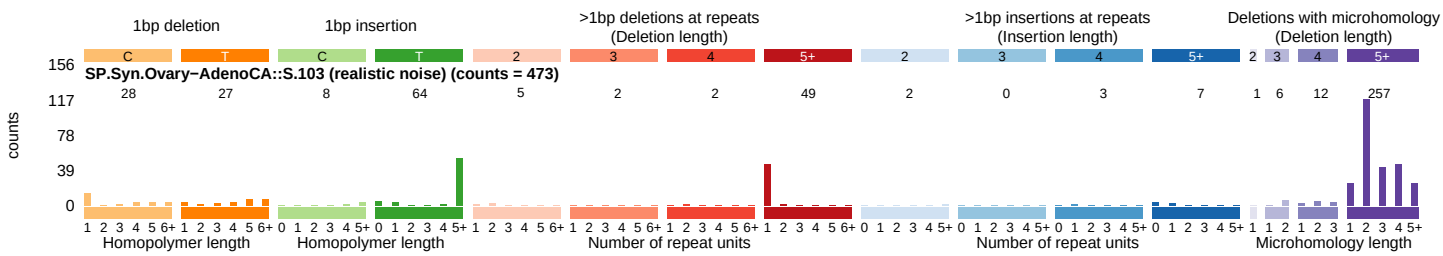
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.102 (realistic noise) (counts = 251)
8 12 2 67 31 5 12 27 0 0 1 1 14 5 11 55
counts
80 60 40 20 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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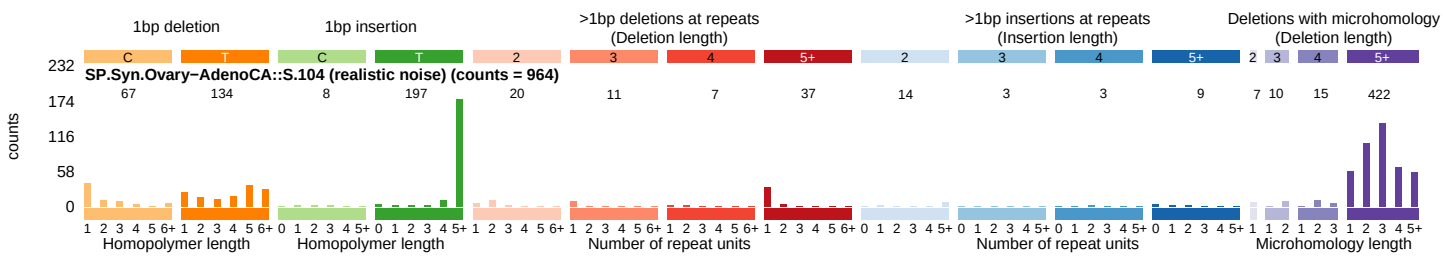
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.103 (realistic noise) (counts = 473)
28 27 8 64 5 2 2 49 2 0 3 7 1 6 12 257
counts
156 117 78 39 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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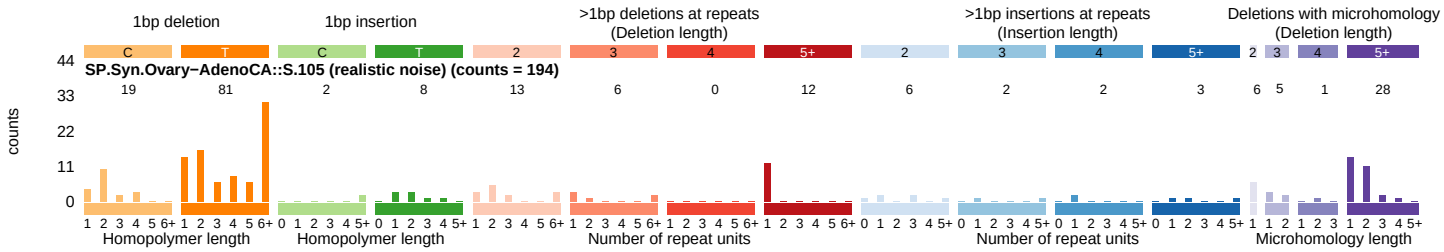
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Ovary−AdenoCA::S.104 (realistic noise) (counts = 964)
67 134 8 197 20 11 7 37 14 3 3 9 7 10 15 422
counts
232 174 116 58 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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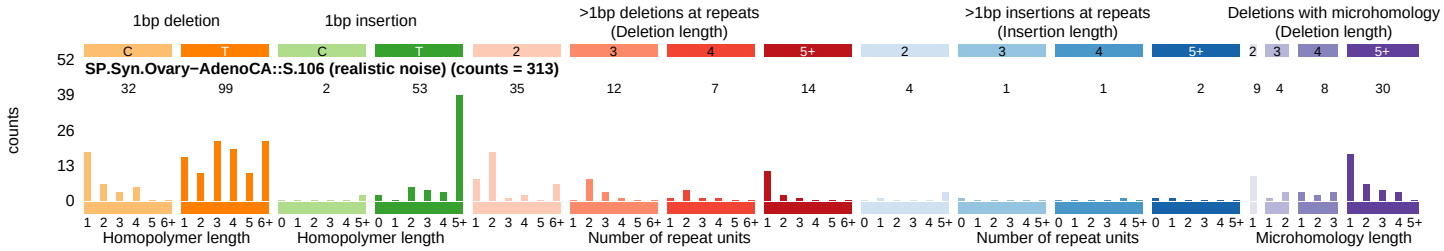
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.105 (realistic noise) (counts = 194)
counts
Homopolymer length
Number of repeat units
Microhomology length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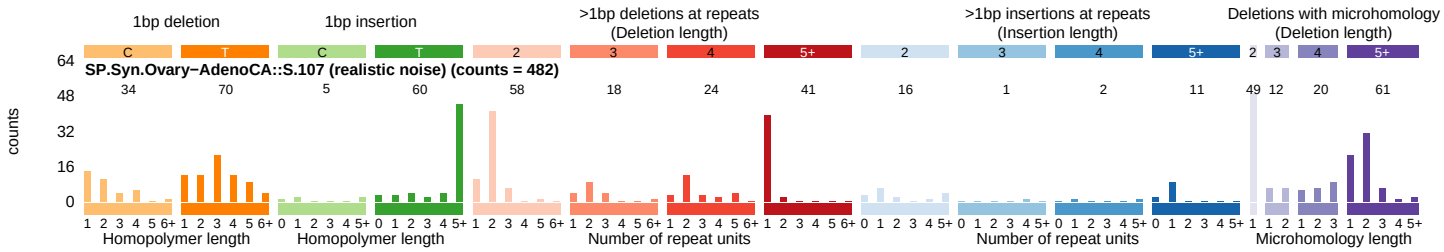
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.106 (realistic noise) (counts = 313)
counts
Homopolymer length
Number of repeat units
Microhomology length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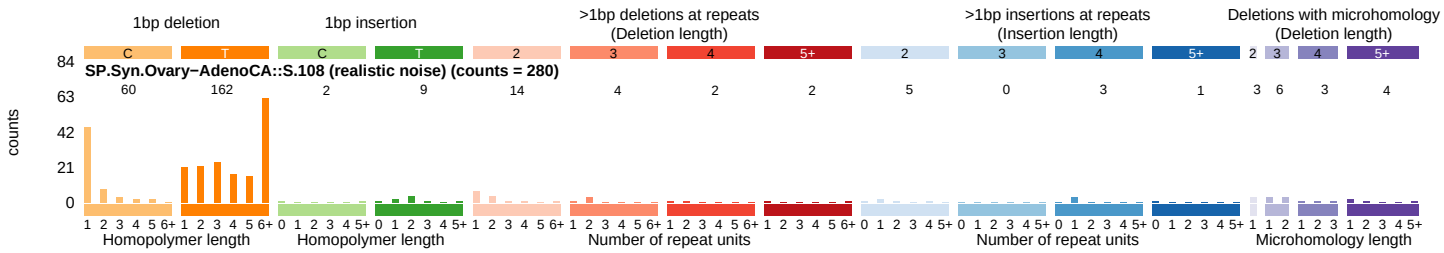
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.107 (realistic noise) (counts = 482)
counts
Homopolymer length
Number of repeat units
Microhomology length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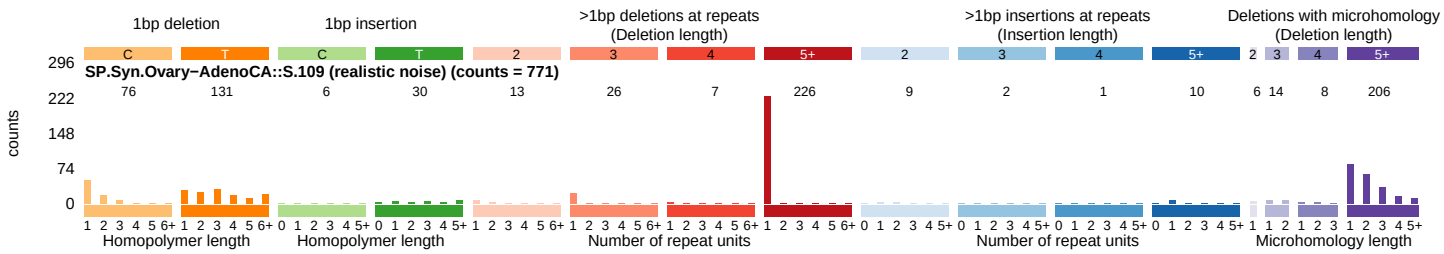
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.108 (realistic noise) (counts = 280)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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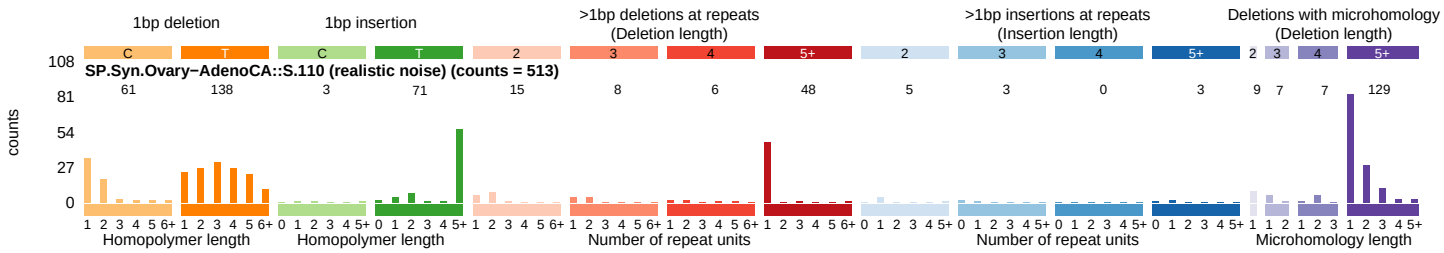
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.109 (realistic noise) (counts = 771)
counts
Homopolymer length
Number of repeat units
Microhomology length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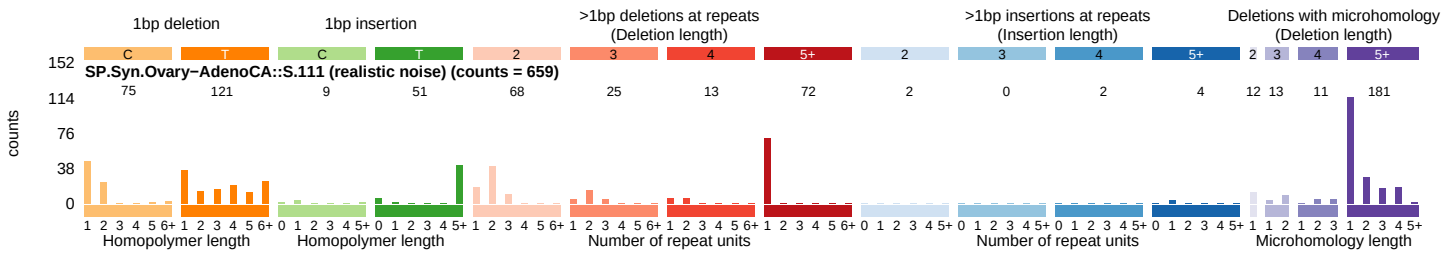
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.110 (realistic noise) (counts = 513)
counts
Homopolymer length
Number of repeat units
Microhomology length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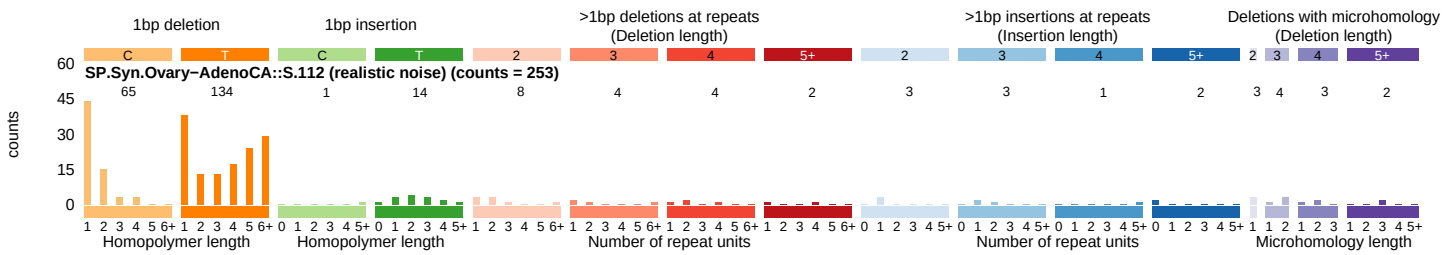
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.111 (realistic noise) (counts = 659)
counts
Homopolymer length
Number of repeat units
Microhomology length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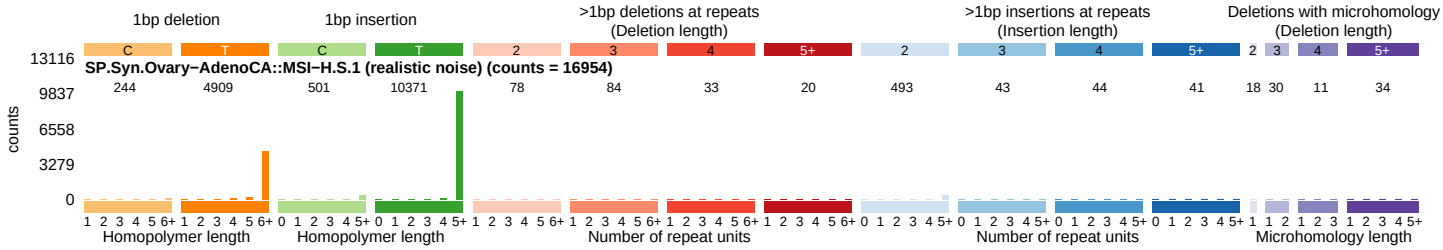
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::S.112 (realistic noise) (counts = 253)
counts
Homopolymer length
Number of repeat units
Microhomology length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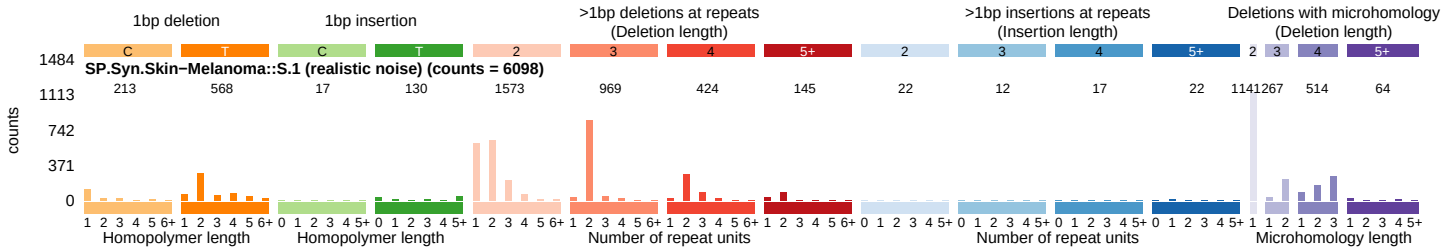
Deletions with microhomology (Deletion length)
SP.Syn.Ovary−AdenoCA::MSI−H.S.1 (realistic noise) (counts = 16954)
counts
Homopolymer length
Number of repeat units
Microhomology length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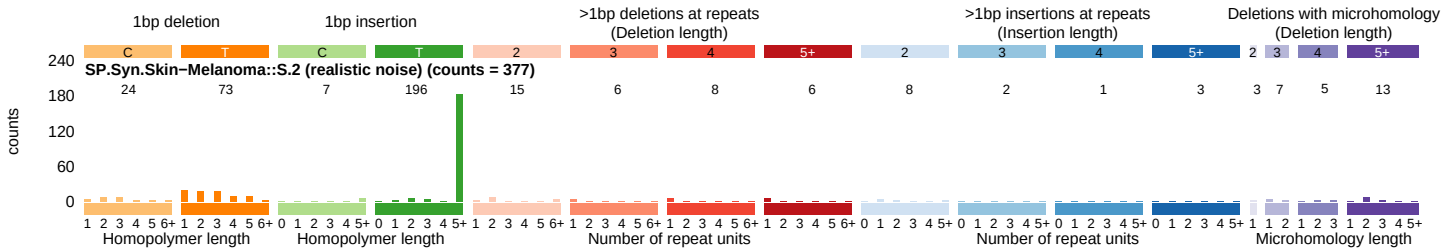
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.1 (realistic noise) (counts = 6098)
counts
Homopolymer length
Number of repeat units
Microhomology length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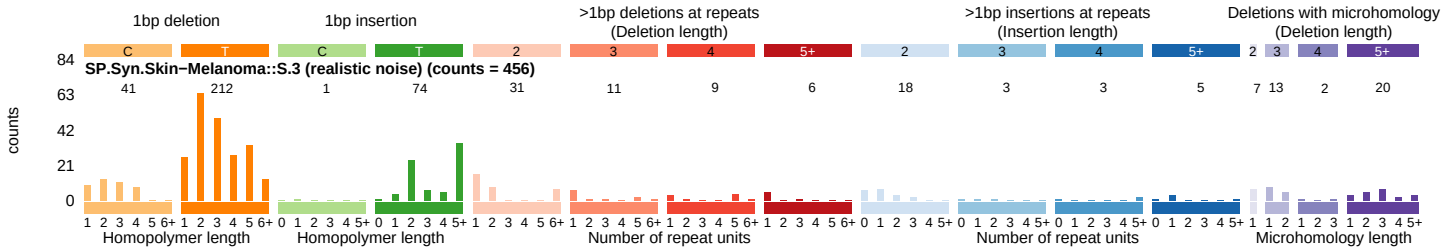
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.2 (realistic noise) (counts = 377)
counts
Homopolymer length
Number of repeat units
Microhomology length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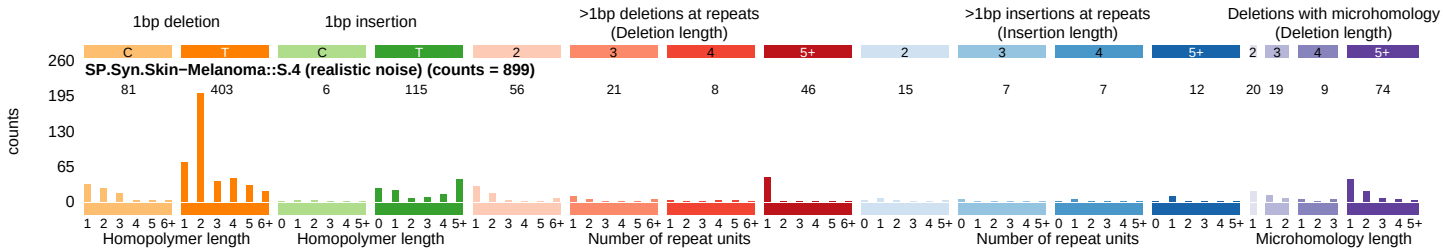
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.3 (realistic noise) (counts = 456)
counts
Homopolymer length
Number of repeat units
Microhomology length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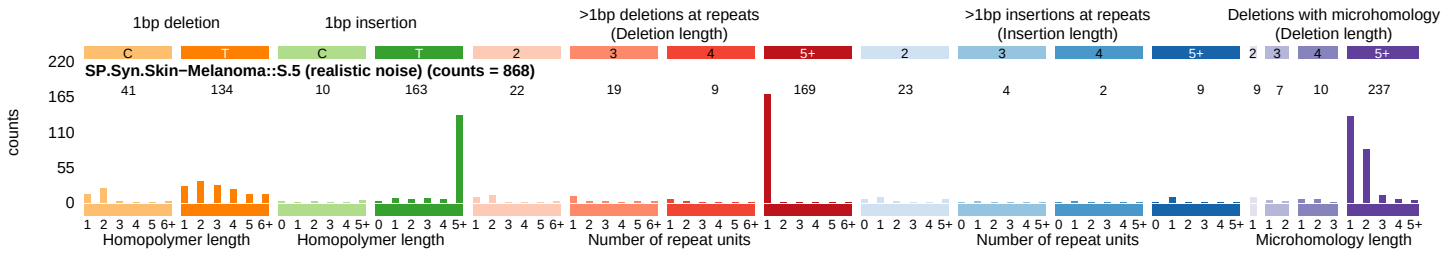
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.4 (realistic noise) (counts = 899)
counts
Homopolymer length
Number of repeat units
Microhomology length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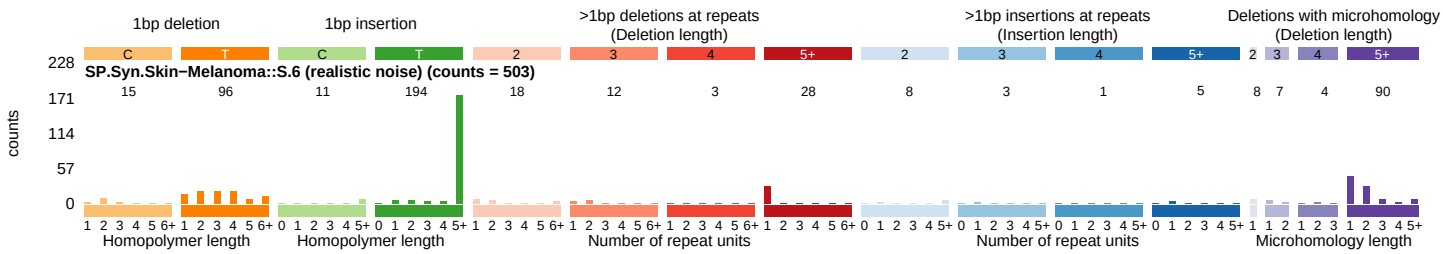
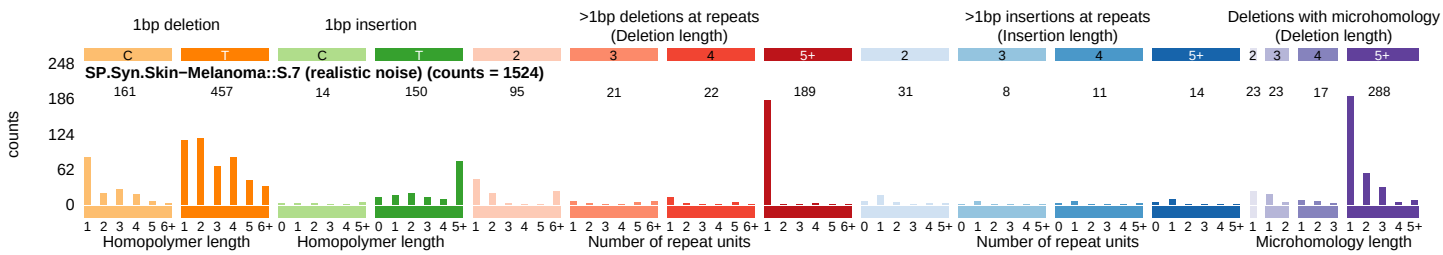
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.5 (realistic noise) (counts = 868)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.6 (realistic noise) (counts = 503)
counts
Homopolymer length
Number of repeat units
Microhomology length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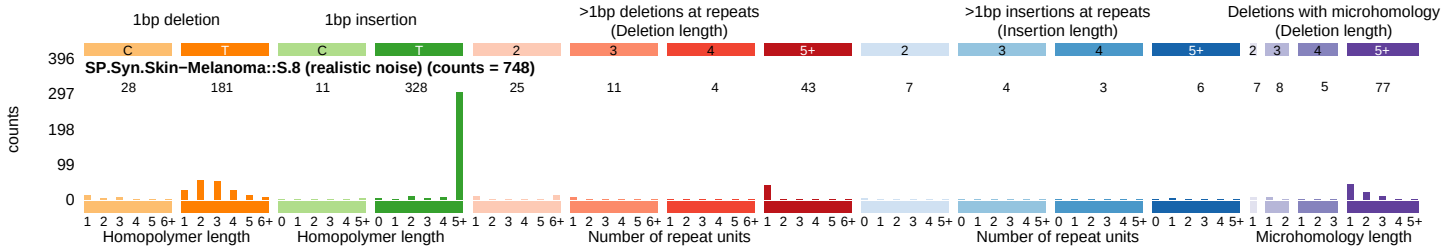
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.7 (realistic noise) (counts = 1524)
counts
Homopolymer length
Number of repeat units
Microhomology length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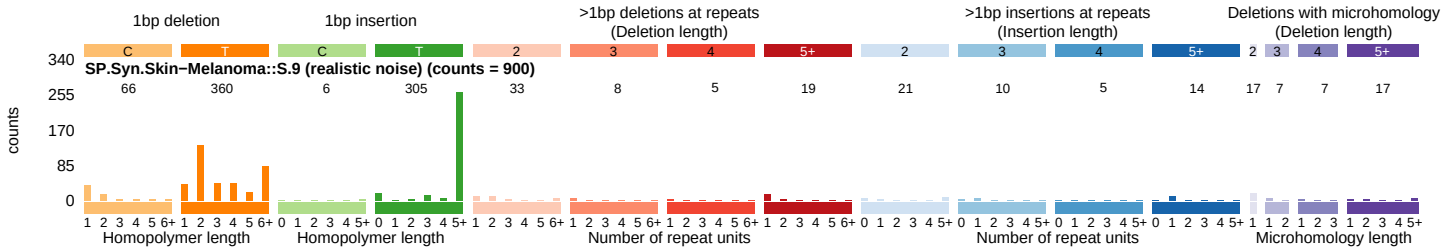
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.8 (realistic noise) (counts = 748)
28 181 11 328 25 11 4 43 7 4 3 6 7 8 5 77
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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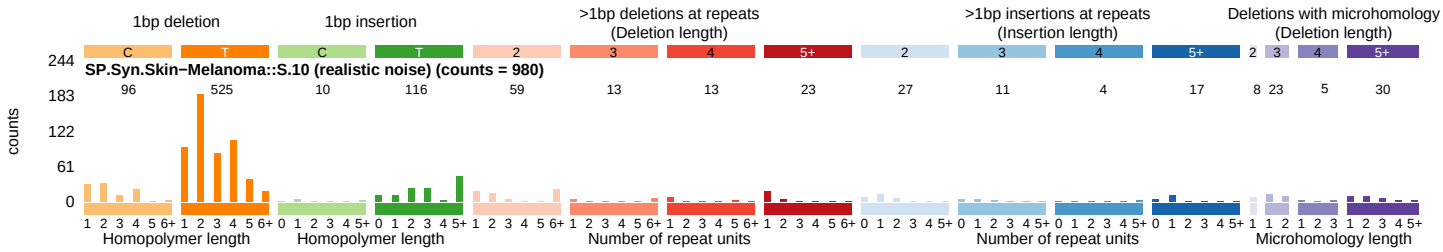
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.9 (realistic noise) (counts = 900)
66 360 6 305 33 8 5 19 21 10 5 14 17 7 7 17
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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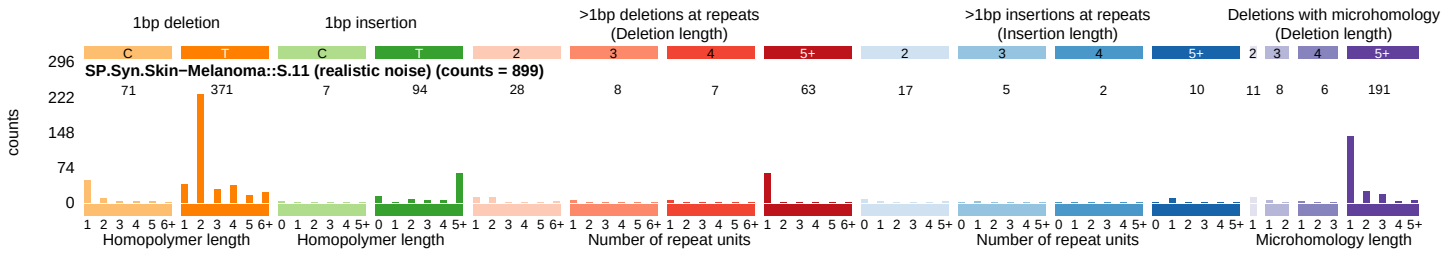
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.10 (realistic noise) (counts = 980)
96 525 10 116 59 13 13 23 27 11 4 17 8 23 5 30
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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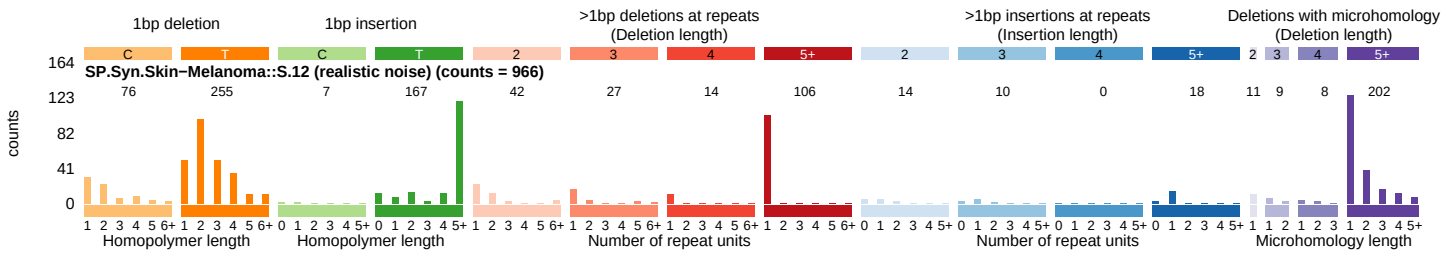
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.11 (realistic noise) (counts = 899)
71 371 7 94 28 8 7 63 17 5 2 10 11 8 6 191
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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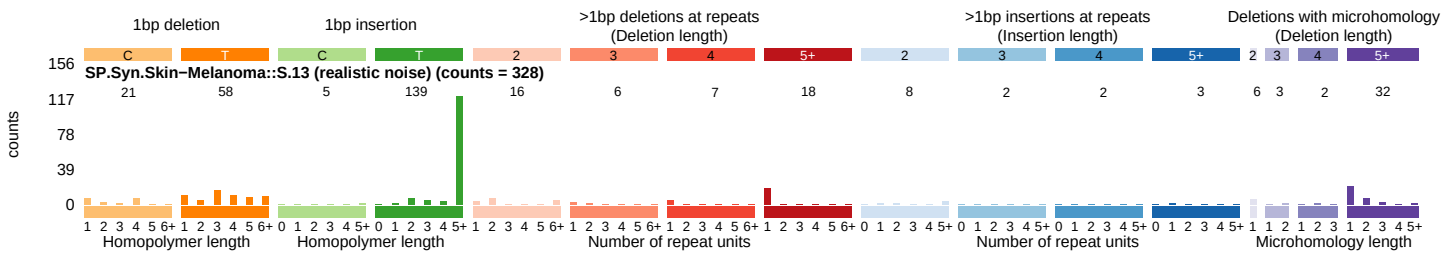
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.12 (realistic noise) (counts = 966)
76 255 7 167 42 27 14 106 14 10 0 18 11 9 8 202
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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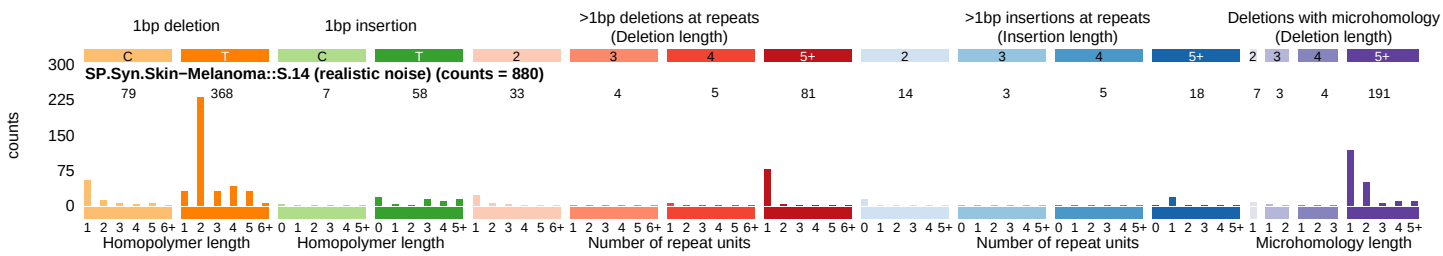
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.13 (realistic noise) (counts = 328)
21 58 5 139 16 6 7 18 8 2 2 3 6 3 2 32
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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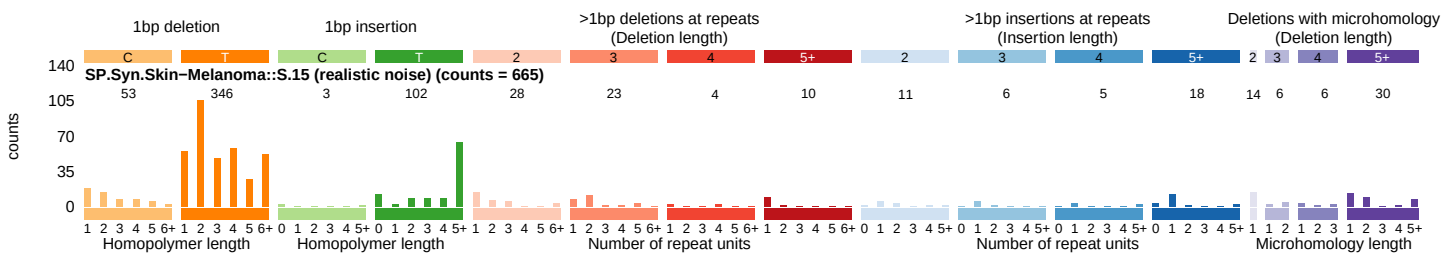
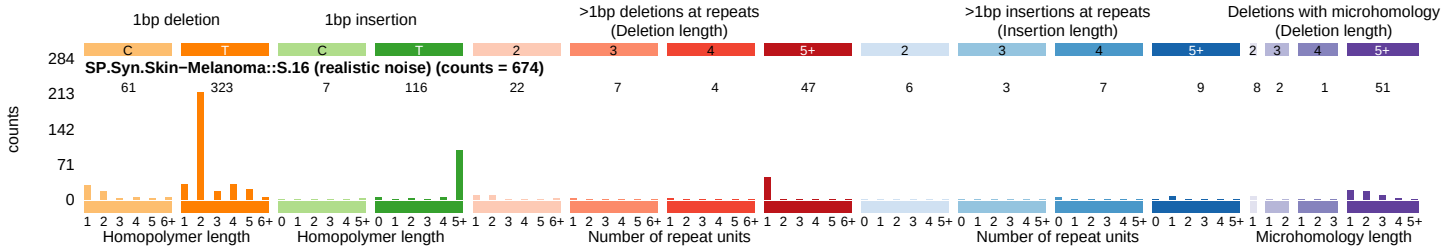
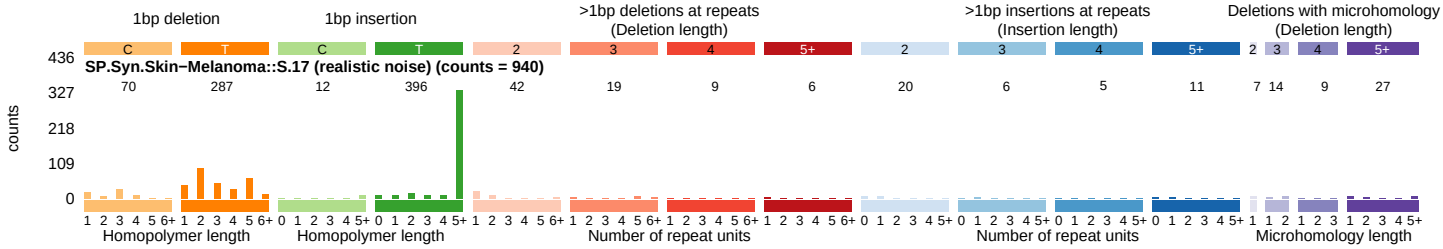
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.14 (realistic noise) (counts = 880)
79 368 7 58 33 4 5 81 14 3 5 18 7 3 4 191
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.15 (realistic noise) (counts = 665)
53 346 3 102 28 23 4 10 11 6 5 18 14 6 6 30
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.16 (realistic noise) (counts = 674)
61 323 7 116 22 7 4 47 6 3 7 9 8 2 1 51
counts
284 213 142 71 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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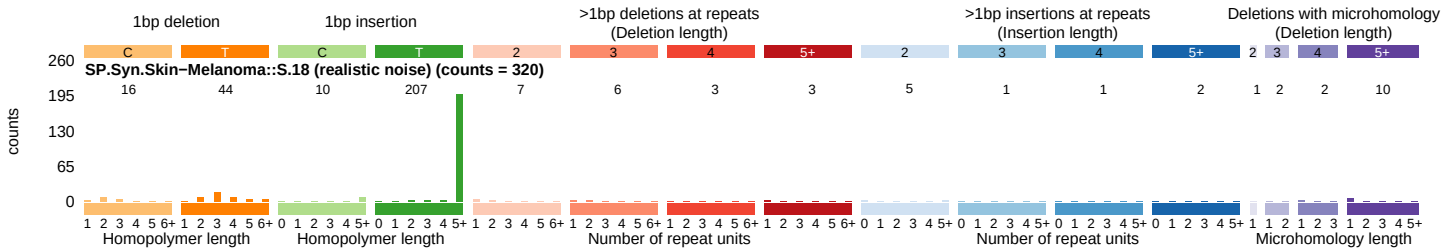
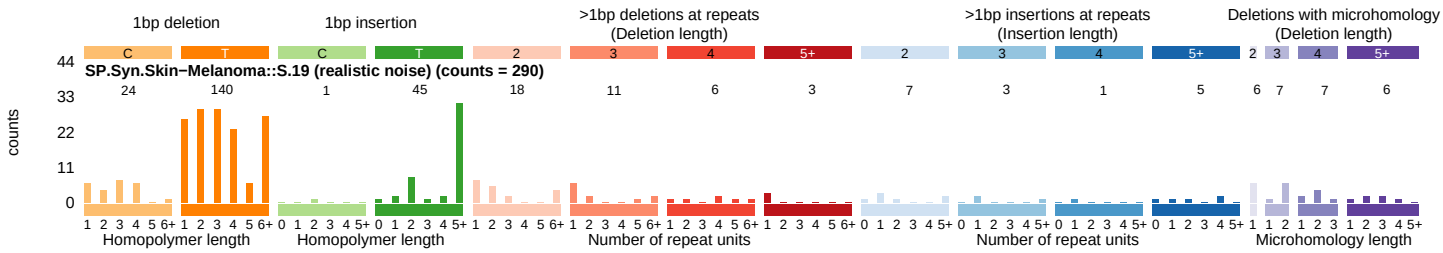
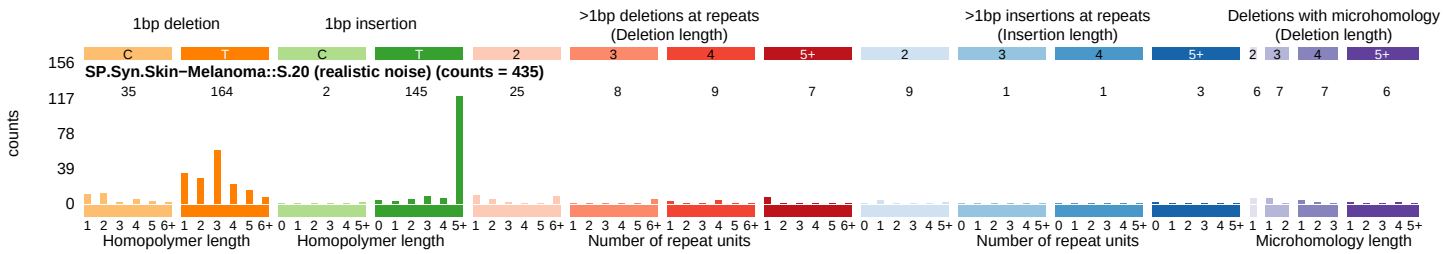
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.17 (realistic noise) (counts = 940)
70 287 12 396 42 19 9 6 20 6 5 11 7 14 9 27
counts
436 327 218 109 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.18 (realistic noise) (counts = 320)
16 44 10 207 7 6 3 3 5 1 1 2 1 2 2 10
counts
260 195 130 65 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.19 (realistic noise) (counts = 290)
24 140 1 45 18 11 6 3 7 3 1 5 6 7 7 6
counts
44 33 22 11 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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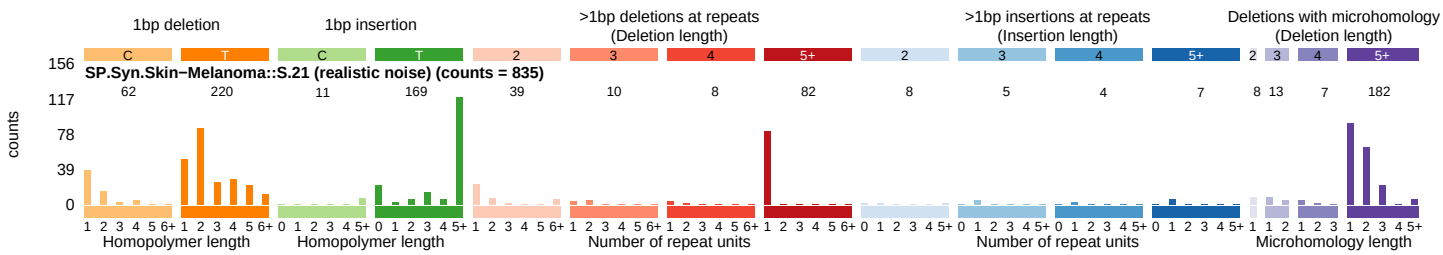
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.20 (realistic noise) (counts = 435)
35 164 2 145 25 8 9 7 9 1 1 3 6 7 7 6
counts
156 117 78 39 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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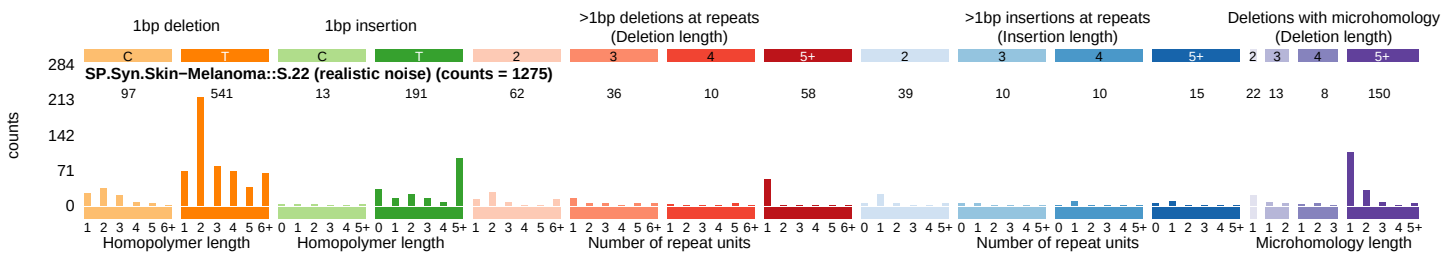
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.21 (realistic noise) (counts = 835)
62 220 11 169 39 10 8 82 8 5 4 7 8 13 7 182
counts
156 117 78 39 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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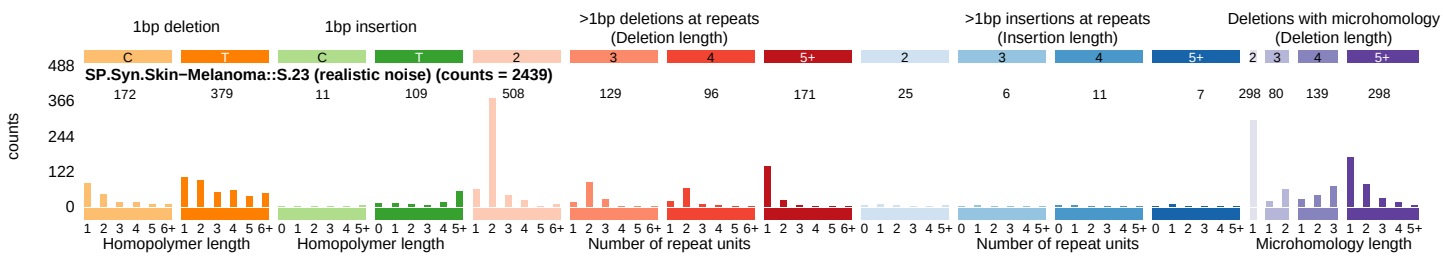
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.22 (realistic noise) (counts = 1275)
97 541 13 191 62 36 10 58 39 10 10 15 22 13 8 150
counts
284 213 142 71 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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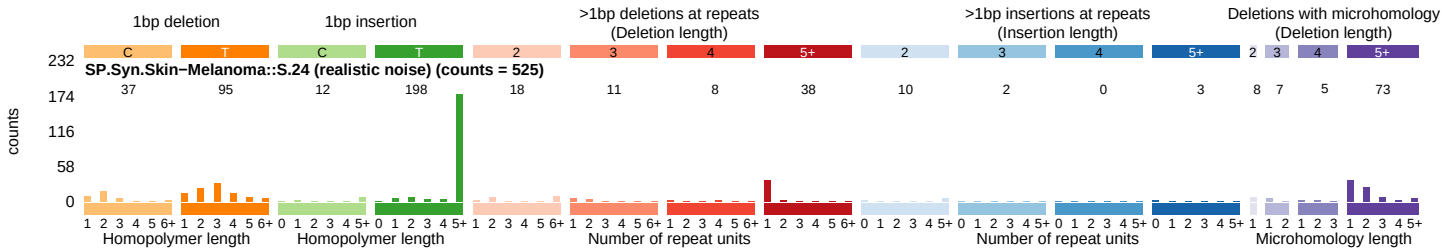
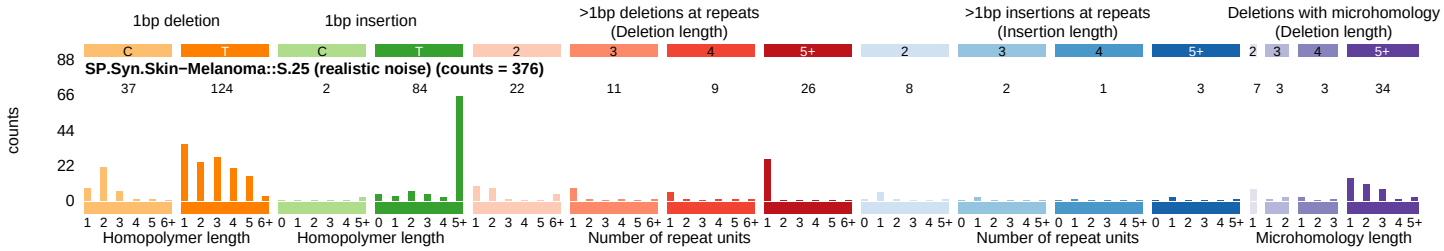
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.23 (realistic noise) (counts = 2439)
172 379 11 109 508 129 96 171 25 6 11 7 298 80 139 298
counts
488 366 244 122 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.24 (realistic noise) (counts = 525)
counts
Homopolymer length
Number of repeat units
Microhomology length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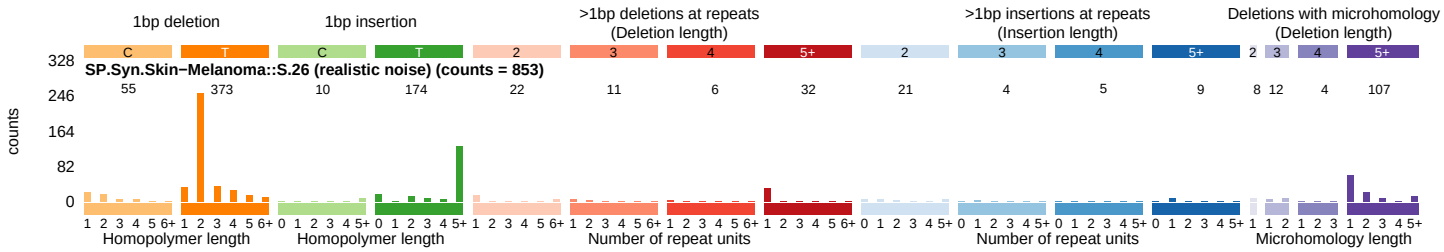
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.25 (realistic noise) (counts = 376)
counts
Homopolymer length
Number of repeat units
Microhomology length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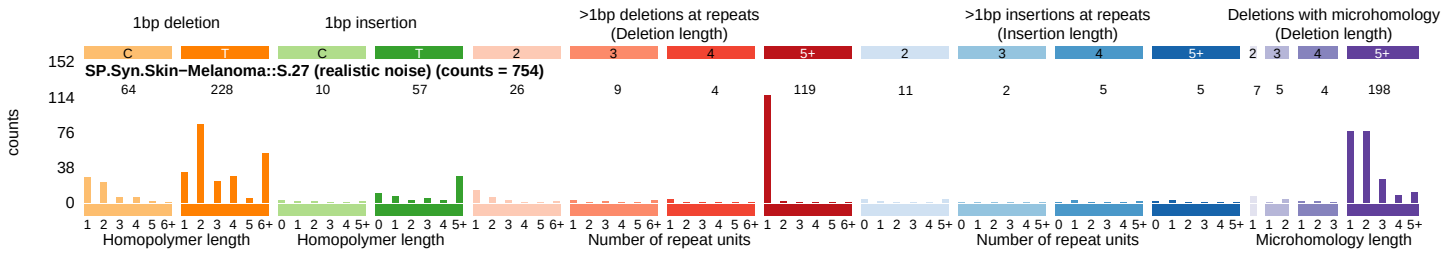
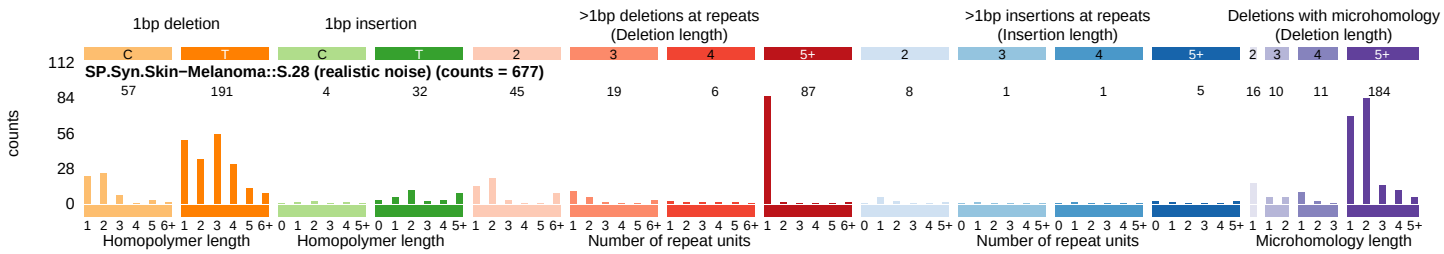
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.26 (realistic noise) (counts = 853)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.27 (realistic noise) (counts = 754)
counts
Homopolymer length
Number of repeat units
Microhomology length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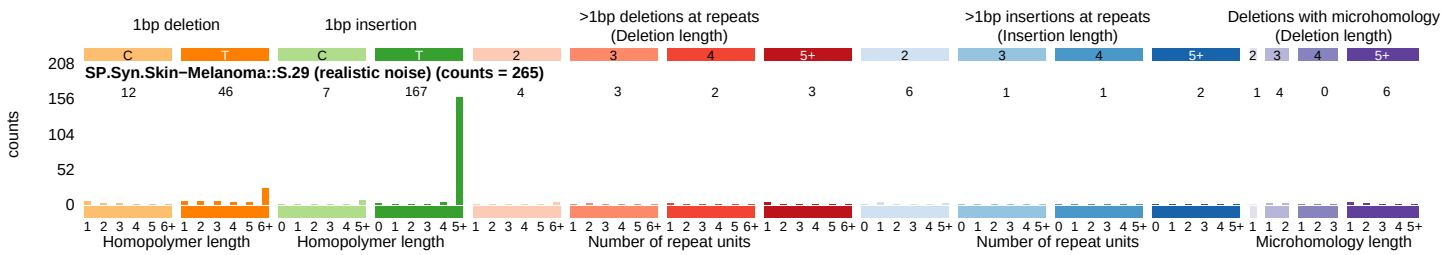
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.28 (realistic noise) (counts = 677)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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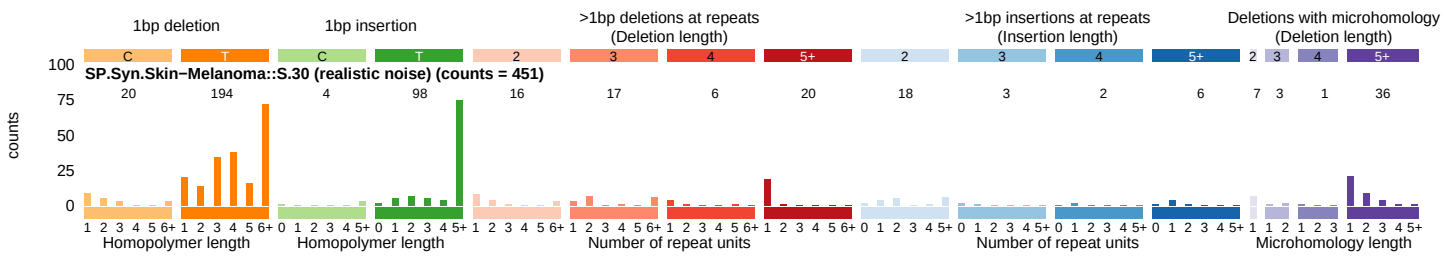
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.29 (realistic noise) (counts = 265)
counts
Homopolymer length
Number of repeat units
Microhomology length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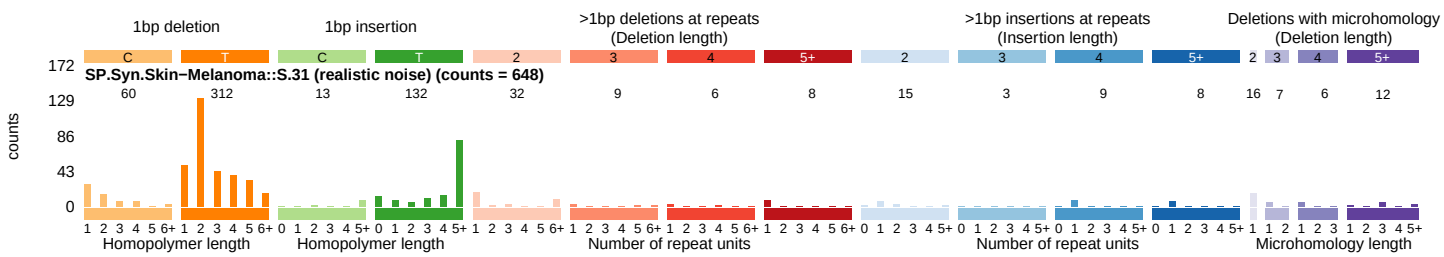
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.30 (realistic noise) (counts = 451)
counts
Homopolymer length
Number of repeat units
Microhomology length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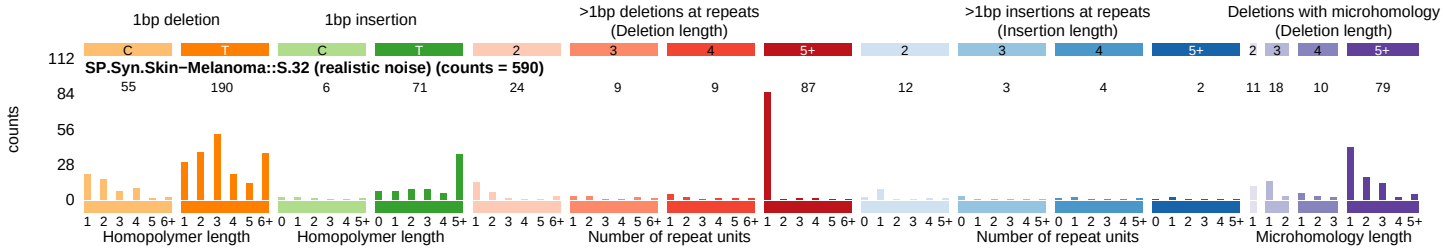
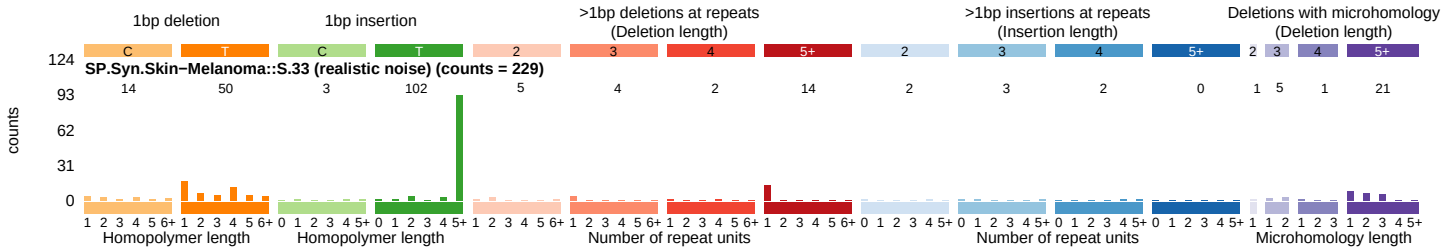
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.31 (realistic noise) (counts = 648)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.32 (realistic noise) (counts = 590)
counts
Homopolymer length
Number of repeat units
Microhomology length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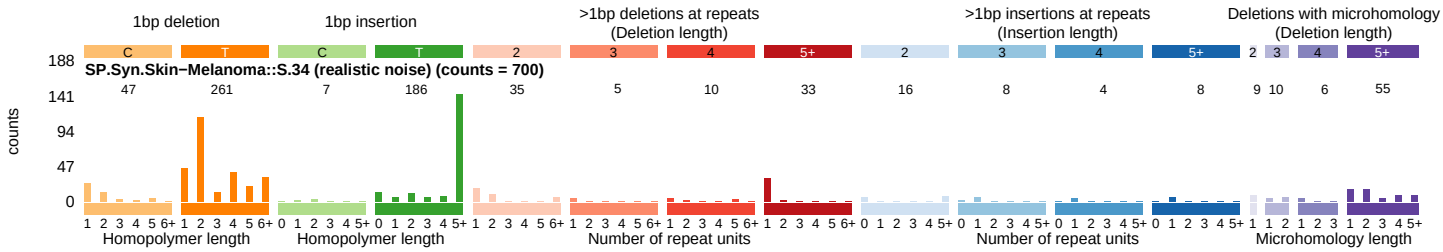
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.33 (realistic noise) (counts = 229)
counts
Homopolymer length
Number of repeat units
Microhomology length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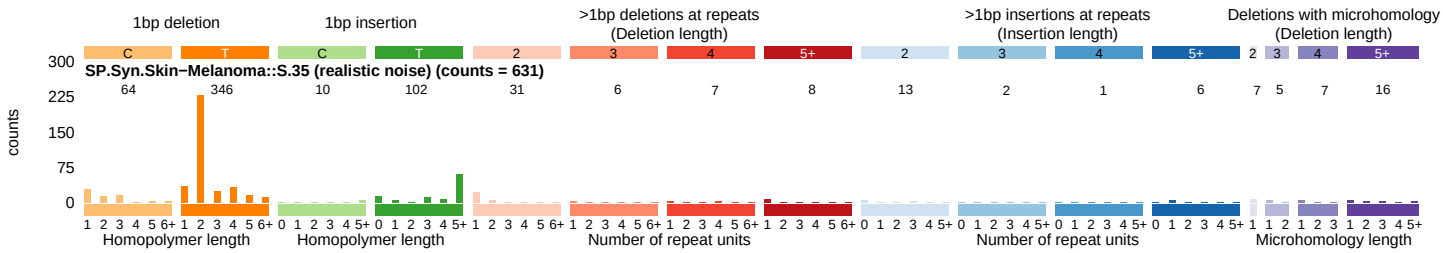
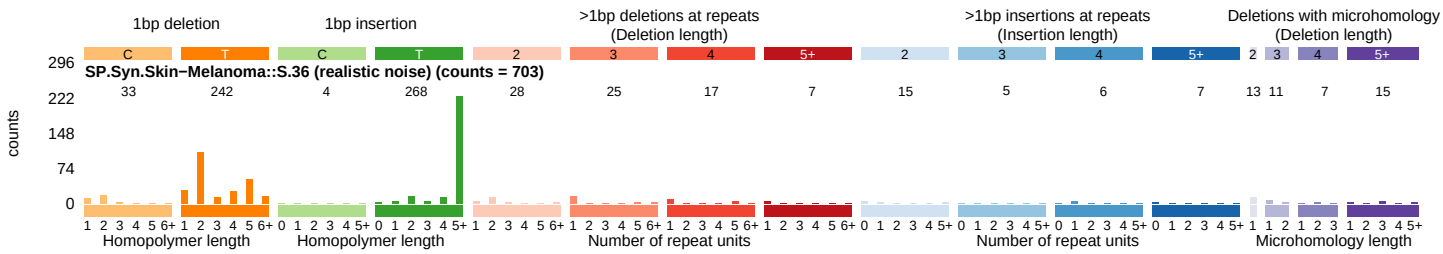
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.34 (realistic noise) (counts = 700)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.35 (realistic noise) (counts = 631)
counts
Homopolymer length
Number of repeat units
Microhomology length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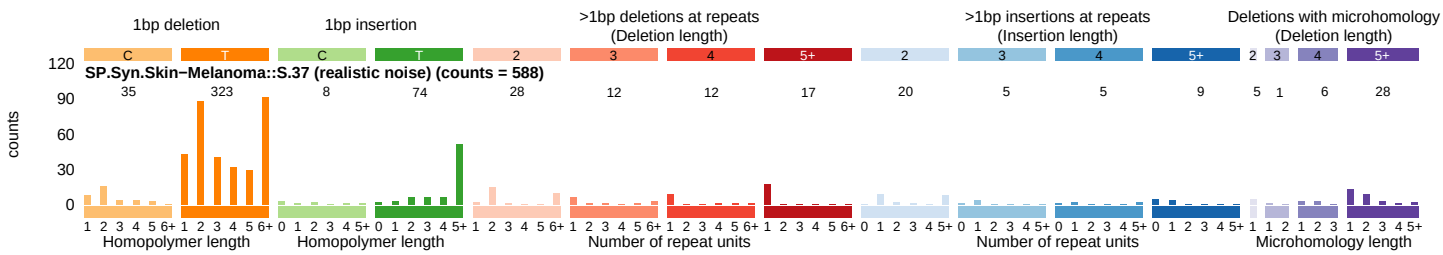
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.36 (realistic noise) (counts = 703)
counts
Homopolymer length
Number of repeat units
Microhomology length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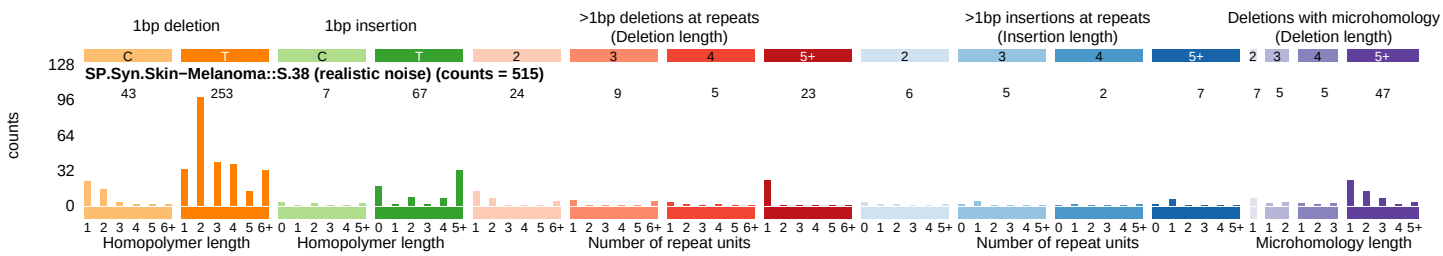
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.37 (realistic noise) (counts = 588)
counts
Homopolymer length
Number of repeat units
Microhomology length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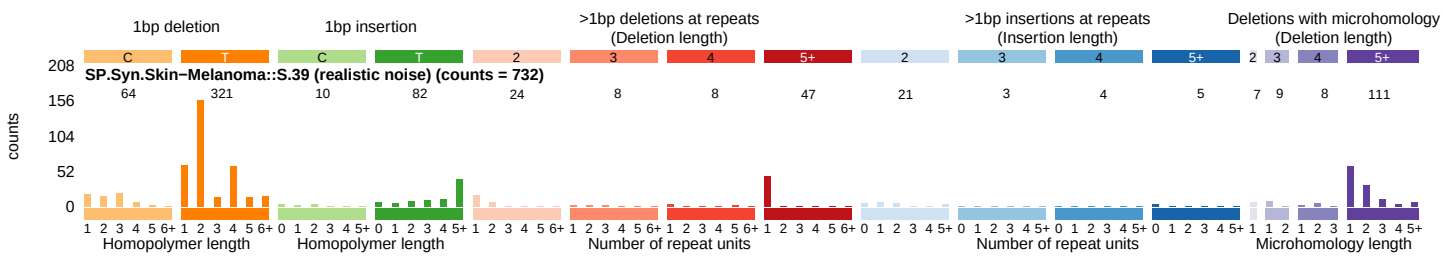
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.38 (realistic noise) (counts = 515)
counts
Homopolymer length
Number of repeat units
Microhomology length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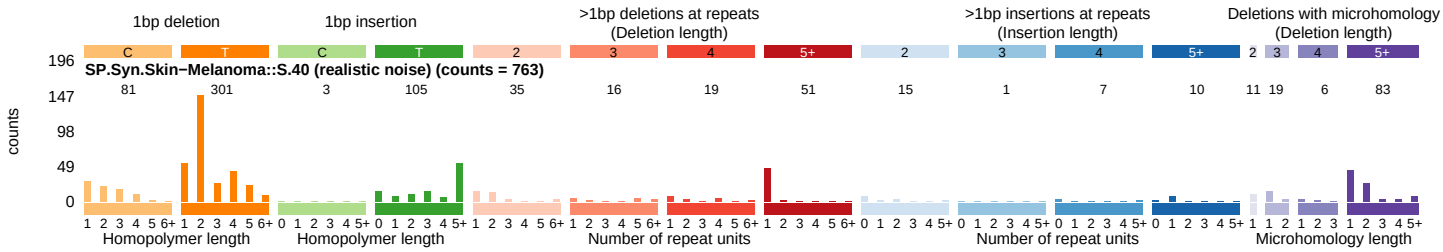
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.39 (realistic noise) (counts = 732)
counts
Homopolymer length
Number of repeat units
Microhomology length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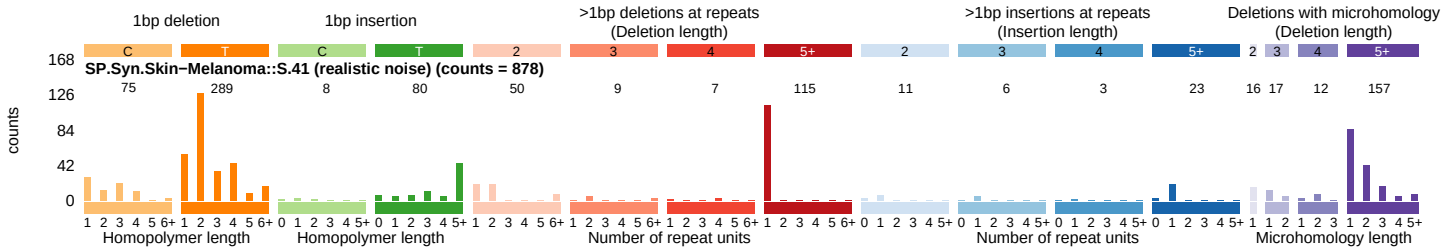
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.40 (realistic noise) (counts = 763)
counts
Homopolymer length
Number of repeat units
Microhomology length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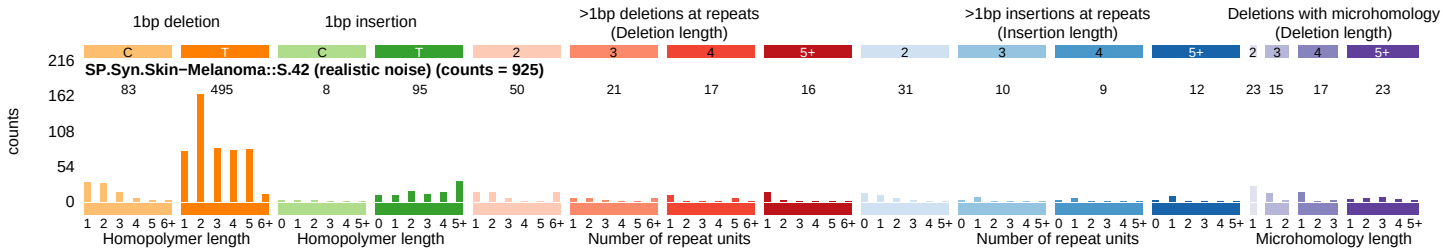
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.41 (realistic noise) (counts = 878)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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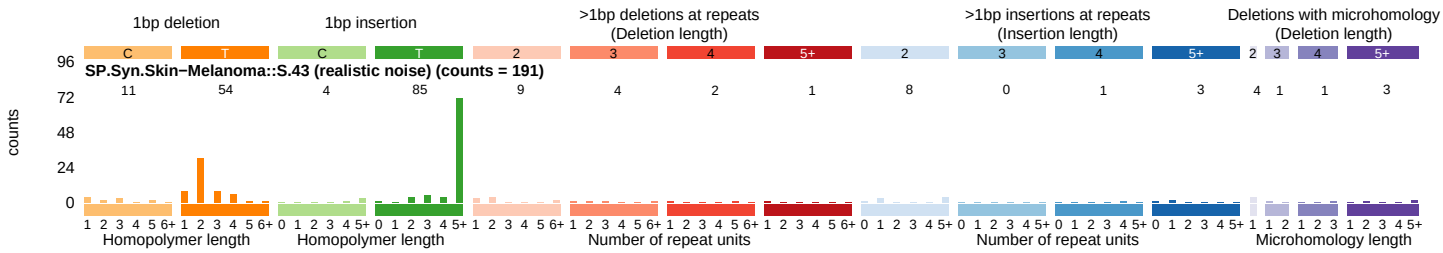
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.42 (realistic noise) (counts = 925)
counts
Homopolymer length
Number of repeat units
Microhomology length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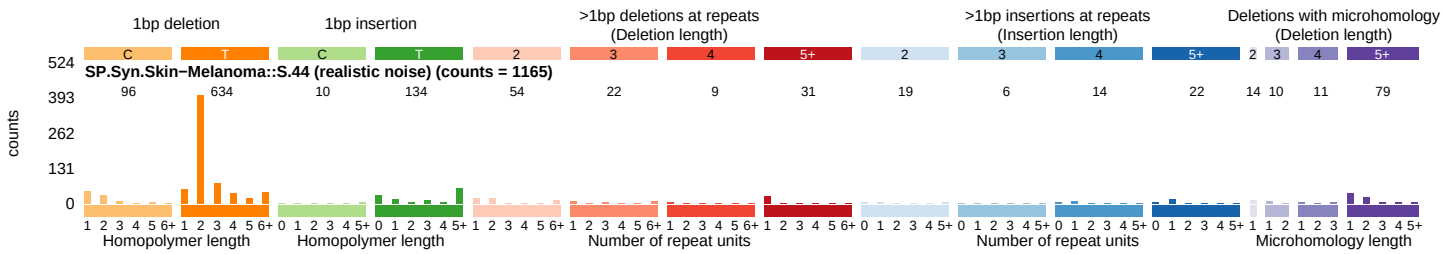
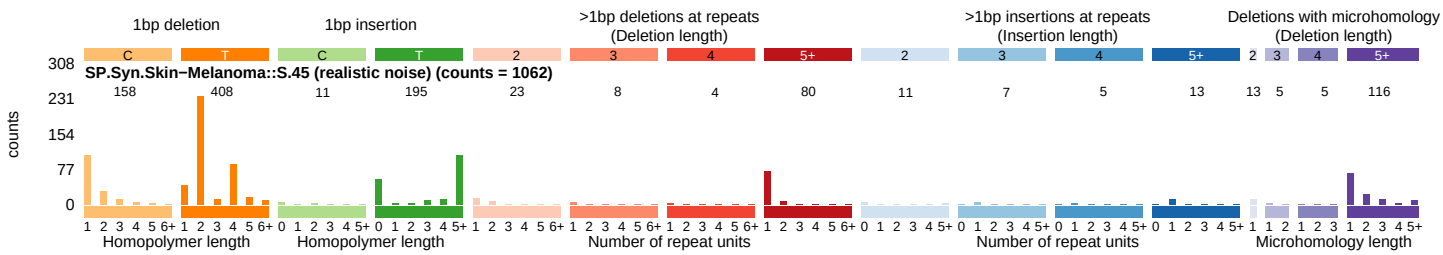
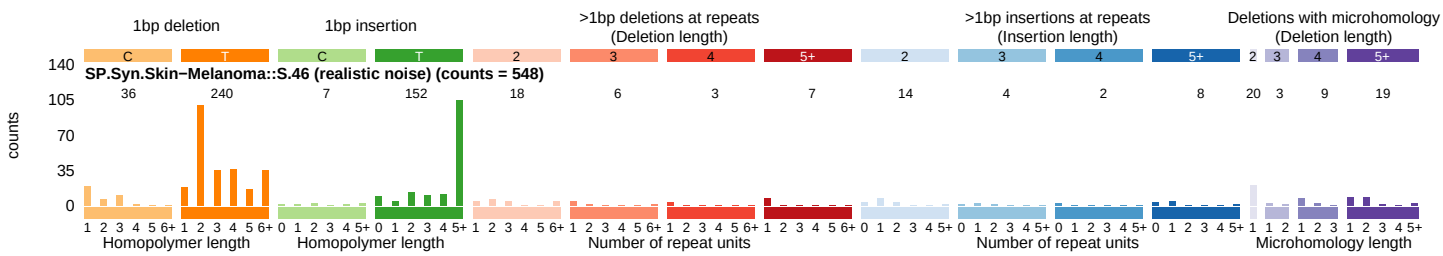
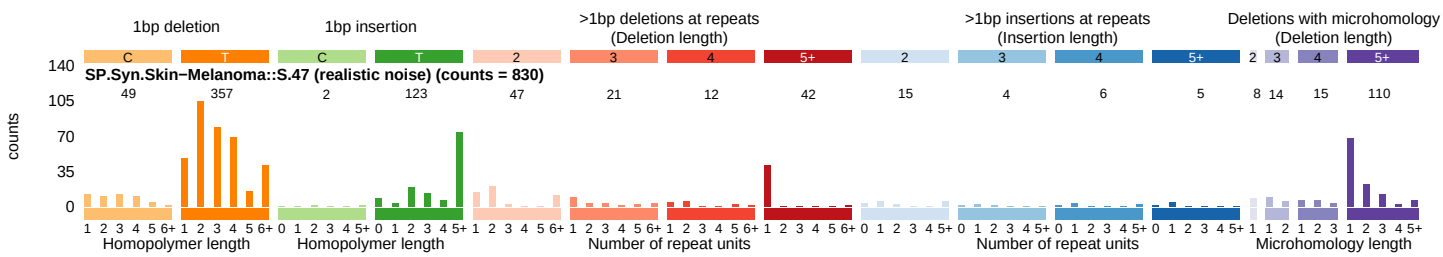
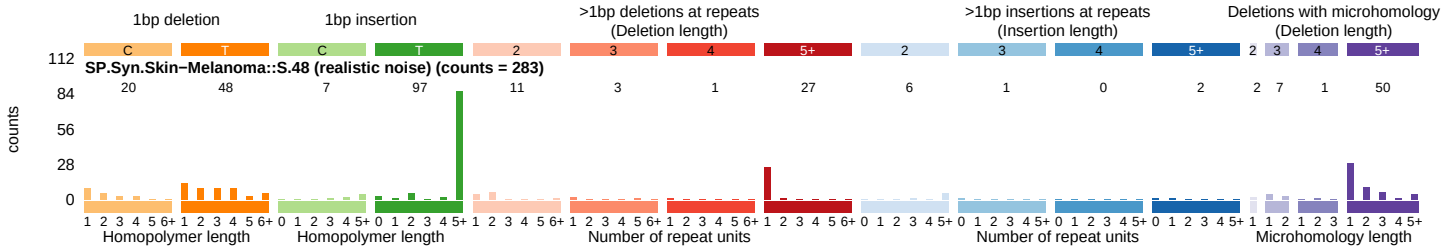
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.43 (realistic noise) (counts = 191)
counts
Homopolymer length
Number of repeat units
Microhomology length

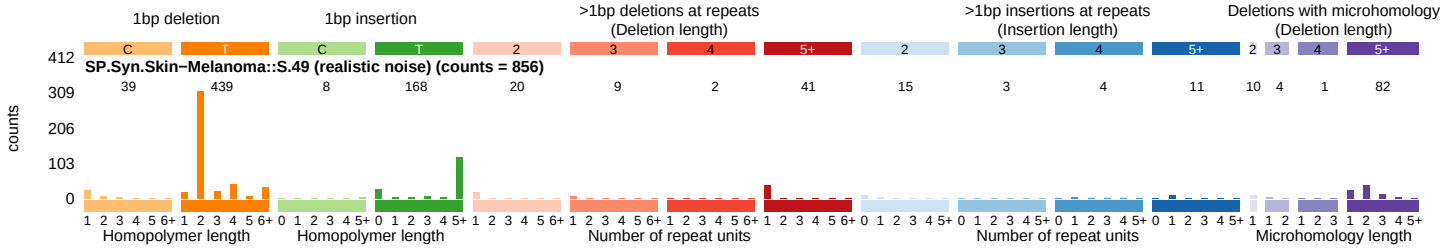

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.44 (realistic noise) (counts = 1165)
counts
Homopolymer length
Number of repeat units
Microhomology length

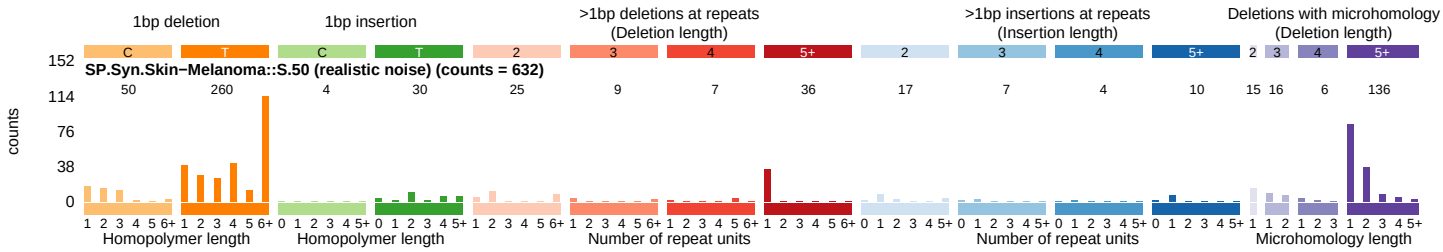

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.45 (realistic noise) (counts = 1062)
counts
Homopolymer length
Number of repeat units
Microhomology length

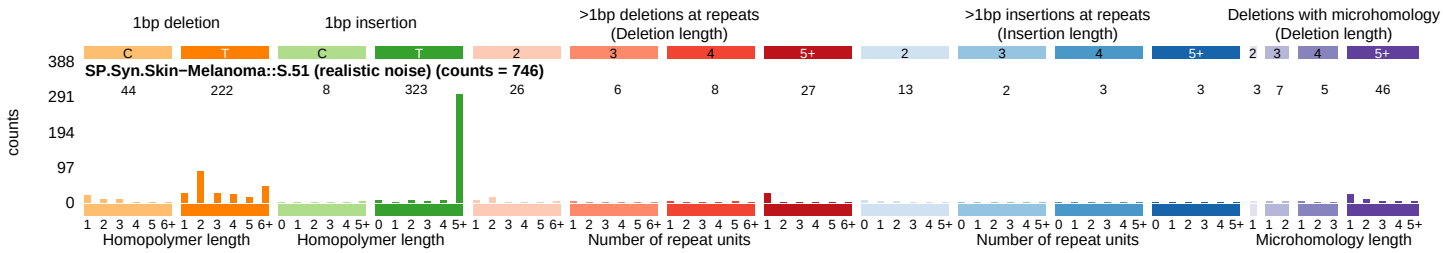

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.46 (realistic noise) (counts = 548)
counts
Homopolymer length
Number of repeat units
Microhomology length

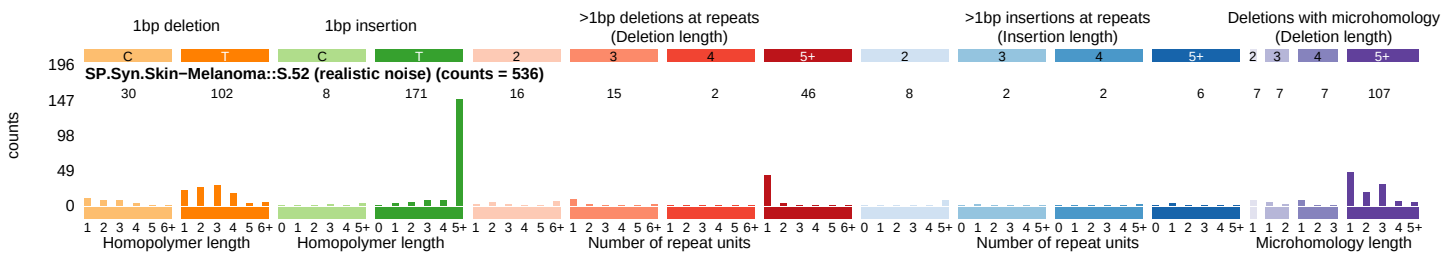

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.47 (realistic noise) (counts = 830)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.48 (realistic noise) (counts = 283)
20 48 7 97 11 3 1 27 6 1 0 2 2 7 1 50
counts
112 84 56 28 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.49 (realistic noise) (counts = 856)
39 439 8 168 20 9 2 41 15 3 4 11 10 4 1 82
counts
412 309 206 103 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.50 (realistic noise) (counts = 632)
50 260 4 30 25 9 7 36 17 7 4 10 15 16 6 136
counts
152 114 76 38 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.51 (realistic noise) (counts = 746)
44 222 8 323 26 6 8 27 13 2 3 3 3 7 5 46
counts
388 291 194 97 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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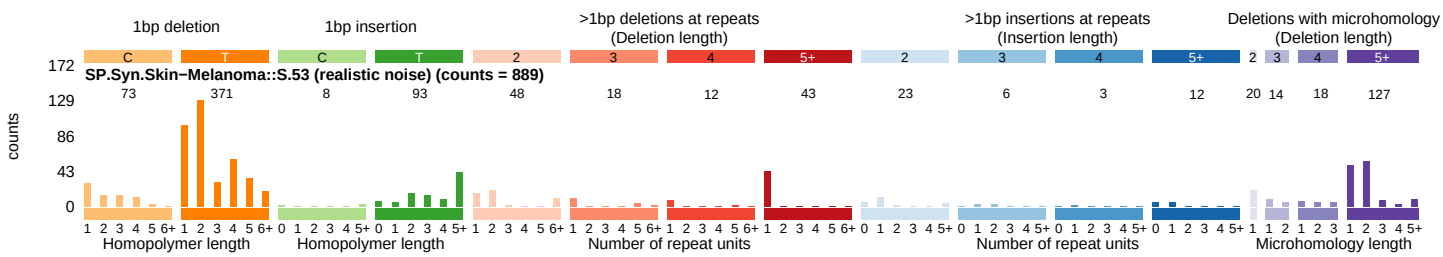
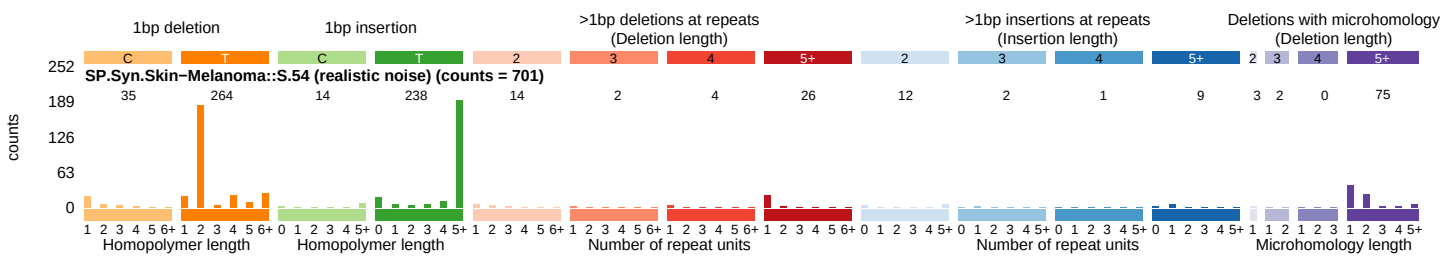
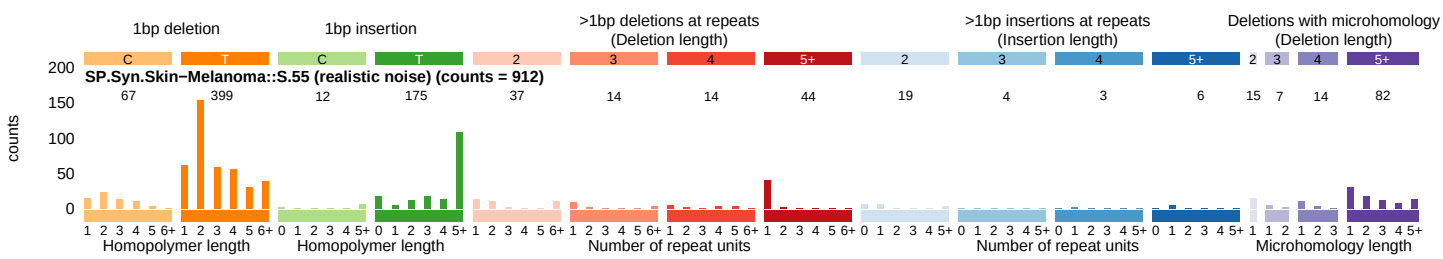
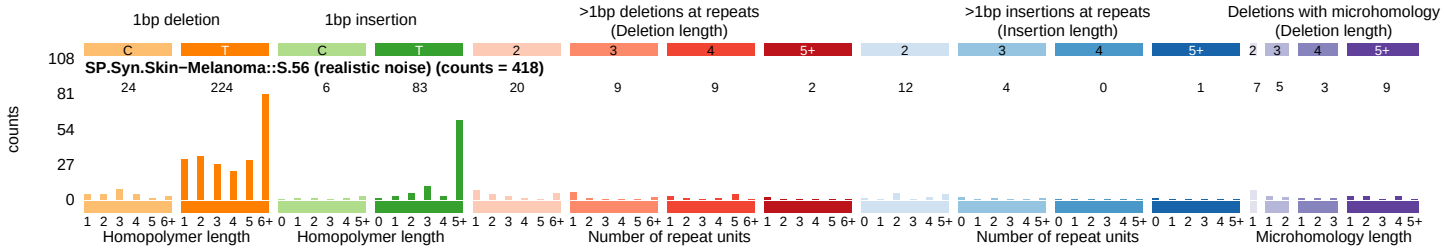
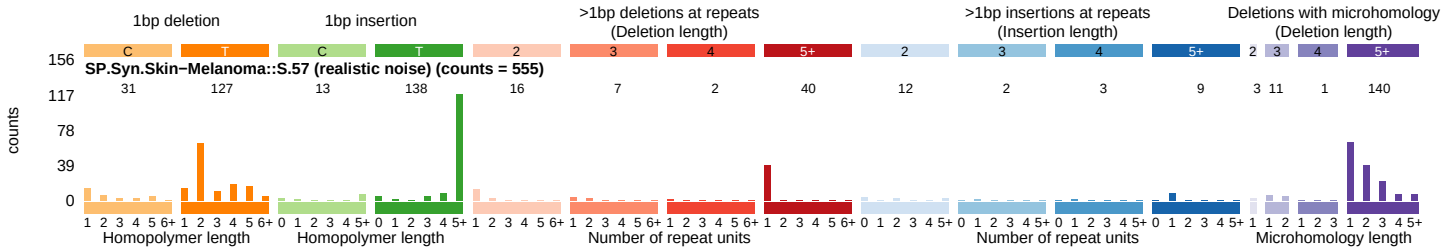
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.52 (realistic noise) (counts = 536)
30 102 8 171 16 15 2 46 8 2 2 6 7 7 7 107
counts
196 147 98 49 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.53 (realistic noise) (counts = 889)
73 371 8 93 48 18 12 43 23 6 3 12 20 14 18 127
counts
172 129 86 43 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.54 (realistic noise) (counts = 701)
35 264 14 238 14 2 4 26 12 2 1 9 3 2 0 75
counts
252 189 126 63 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.55 (realistic noise) (counts = 912)
67 399 12 175 37 14 14 44 19 4 3 6 15 7 14 82
counts
200 150 100 50 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.56 (realistic noise) (counts = 418)
counts
Homopolymer length
Number of repeat units
Microhomology length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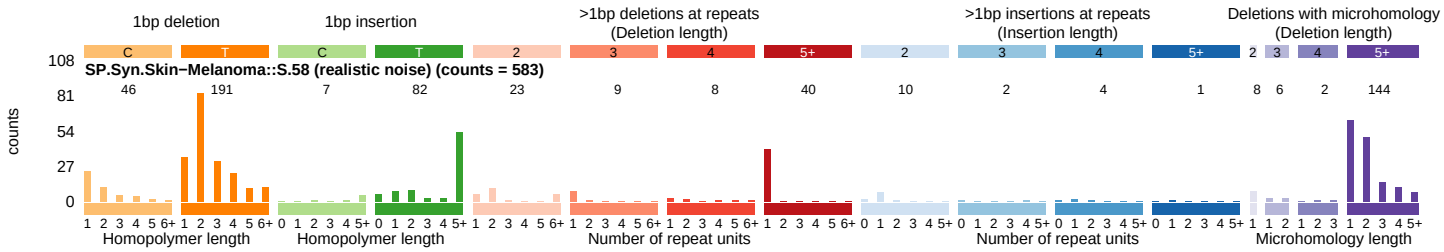
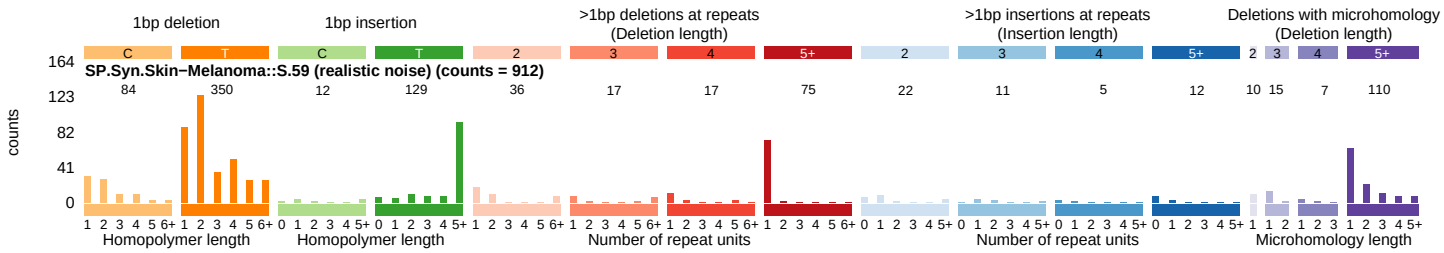
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.57 (realistic noise) (counts = 555)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.58 (realistic noise) (counts = 583)
counts
Homopolymer length
Number of repeat units
Microhomology length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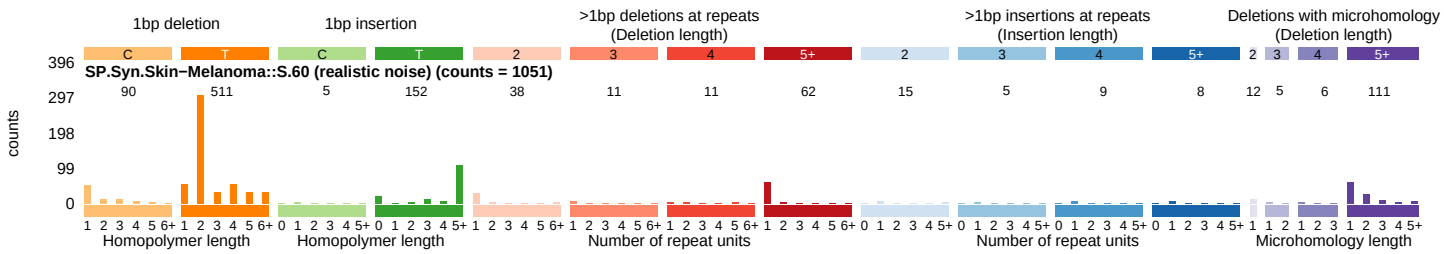
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.59 (realistic noise) (counts = 912)
counts
Homopolymer length
Number of repeat units
Microhomology length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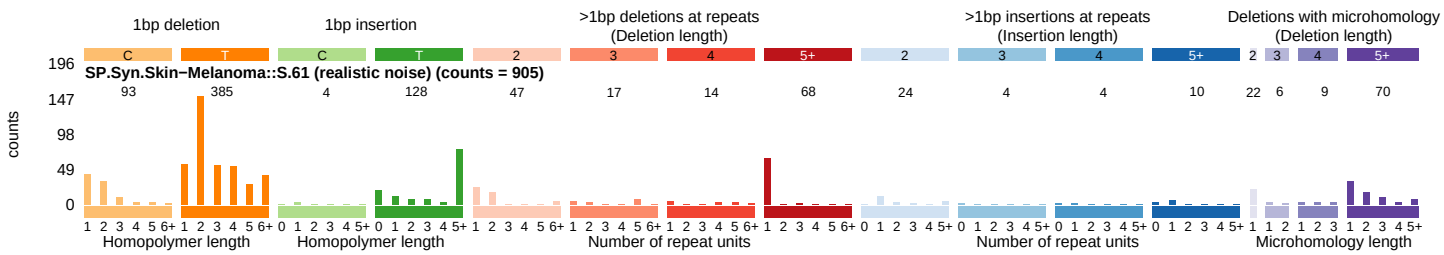
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.60 (realistic noise) (counts = 1051)
counts
Homopolymer length
Number of repeat units
Microhomology length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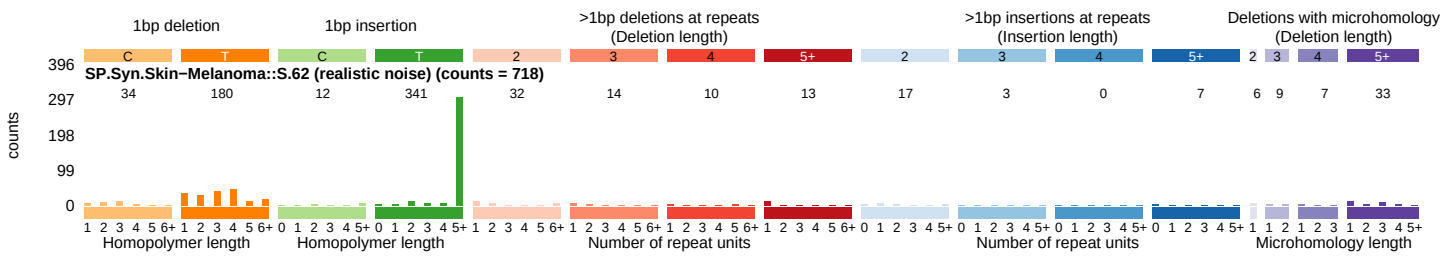
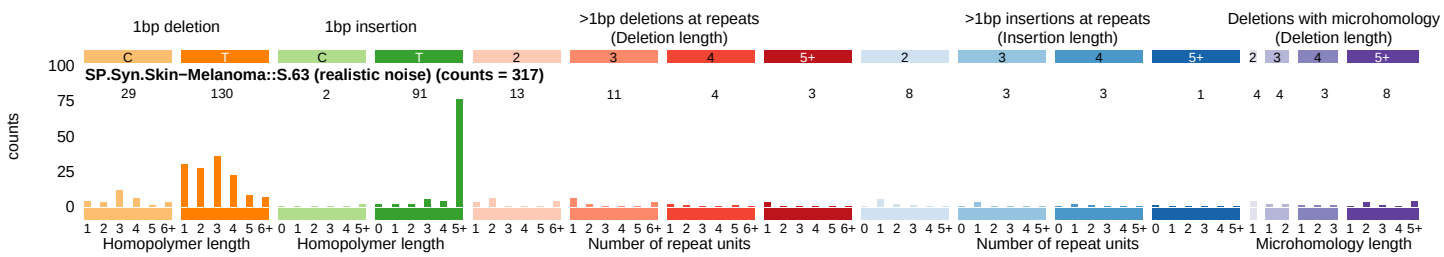
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.61 (realistic noise) (counts = 905)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.62 (realistic noise) (counts = 718)
counts
Homopolymer length
Number of repeat units
Microhomology length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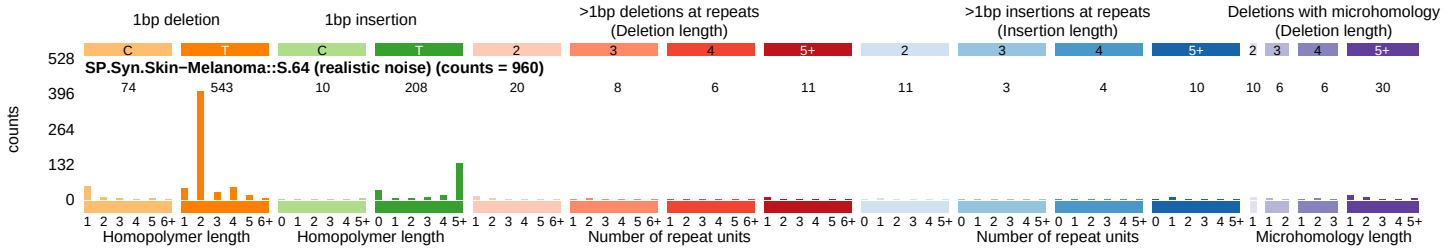
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.63 (realistic noise) (counts = 317)
counts
Homopolymer length
Number of repeat units
Microhomology length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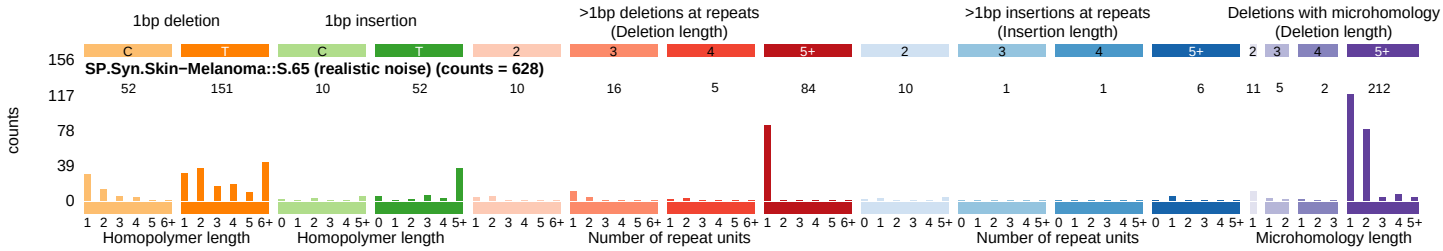
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.64 (realistic noise) (counts = 960)
counts
Homopolymer length
Number of repeat units
Microhomology length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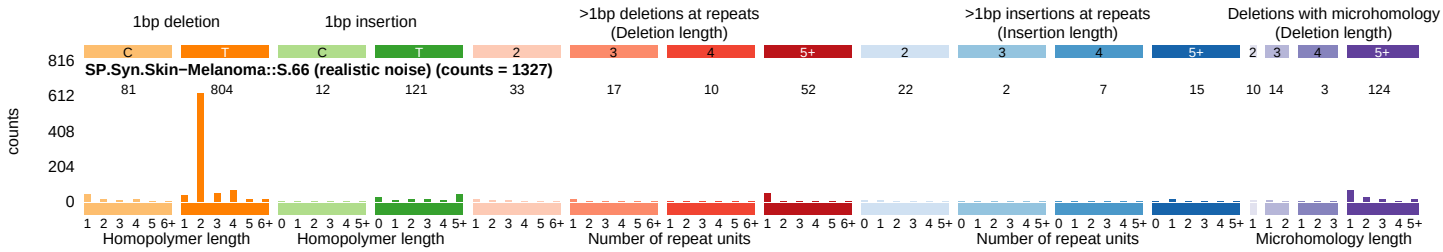
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.65 (realistic noise) (counts = 628)
counts
Homopolymer length
Number of repeat units
Microhomology length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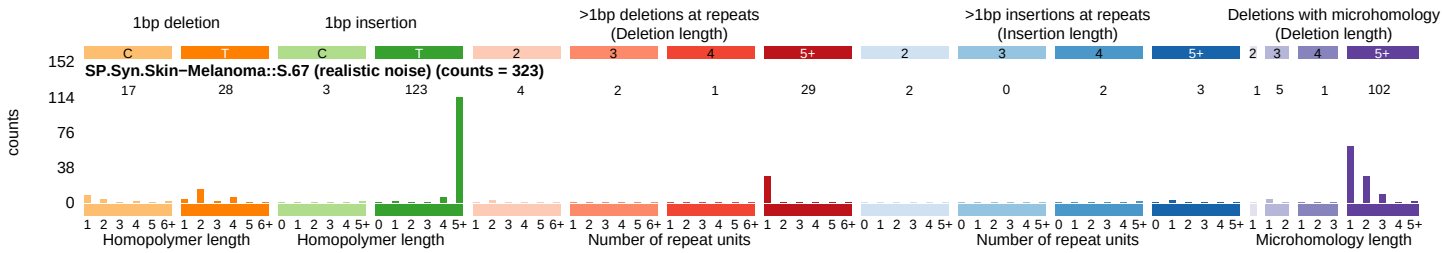
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.66 (realistic noise) (counts = 1327)
counts
Homopolymer length
Number of repeat units
Microhomology length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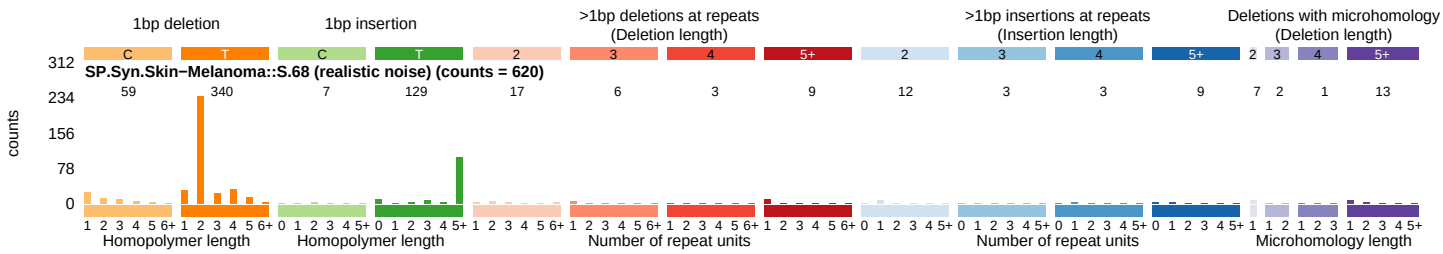
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.67 (realistic noise) (counts = 323)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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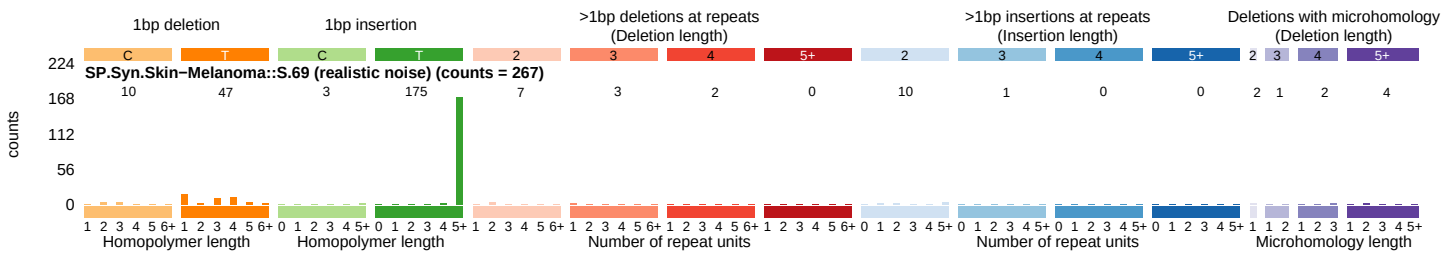
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.68 (realistic noise) (counts = 620)
counts
Homopolymer length
Number of repeat units
Microhomology length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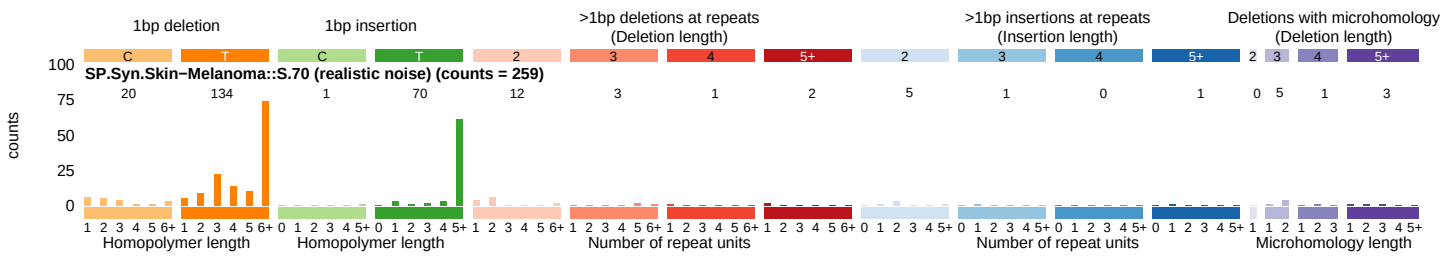
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.69 (realistic noise) (counts = 267)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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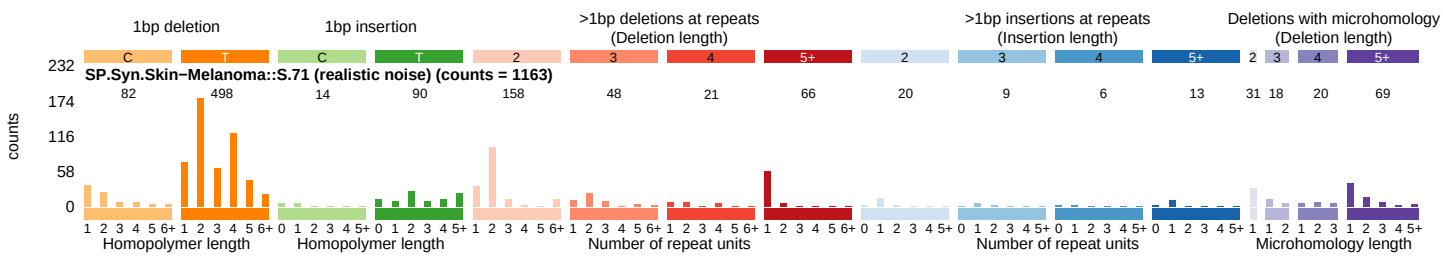
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.70 (realistic noise) (counts = 259)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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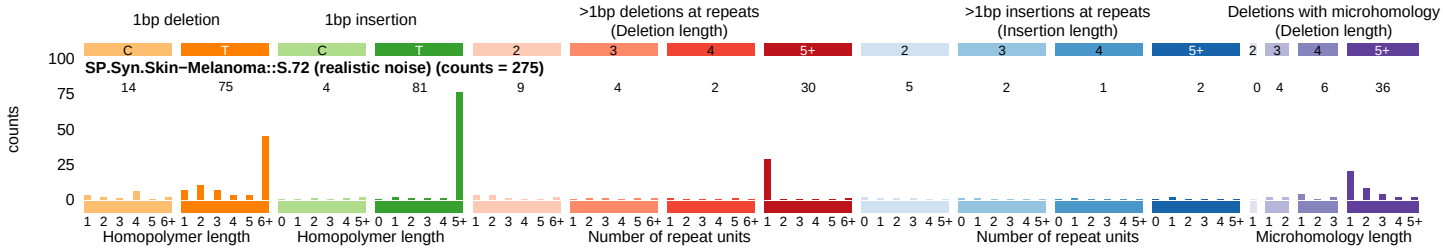
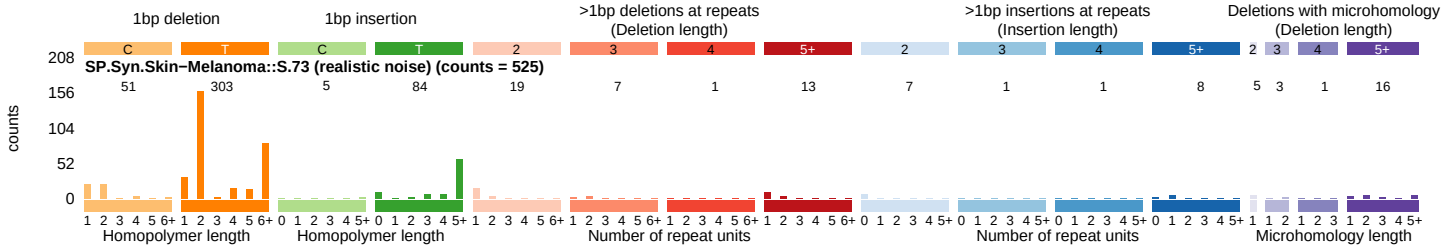
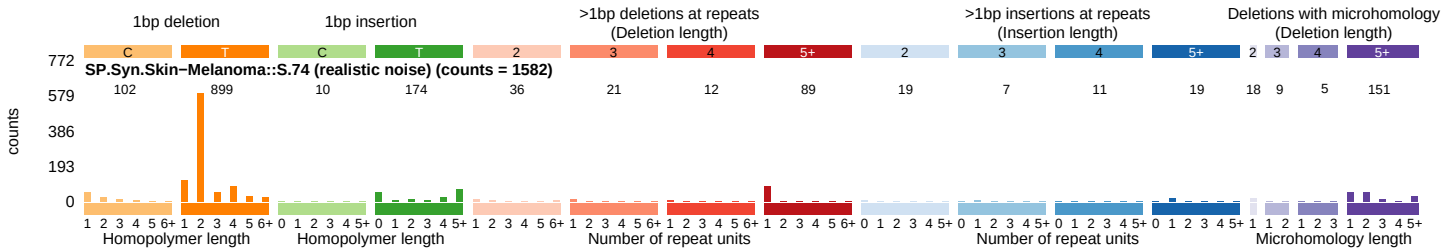
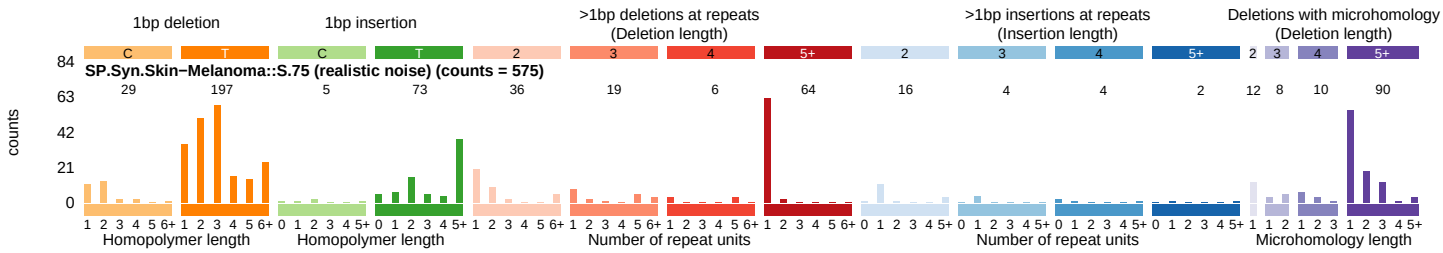
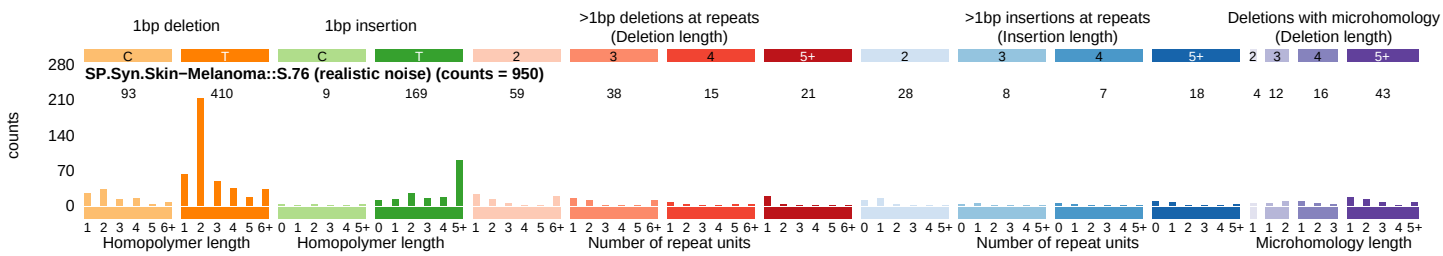
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.71 (realistic noise) (counts = 1163)
counts
Homopolymer length
Number of repeat units
Microhomology length

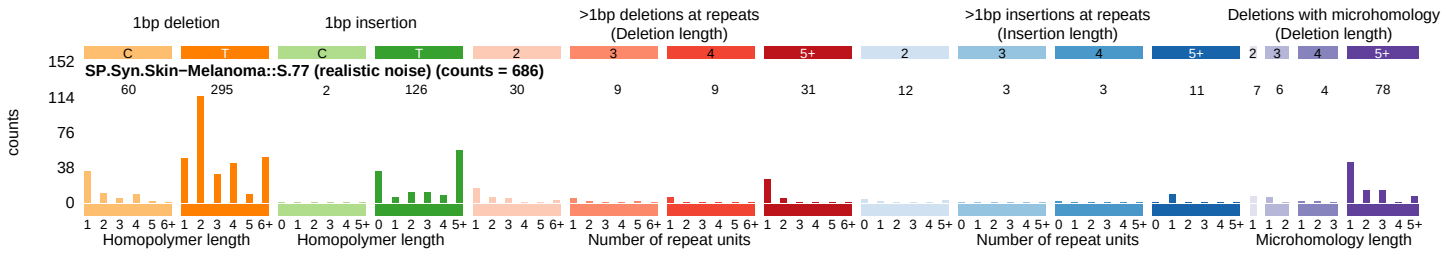

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.72 (realistic noise) (counts = 275)
14 75 4 81 9 4 2 30 5 2 1 2 0 4 6 36
counts
100 75 50 25 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.73 (realistic noise) (counts = 525)
51 303 5 84 19 7 1 13 7 1 1 8 5 3 1 16
counts
208 156 104 52 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.74 (realistic noise) (counts = 1582)
102 899 10 174 36 21 12 89 19 7 11 19 18 9 5 151
counts
772 579 386 193 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.75 (realistic noise) (counts = 575)
29 197 5 73 36 19 6 64 16 4 4 2 12 8 10 90
counts
84 63 42 21 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.76 (realistic noise) (counts = 950)
93 410 9 169 59 38 15 21 28 8 7 18 4 12 16 43
counts
280 210 140 70 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
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>1bp deletions at repeats (Deletion length)
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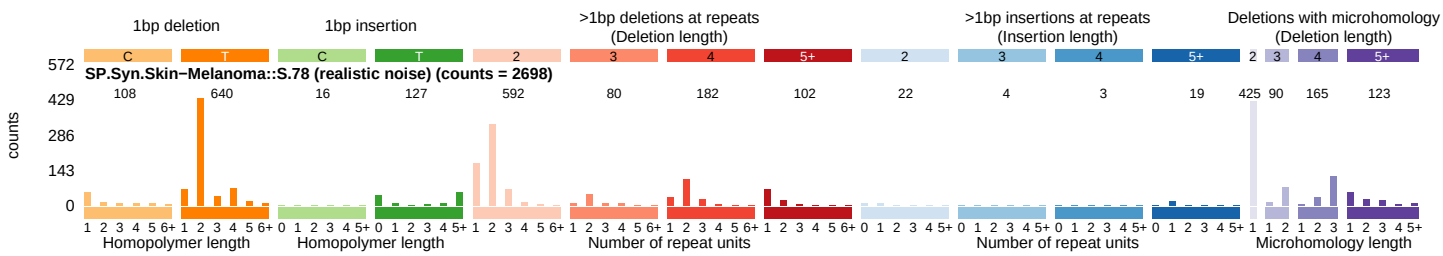
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.77 (realistic noise) (counts = 686)
60 295 2 126 30 9 9 31 12 3 3 11 7 6 4 78
counts
152 114 76 38 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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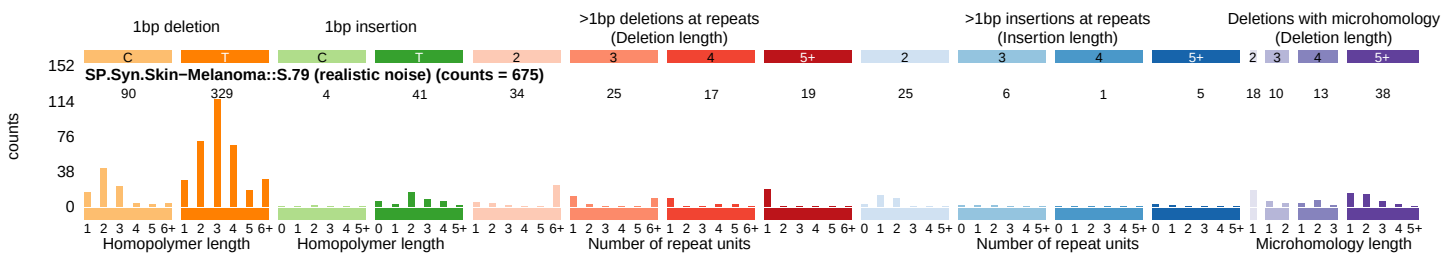
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.78 (realistic noise) (counts = 2698)
108 640 16 127 592 80 182 102 22 4 3 19 425 90 165 123
counts
572 429 286 143 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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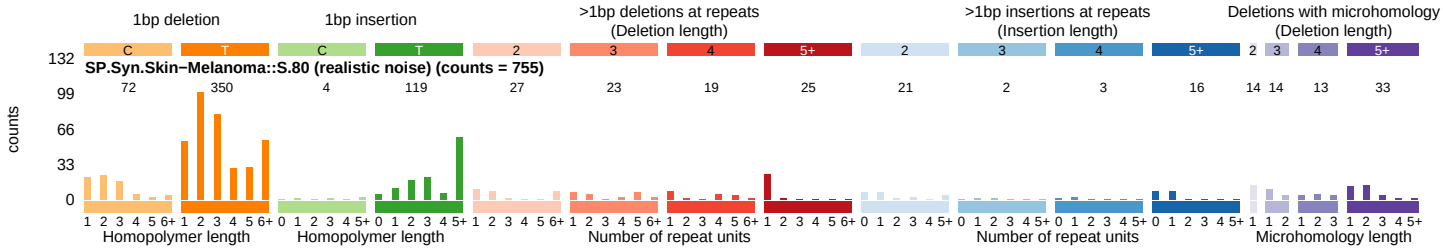
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
SP.Syn.Skin−Melanoma::S.79 (realistic noise) (counts = 675)
90 329 4 41 34 25 17 19 25 6 1 5 18 10 13 38
counts
152 114 76 38 0
1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 1 2 3 4 5 6+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 0 1 2 3 4 5+ 1 1 2 1 2 3 1 2 3 4 5+
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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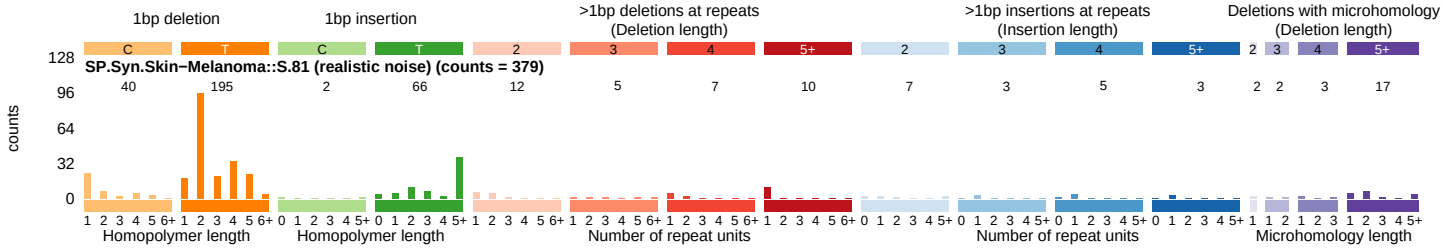
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.80 (realistic noise) (counts = 755)
72 350 4 119 27 23 19 25 21 2 3 16 14 14 13 33
counts
Homopolymer length
Number of repeat units
Microhomology length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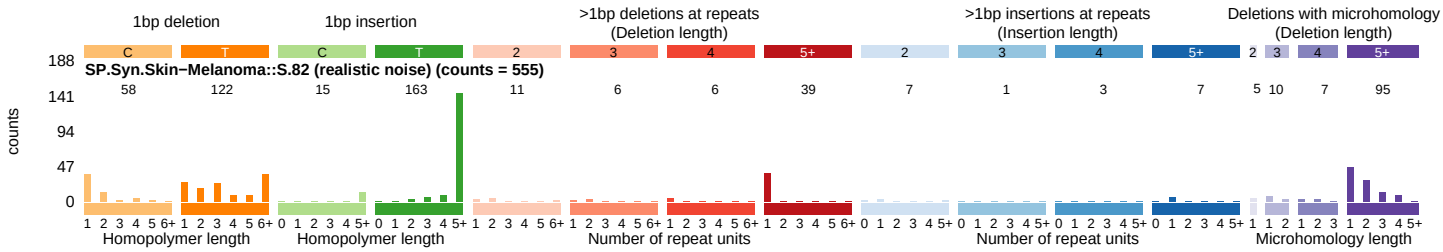
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.81 (realistic noise) (counts = 379)
40 195 2 66 12 5 7 10 7 3 5 3 2 2 3 17
counts
Homopolymer length
Number of repeat units
Microhomology length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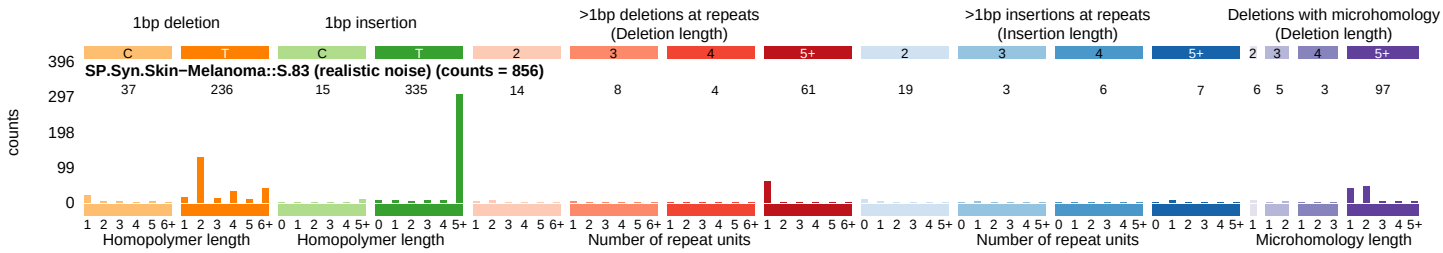
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.82 (realistic noise) (counts = 555)
58 122 15 163 11 6 6 39 7 1 3 7 5 10 7 95
counts
Homopolymer length
Number of repeat units
Microhomology length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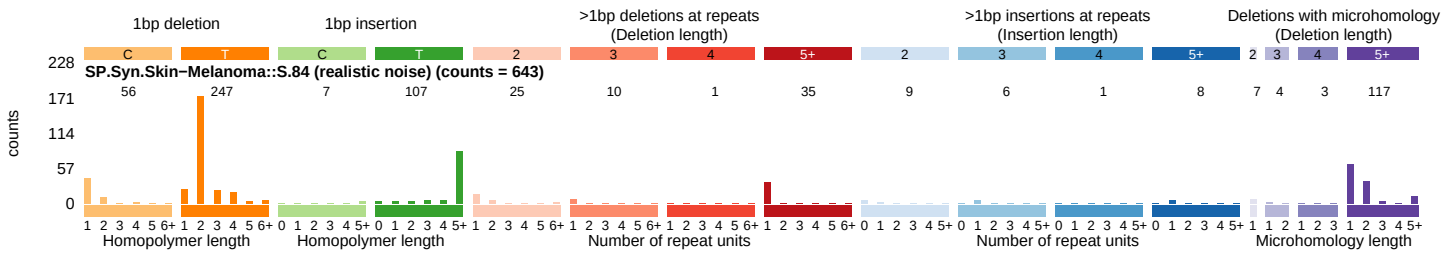
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.83 (realistic noise) (counts = 856)
37 236 15 335 14 8 4 61 19 3 6 7 6 5 3 97
counts
Homopolymer length
Number of repeat units
Microhomology length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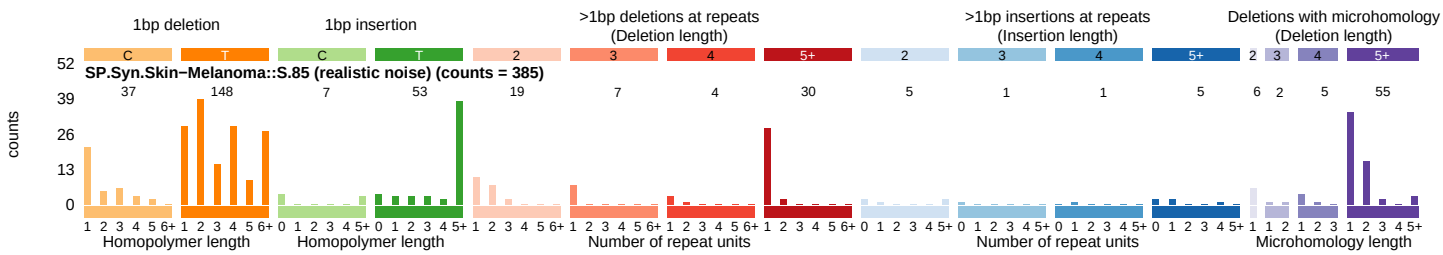
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.84 (realistic noise) (counts = 643)
56 247 7 107 25 10 1 35 9 6 1 8 7 4 3 117
counts
Homopolymer length
Number of repeat units
Microhomology length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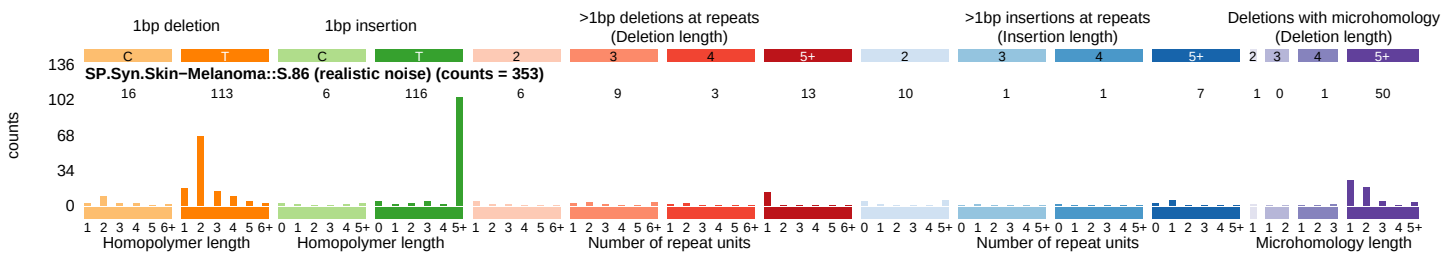
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.85 (realistic noise) (counts = 385)
37 148 7 53 19 7 4 30 5 1 1 5 6 2 5 55
counts
Homopolymer length
Number of repeat units
Microhomology length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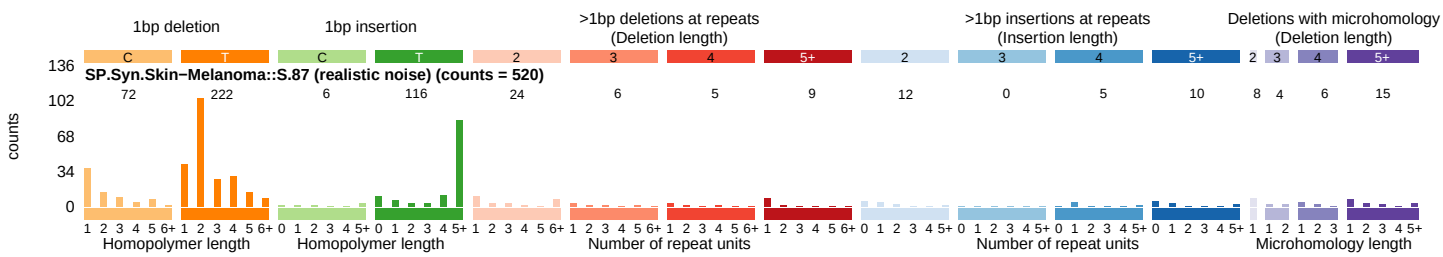
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.86 (realistic noise) (counts = 353)
16 113 6 116 6 9 3 13 10 1 1 7 1 0 1 50
counts
Homopolymer length
Number of repeat units
Microhomology length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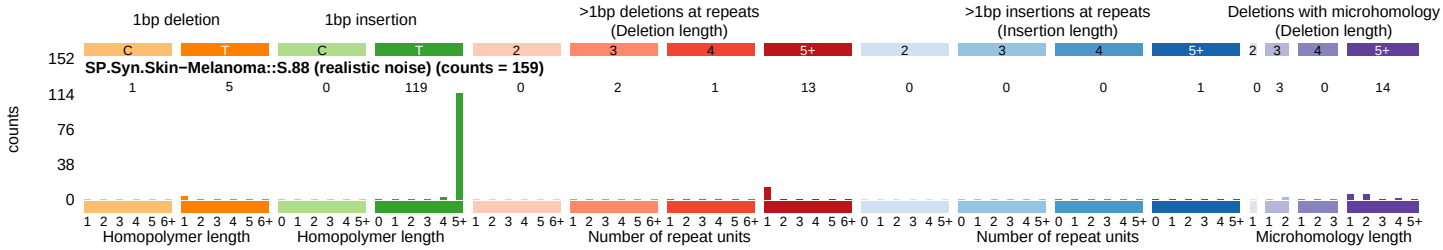
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.87 (realistic noise) (counts = 520)
72 222 6 116 24 6 5 9 12 0 5 10 8 4 6 15
counts
Homopolymer length
Number of repeat units
Microhomology length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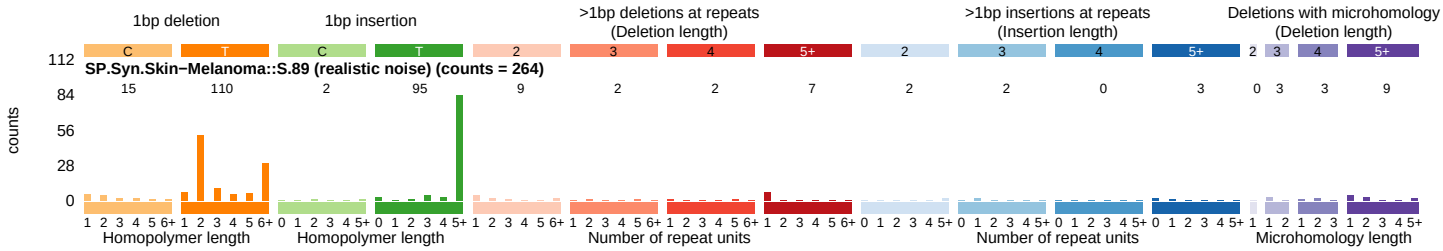
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.88 (realistic noise) (counts = 159)
1 5 0 119 0 2 1 13 0 0 0 1 0 3 0 14
counts
Homopolymer length
Number of repeat units
Microhomology length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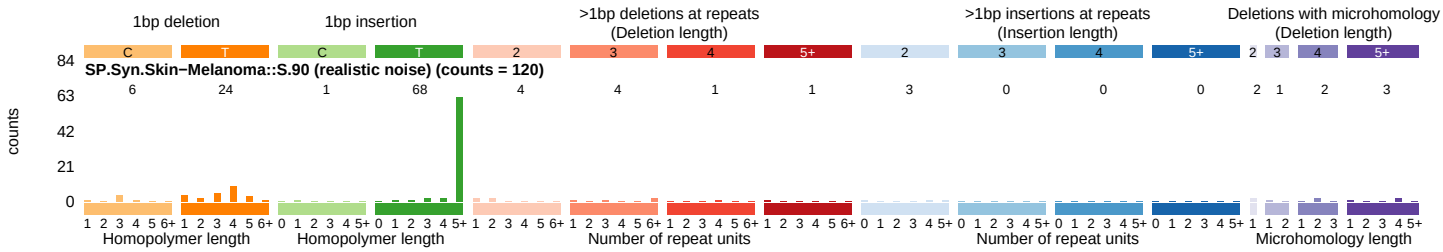
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.89 (realistic noise) (counts = 264)
15 110 2 95 9 2 2 7 2 2 0 3 0 3 3 9
counts
Homopolymer length
Number of repeat units
Microhomology length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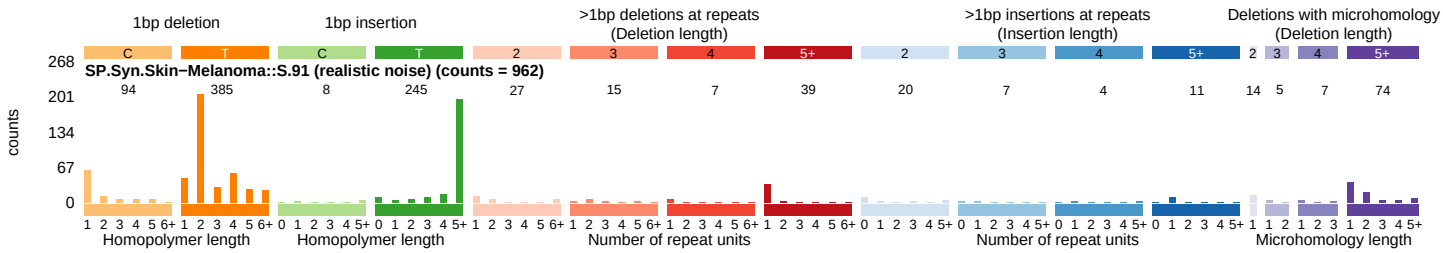
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.90 (realistic noise) (counts = 120)
6 24 1 68 4 4 1 1 3 0 0 0 2 1 2 3
counts
Homopolymer length
Number of repeat units
Microhomology length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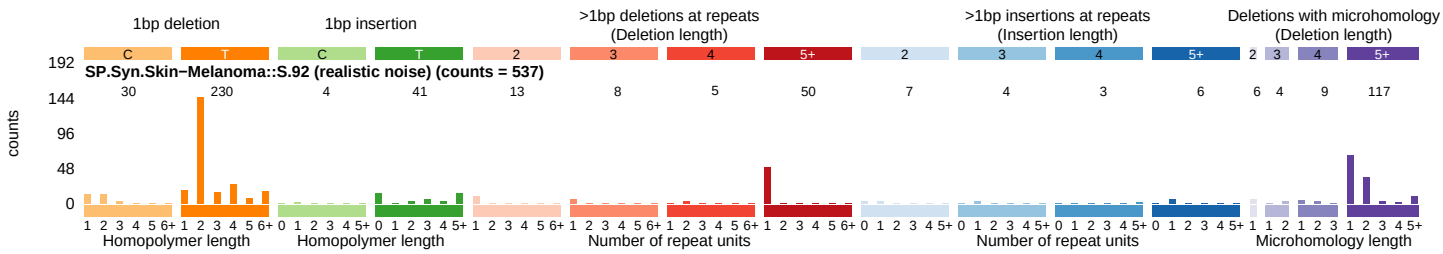
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.91 (realistic noise) (counts = 962)
94 385 8 245 27 15 7 39 20 7 4 11 14 5 7 74
counts
Homopolymer length
Number of repeat units
Microhomology length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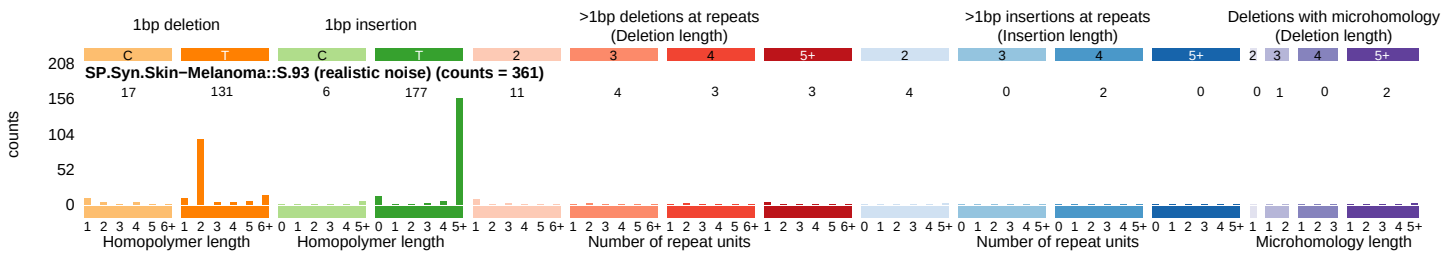
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.92 (realistic noise) (counts = 537)
30 230 4 41 13 8 5 50 7 4 3 6 6 4 9 117
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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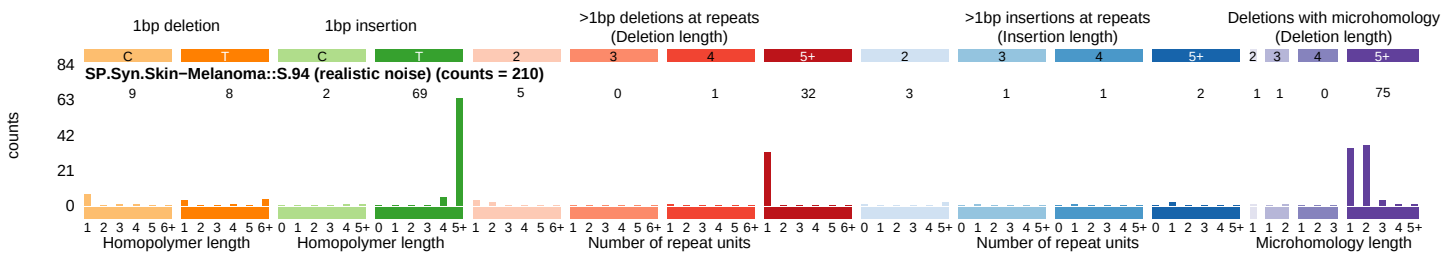
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.93 (realistic noise) (counts = 361)
17 131 6 177 11 4 3 3 4 0 2 0 0 1 0 2
counts
Homopolymer length
Number of repeat units
Microhomology length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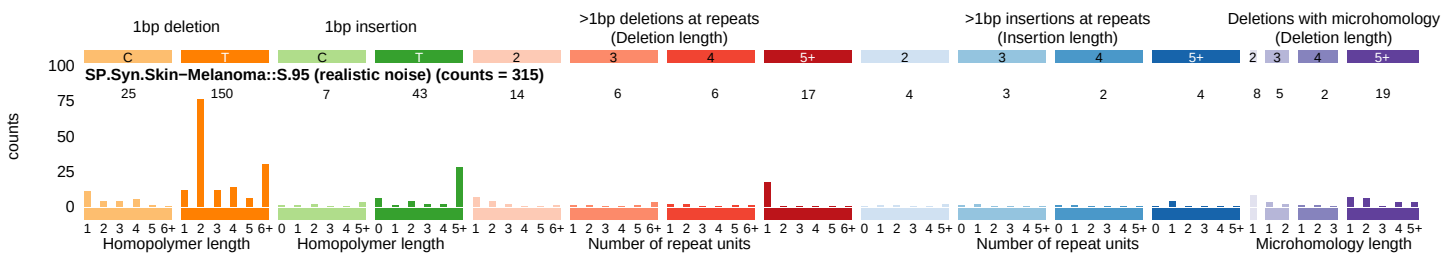
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.94 (realistic noise) (counts = 210)
9 8 2 69 5 0 1 32 3 1 1 2 1 1 0 75
counts
Homopolymer length
Number of repeat units
Microhomology length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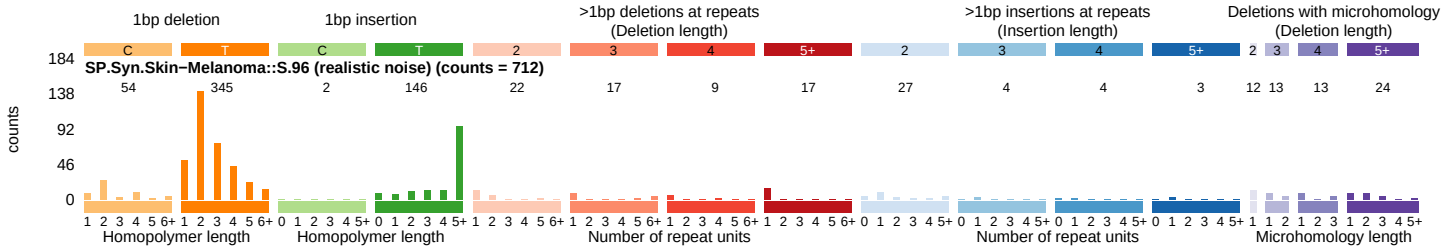
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.95 (realistic noise) (counts = 315)
25 150 7 43 14 6 6 17 4 3 2 4 8 5 2 19
counts
Homopolymer length
Number of repeat units
Microhomology length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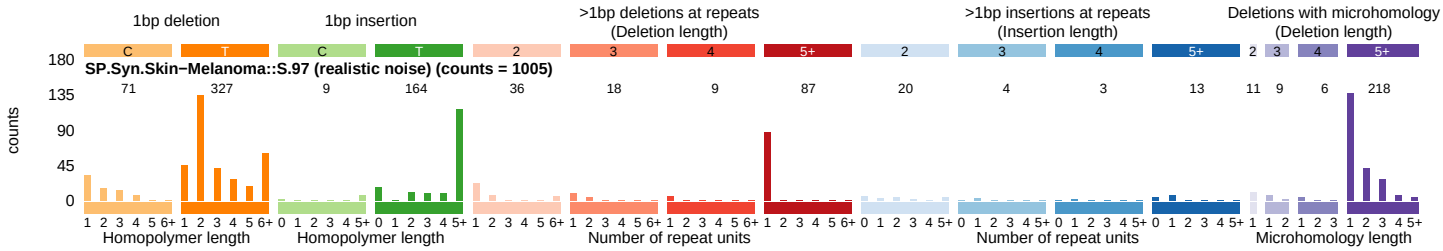
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.96 (realistic noise) (counts = 712)
54 345 2 146 22 17 9 17 27 4 4 3 12 13 13 24
counts
Homopolymer length
Number of repeat units
Microhomology length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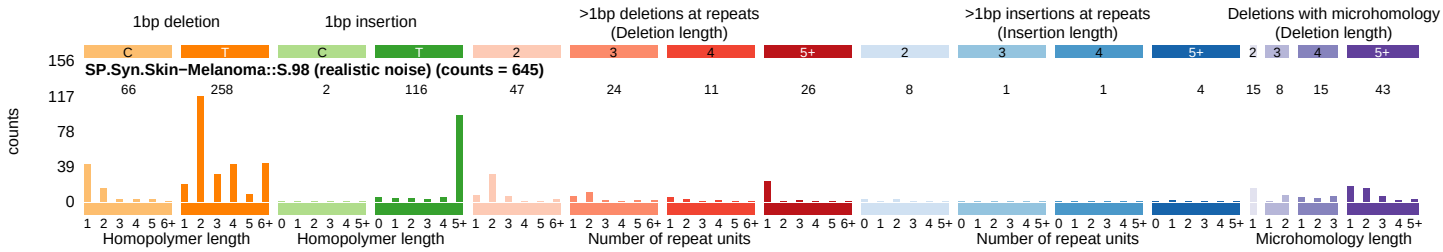
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.97 (realistic noise) (counts = 1005)
71 327 9 164 36 18 9 87 20 4 3 13 11 9 6 218
counts
Homopolymer length
Number of repeat units
Microhomology length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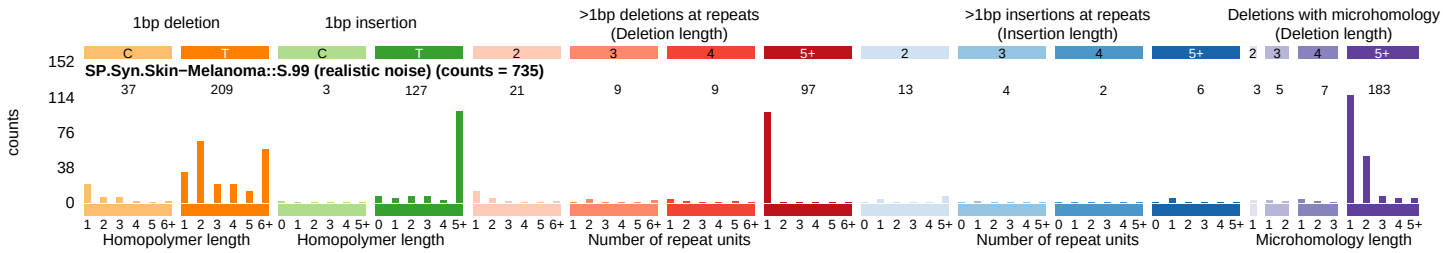
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.98 (realistic noise) (counts = 645)
66 258 2 116 47 24 11 26 8 1 1 4 15 8 15 43
counts
Homopolymer length
Number of repeat units
Microhomology length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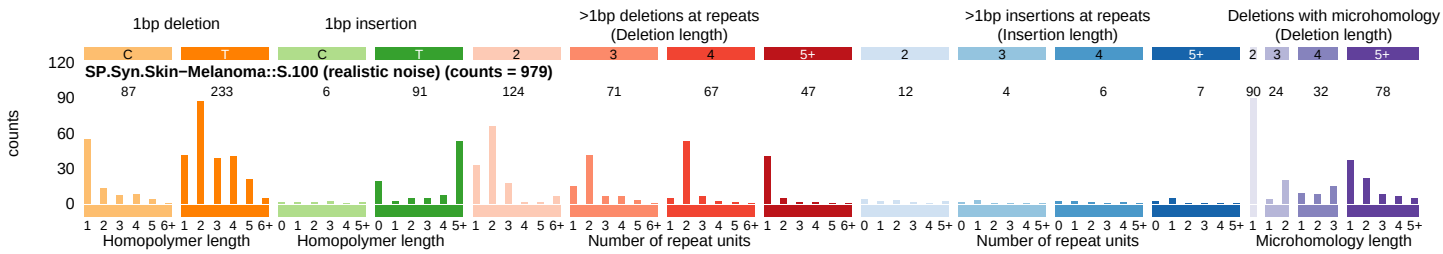
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.99 (realistic noise) (counts = 735)
37 209 3 127 21 9 9 97 13 4 2 6 3 5 7 183
counts
Homopolymer length
Number of repeat units
Microhomology length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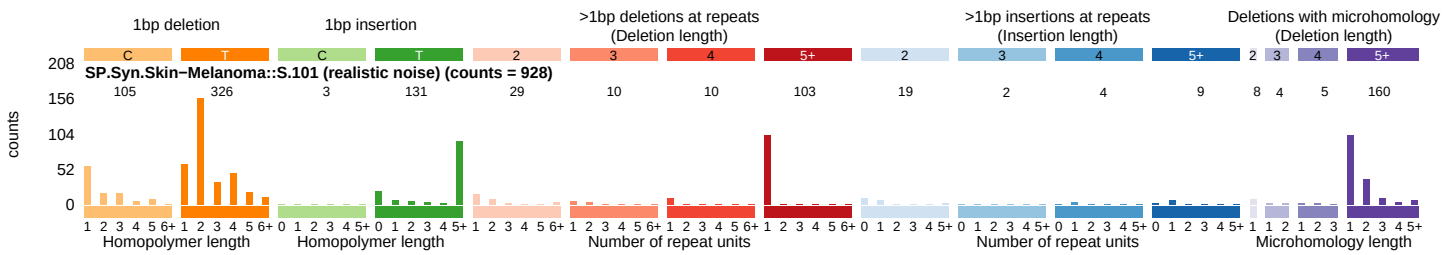
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.100 (realistic noise) (counts = 979)
87 233 6 91 124 71 67 47 12 4 6 7 90 24 32 78
counts
Homopolymer length
Number of repeat units
Microhomology length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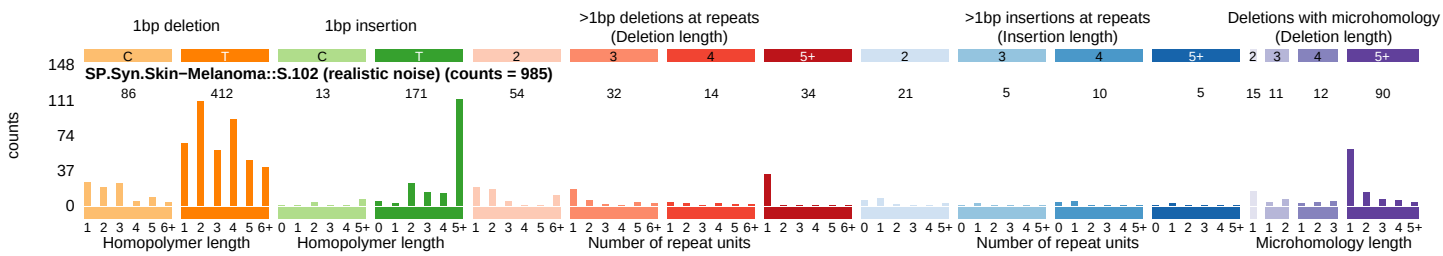
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.101 (realistic noise) (counts = 928)
105 326 3 131 29 10 10 103 19 2 4 9 8 4 5 160
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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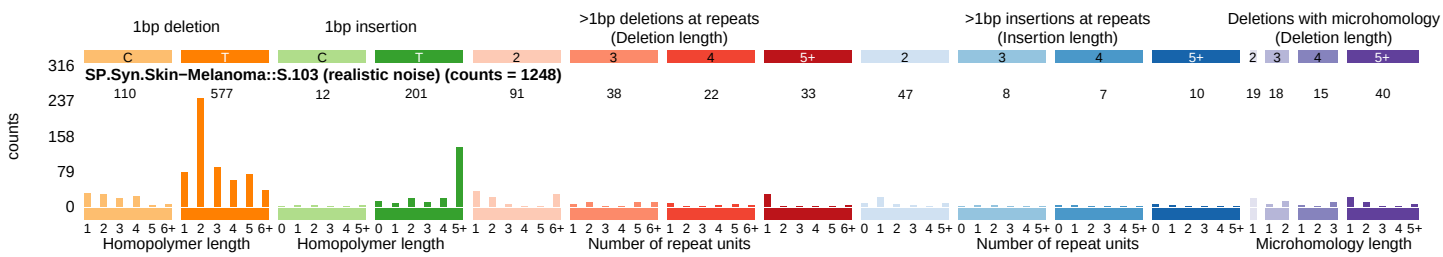
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.102 (realistic noise) (counts = 985)
86 412 13 171 54 32 14 34 21 5 10 5 15 11 12 90
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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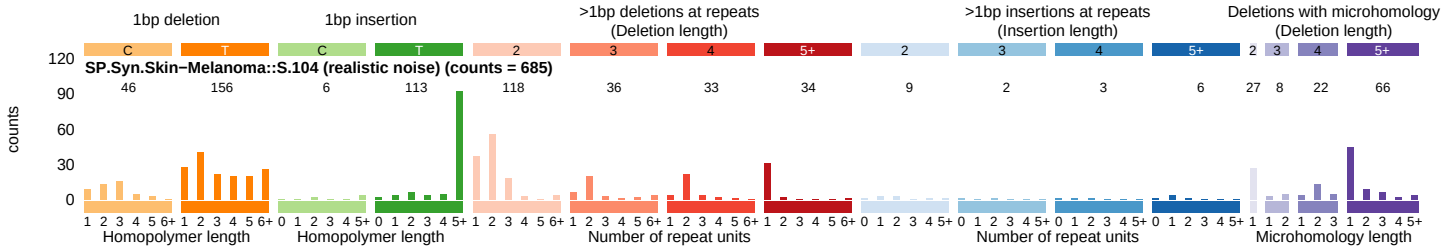
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.103 (realistic noise) (counts = 1248)
110 577 12 201 91 38 22 33 47 8 7 10 19 18 15 40
counts
Homopolymer length
Number of repeat units
Microhomology length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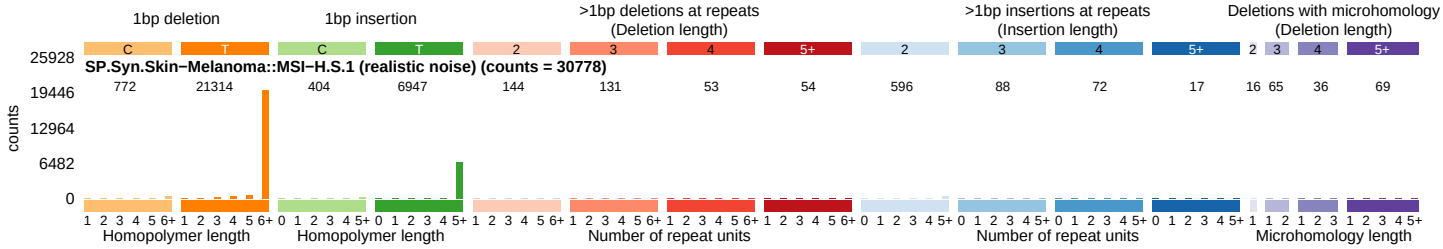
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::S.104 (realistic noise) (counts = 685)
46 156 6 113 118 36 33 34 9 2 3 6 27 8 22 66
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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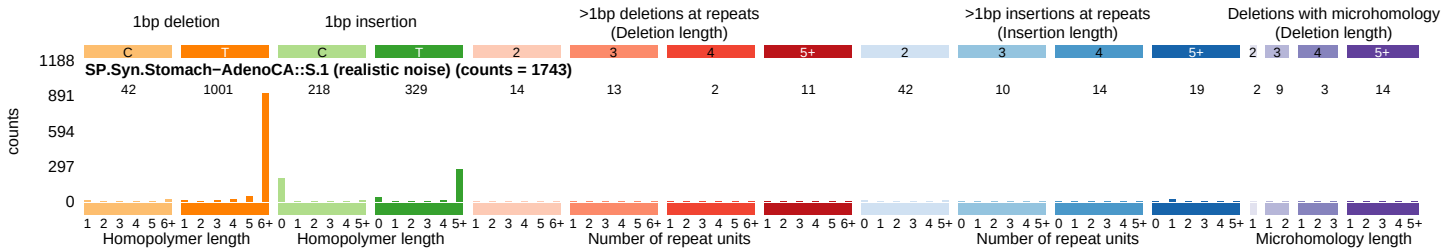
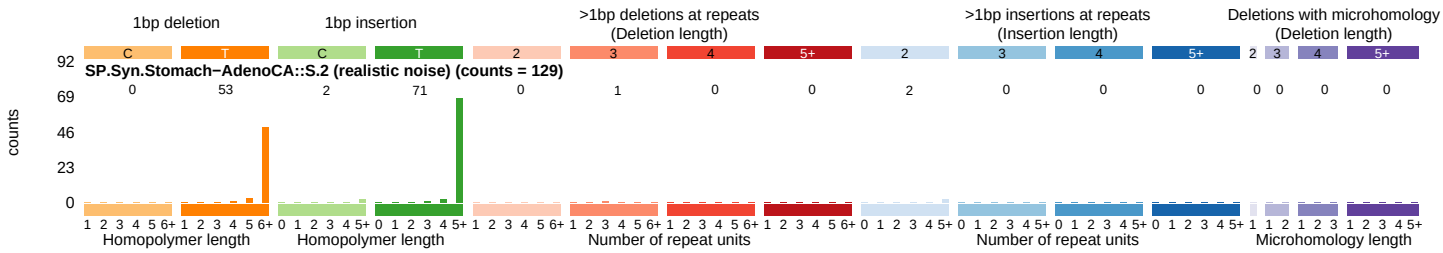
Deletions with microhomology (Deletion length)
SP.Syn.Skin−Melanoma::MSI−H.S.1 (realistic noise) (counts = 30778)
772 21314 404 6947 144 131 53 54 596 88 72 17 16 65 36 69
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.1 (realistic noise) (counts = 1743)
42 1001 218 329 14 13 2 11 42 10 14 19 2 9 3 14
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
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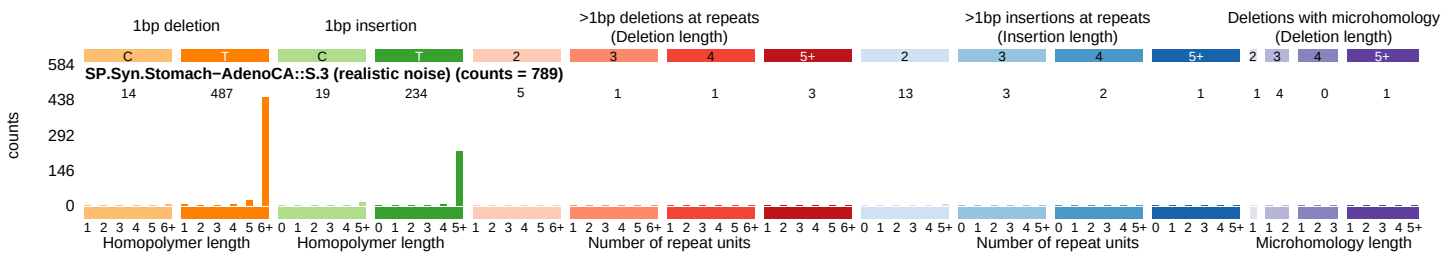
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.2 (realistic noise) (counts = 129)
0 53 2 71 0 1 0 0 2 0 0 0 0 0 0 0
counts
Homopolymer length
Number of repeat units
Microhomology length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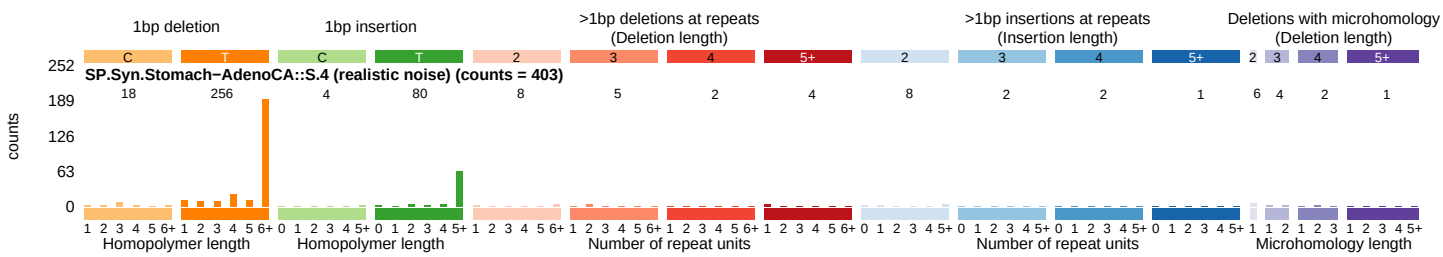
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.3 (realistic noise) (counts = 789)
14 487 19 234 5 1 1 3 13 3 2 1 1 4 0 1
counts
Homopolymer length
Number of repeat units
Microhomology length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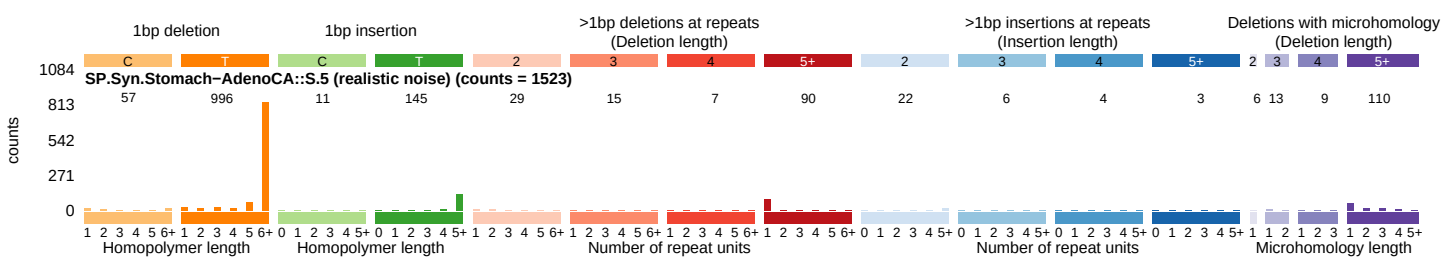
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.4 (realistic noise) (counts = 403)
18 256 4 80 8 5 2 4 8 2 2 1 6 4 2 1
counts
Homopolymer length
Number of repeat units
Microhomology length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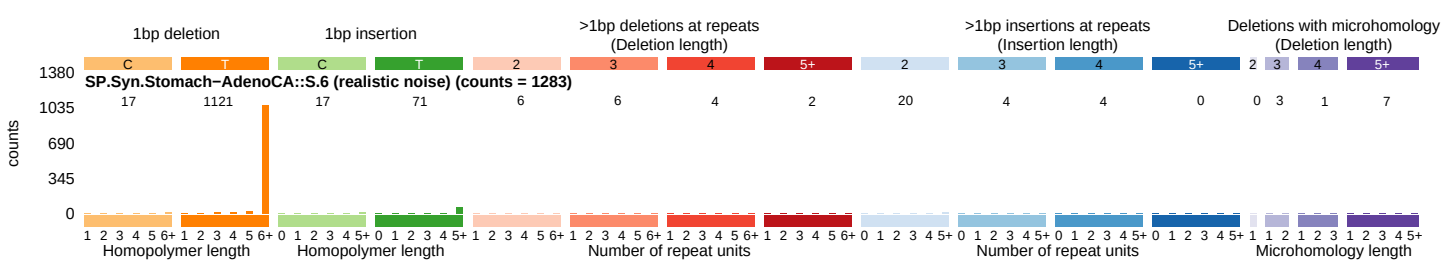
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.5 (realistic noise) (counts = 1523)
57 996 11 145 29 15 7 90 22 6 4 3 6 13 9 110
counts
Homopolymer length
Number of repeat units
Microhomology length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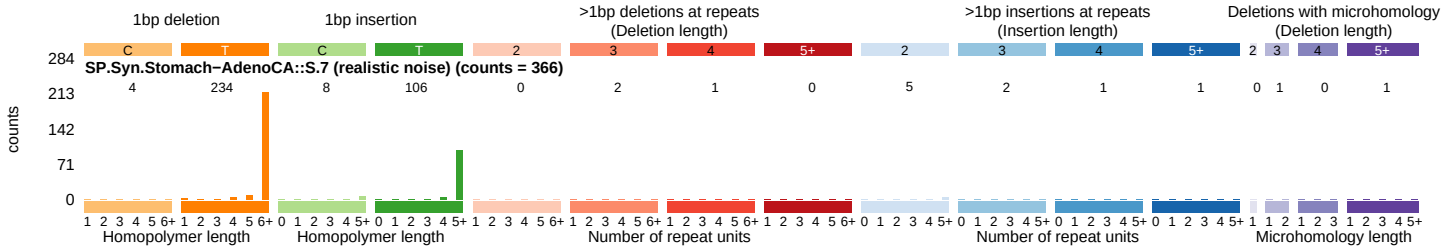
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.6 (realistic noise) (counts = 1283)
17 1121 17 71 6 6 4 2 20 4 4 0 0 3 1 7
counts
Homopolymer length
Number of repeat units
Microhomology length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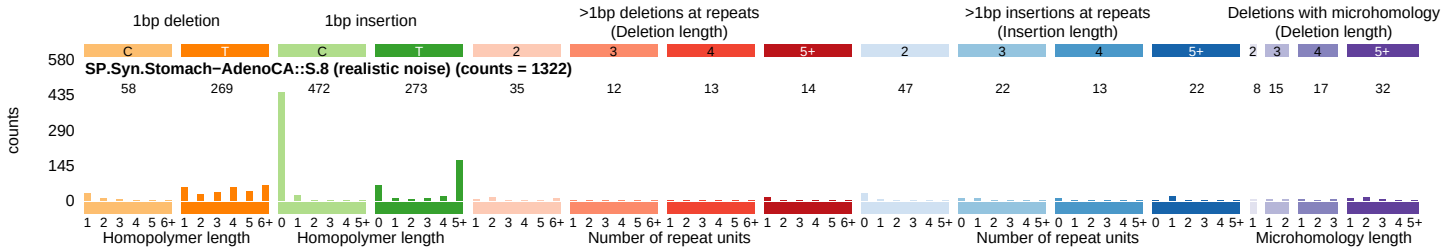
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.7 (realistic noise) (counts = 366)
counts
Homopolymer length
Number of repeat units
Microhomology length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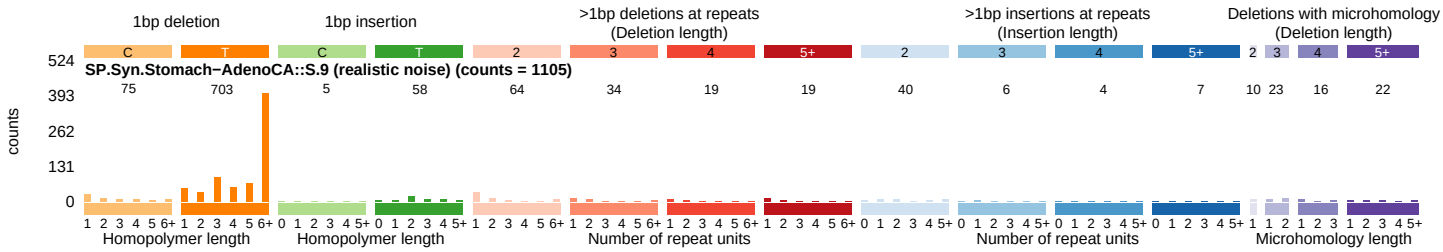
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.8 (realistic noise) (counts = 1322)
counts
Homopolymer length
Number of repeat units
Microhomology length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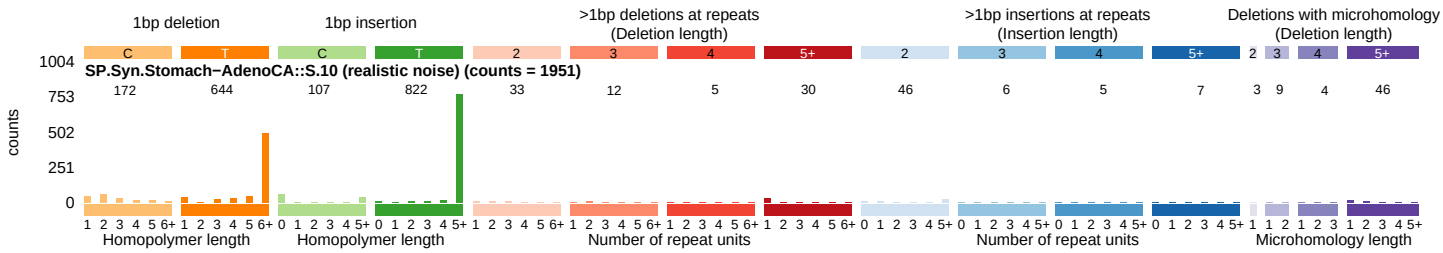
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.9 (realistic noise) (counts = 1105)
counts
Homopolymer length
Number of repeat units
Microhomology length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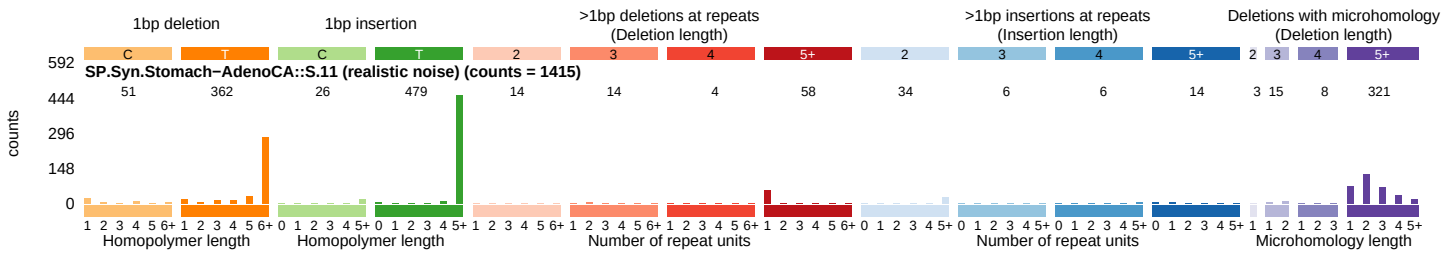
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.10 (realistic noise) (counts = 1951)
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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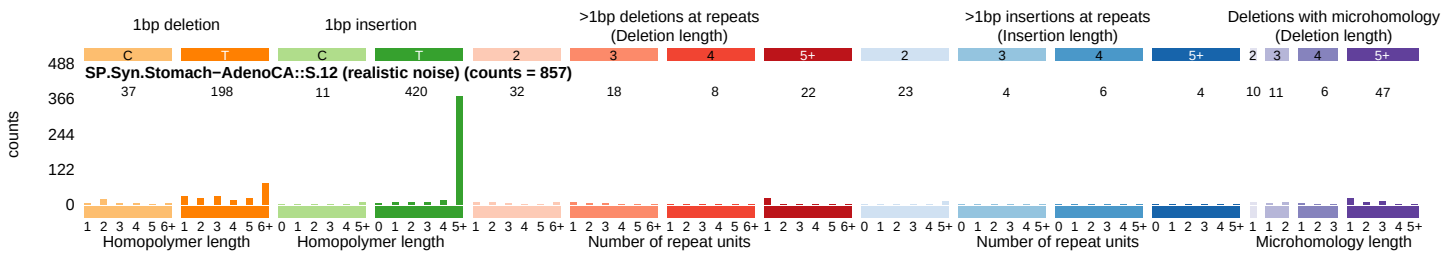
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.11 (realistic noise) (counts = 1415)
counts
Homopolymer length
Number of repeat units
Microhomology length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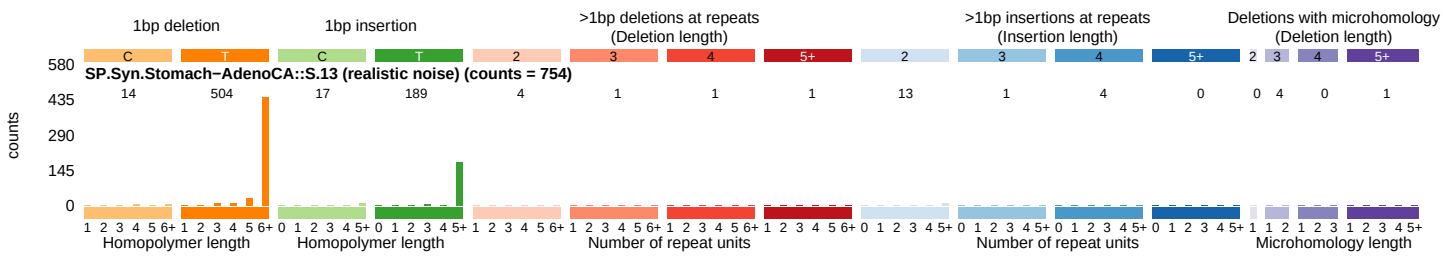
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.12 (realistic noise) (counts = 857)
counts
Homopolymer length
Number of repeat units
Microhomology length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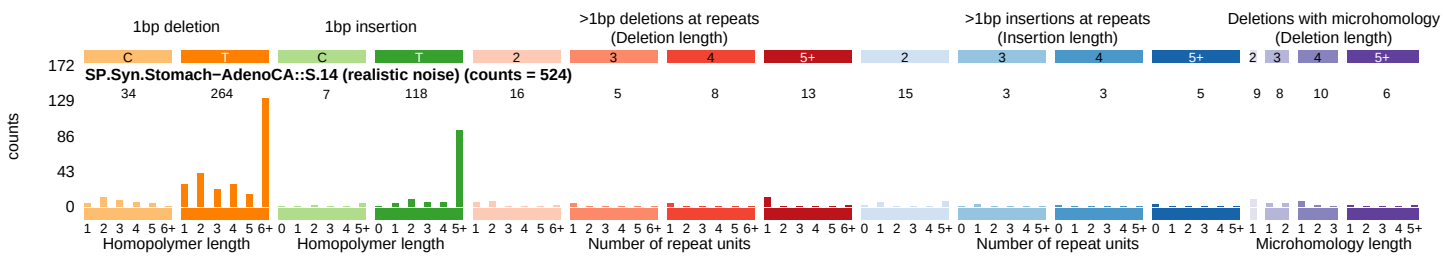
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.13 (realistic noise) (counts = 754)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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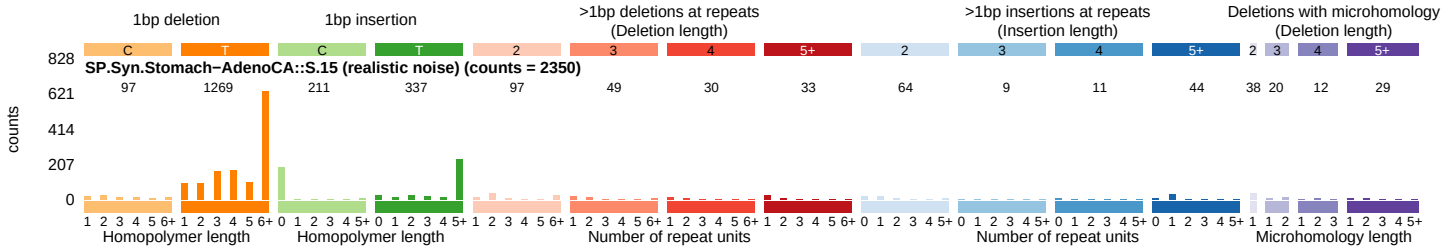
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.14 (realistic noise) (counts = 524)
counts
Homopolymer length
Number of repeat units
Microhomology length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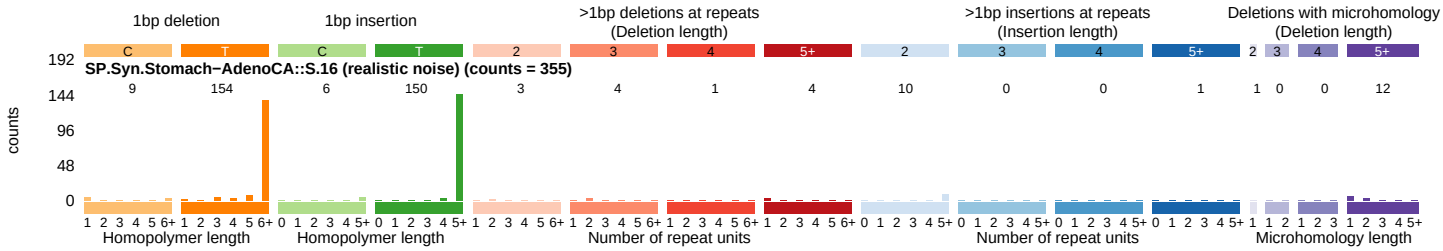
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.15 (realistic noise) (counts = 2350)
97 1269 211 337 97 49 30 33 64 9 11 44 38 20 12 29
counts
Homopolymer length
Number of repeat units
Microhomology length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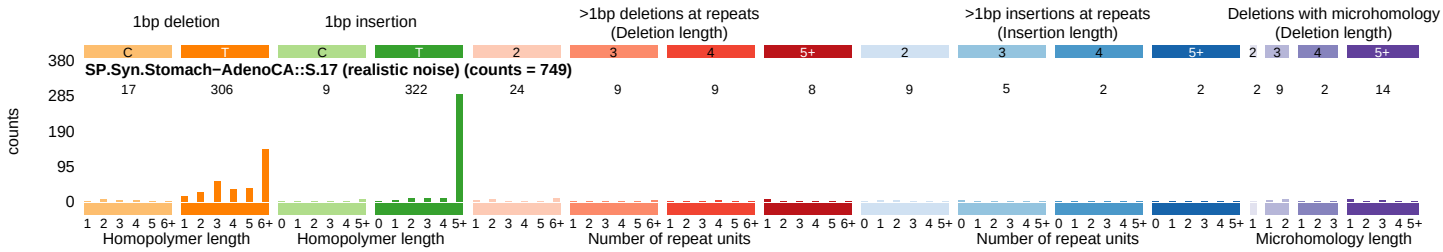
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.16 (realistic noise) (counts = 355)
9 154 6 150 3 4 1 4 10 0 0 1 1 0 0 12
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
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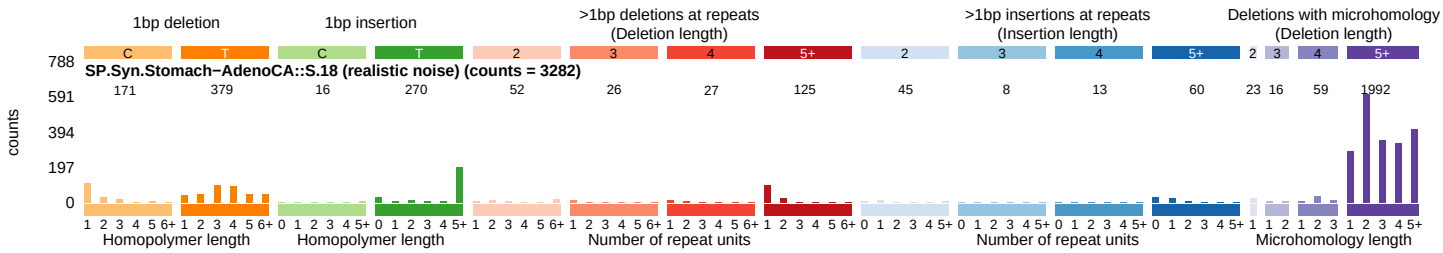
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.17 (realistic noise) (counts = 749)
17 306 9 322 24 9 9 8 9 5 2 2 2 9 2 14
counts
Homopolymer length
Number of repeat units
Microhomology length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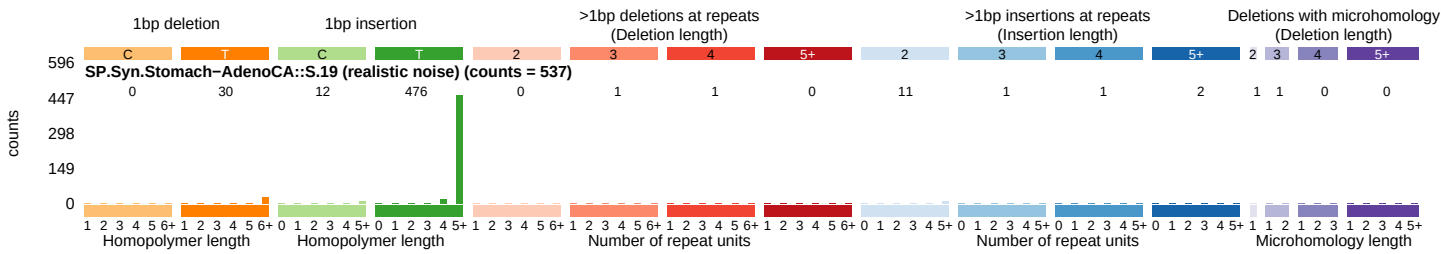
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.18 (realistic noise) (counts = 3282)
171 379 16 270 52 26 27 125 45 8 13 60 23 16 59 1992
counts
Homopolymer length
Number of repeat units
Microhomology length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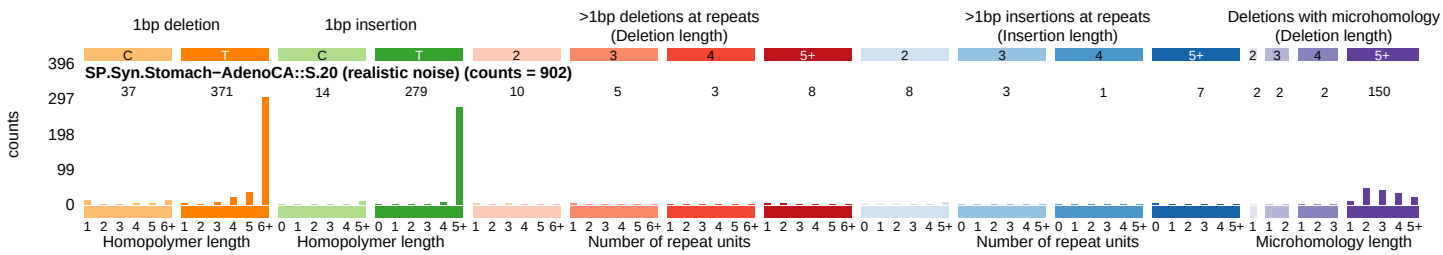
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.19 (realistic noise) (counts = 537)
0 30 12 476 0 1 1 0 11 1 1 2 1 1 0 0
counts
Homopolymer length
Number of repeat units
Microhomology length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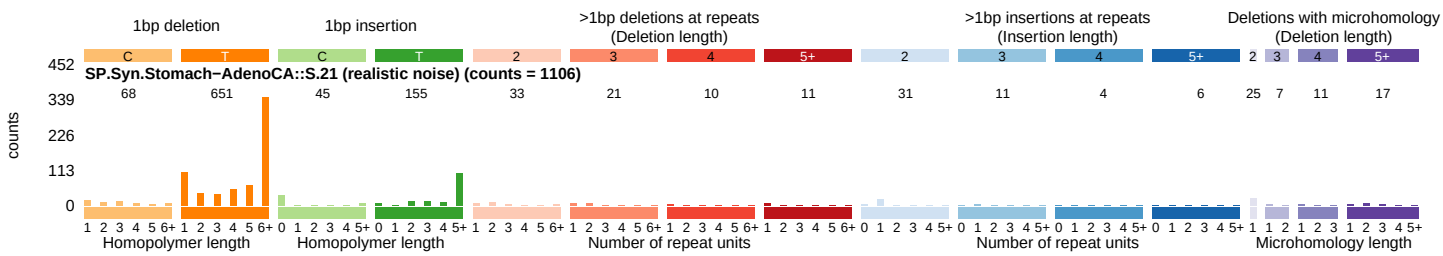
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.20 (realistic noise) (counts = 902)
37 371 14 279 10 5 3 8 8 3 1 7 2 2 2 150
counts
Homopolymer length
Number of repeat units
Microhomology length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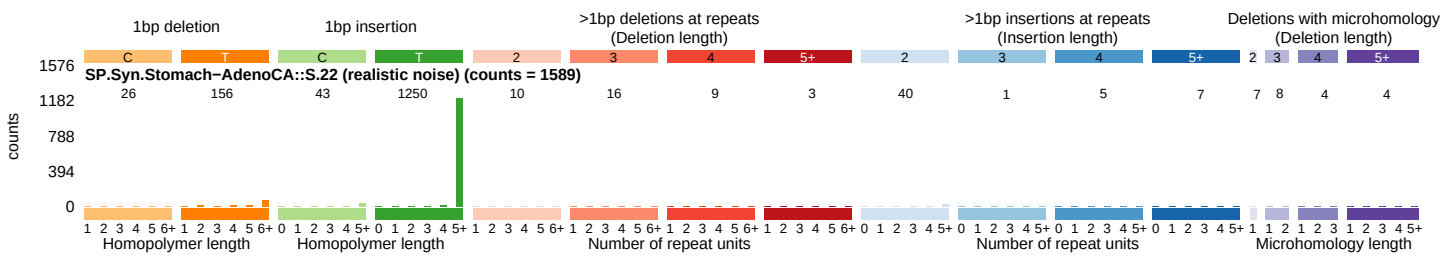
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.21 (realistic noise) (counts = 1106)
68 651 45 155 33 21 10 11 31 11 4 6 25 7 11 17
counts
Homopolymer length
Number of repeat units
Microhomology length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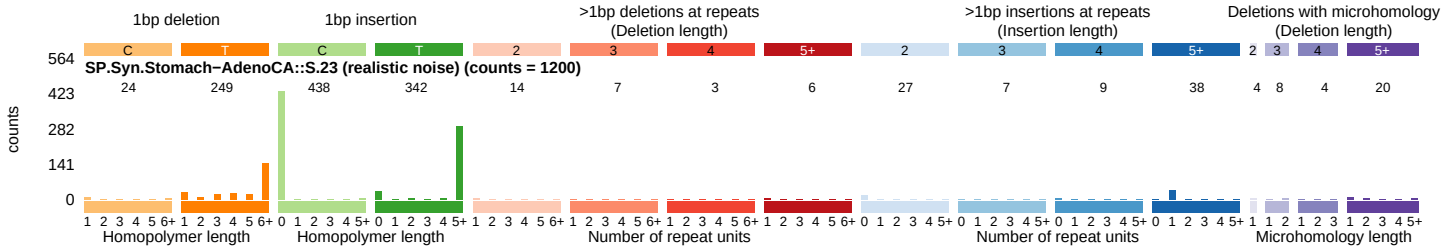
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.22 (realistic noise) (counts = 1589)
26 156 43 1250 10 16 9 3 40 1 5 7 7 8 4 4
counts
Homopolymer length
Number of repeat units
Microhomology length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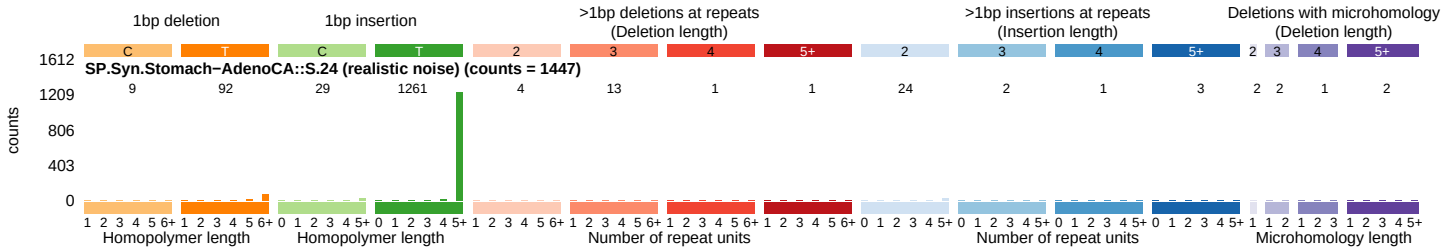
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.23 (realistic noise) (counts = 1200)
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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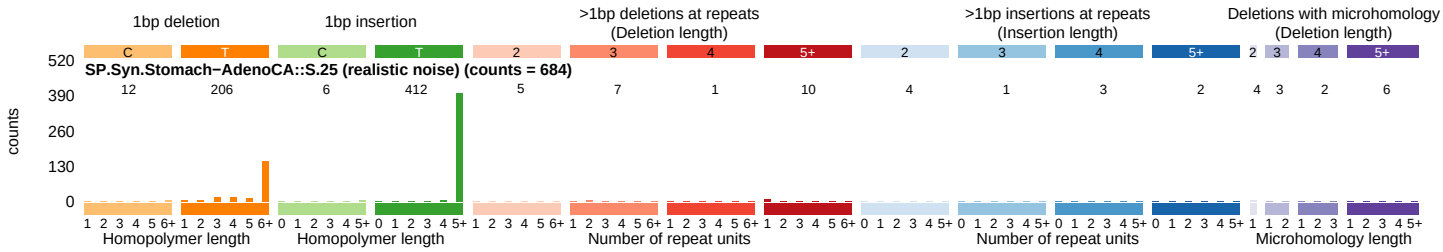
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.24 (realistic noise) (counts = 1447)
counts
Homopolymer length
Number of repeat units
Microhomology length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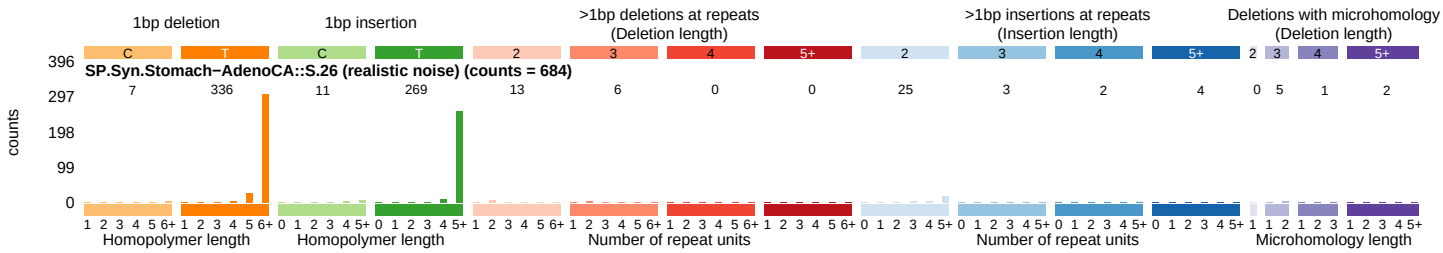
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.25 (realistic noise) (counts = 684)
counts
Homopolymer length
Number of repeat units
Microhomology length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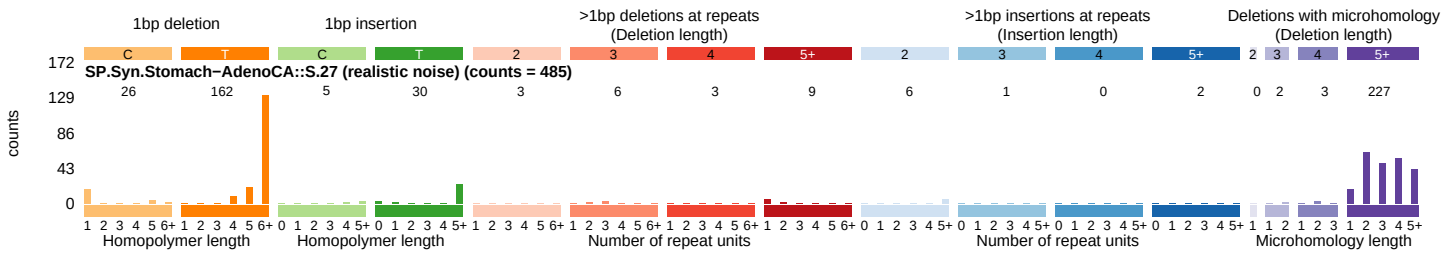
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.26 (realistic noise) (counts = 684)
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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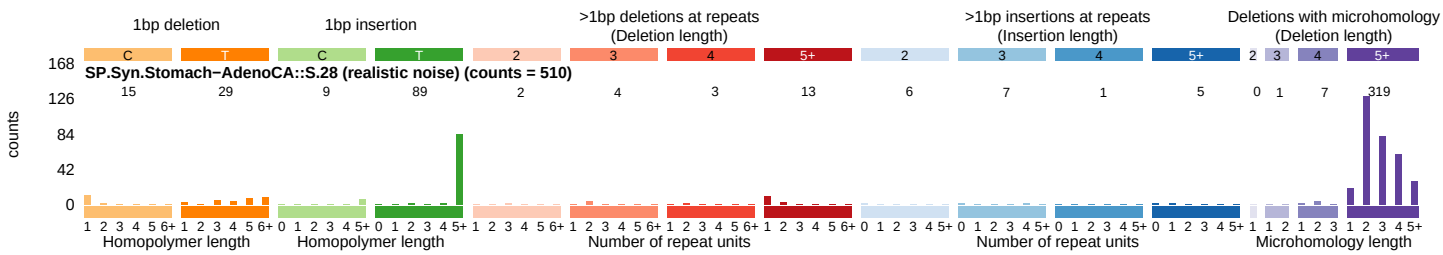
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.27 (realistic noise) (counts = 485)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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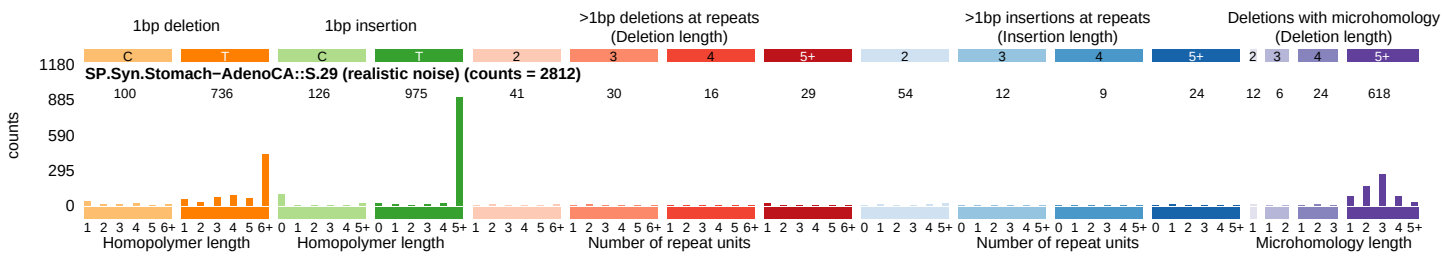
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.28 (realistic noise) (counts = 510)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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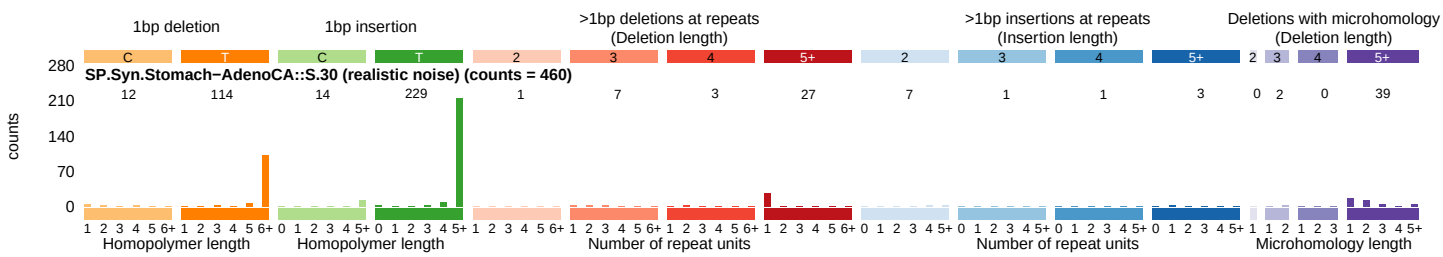
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.29 (realistic noise) (counts = 2812)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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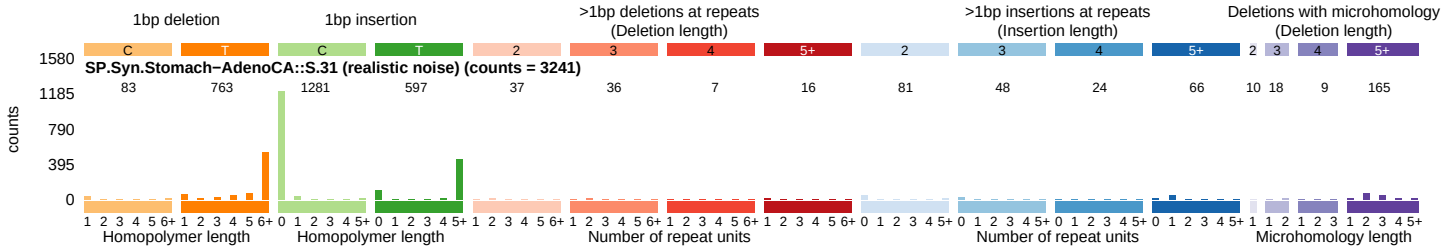
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.30 (realistic noise) (counts = 460)
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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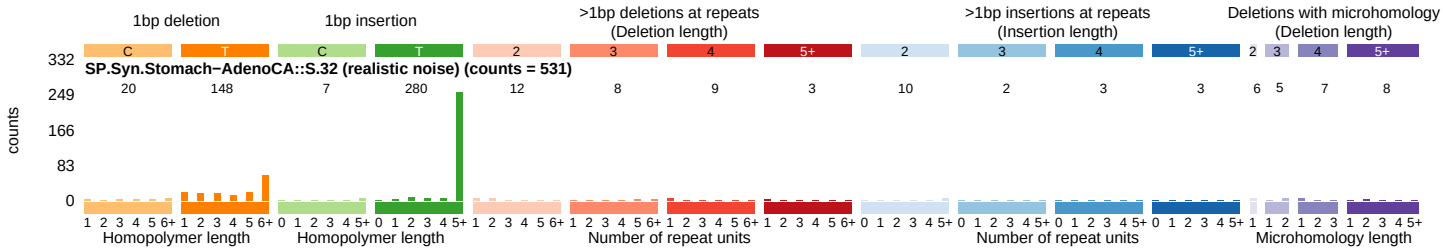
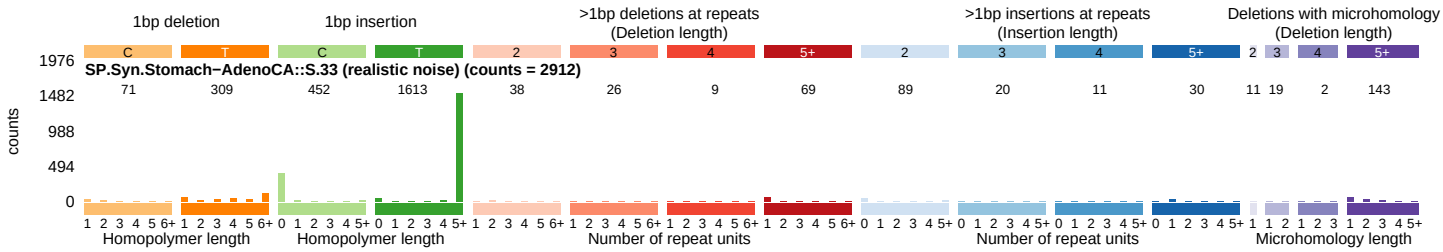
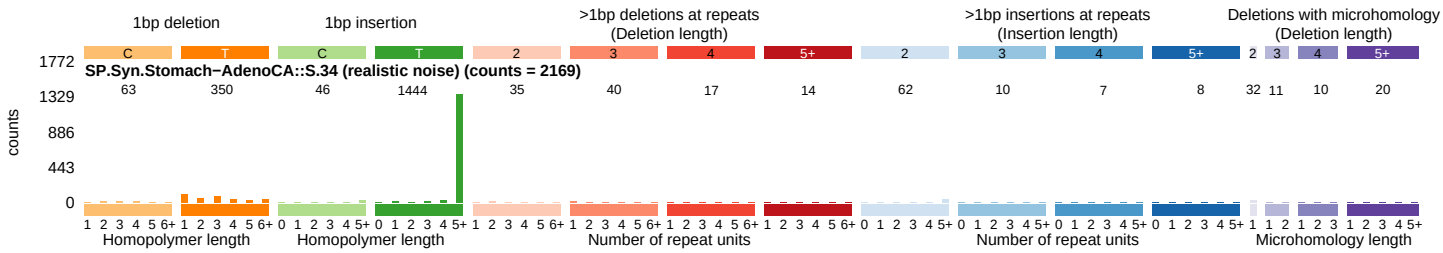
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.31 (realistic noise) (counts = 3241)
83 763 1281 597 37 36 7 16 81 48 24 66 10 18 9 165
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.32 (realistic noise) (counts = 531)
20 148 7 280 12 8 9 3 10 2 3 3 6 5 7 8
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.33 (realistic noise) (counts = 2912)
71 309 452 1613 38 26 9 69 89 20 11 30 11 19 2 143
counts
Homopolymer length
Number of repeat units
Microhomology length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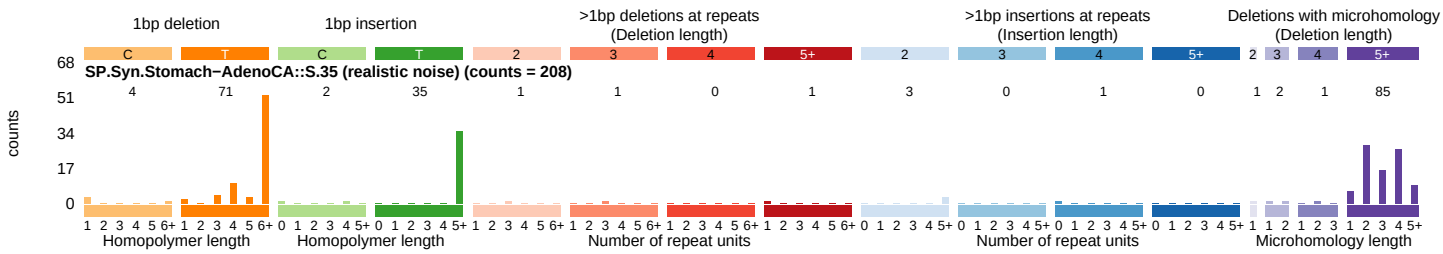
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.34 (realistic noise) (counts = 2169)
63 350 46 1444 35 40 17 14 62 10 7 8 32 11 10 20
counts
Homopolymer length
Number of repeat units
Microhomology length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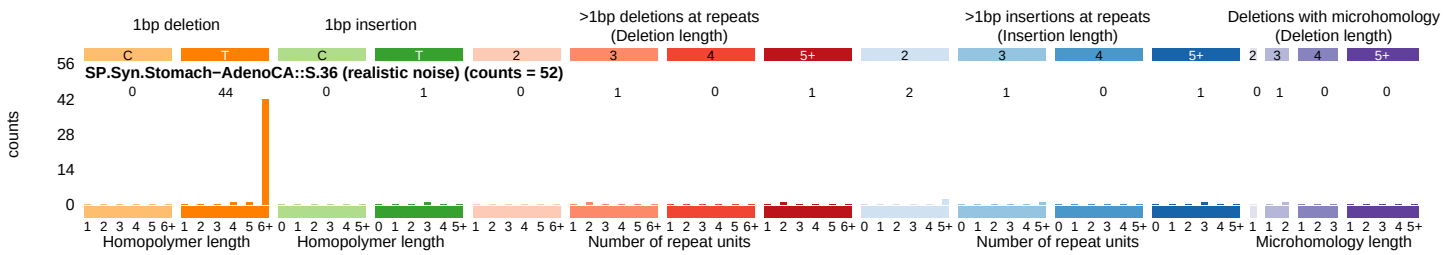
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.35 (realistic noise) (counts = 208)
4 71 2 35 1 1 0 1 3 0 1 0 1 2 1 85
counts
Homopolymer length
Number of repeat units
Microhomology length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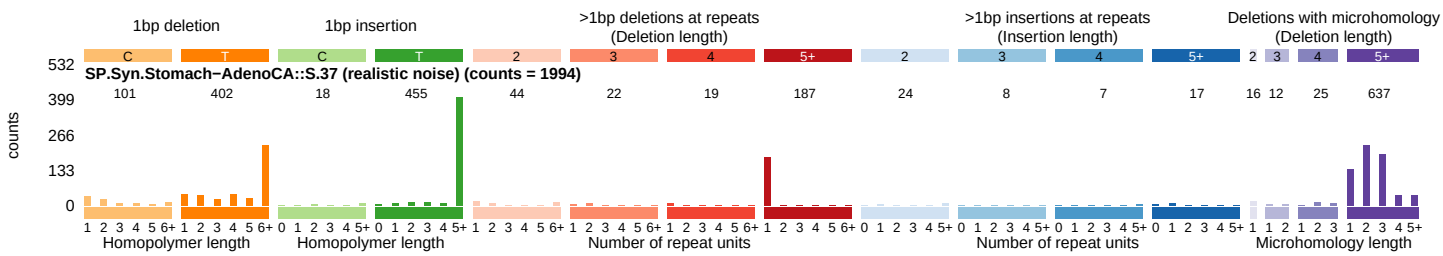
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.36 (realistic noise) (counts = 52)
0 44 0 1 0 1 0 1 2 1 0 1 0 1 0 0
counts
Homopolymer length
Number of repeat units
Microhomology length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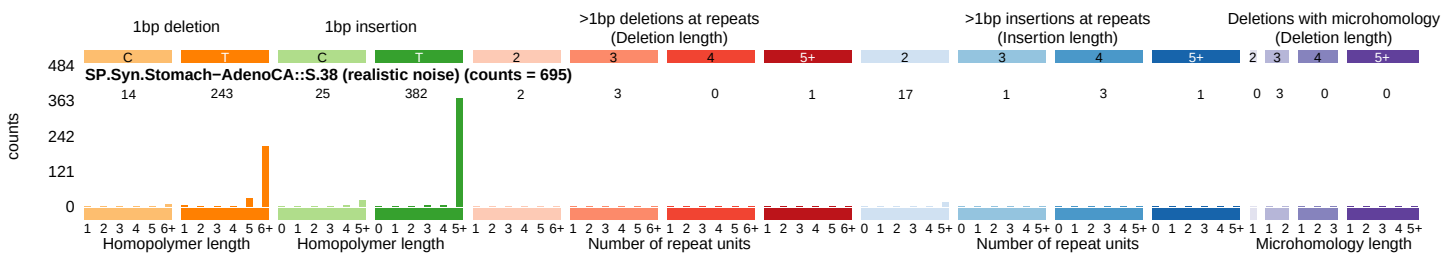
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.37 (realistic noise) (counts = 1994)
101 402 18 455 44 22 19 187 24 8 7 17 16 12 25 637
counts
Homopolymer length
Number of repeat units
Microhomology length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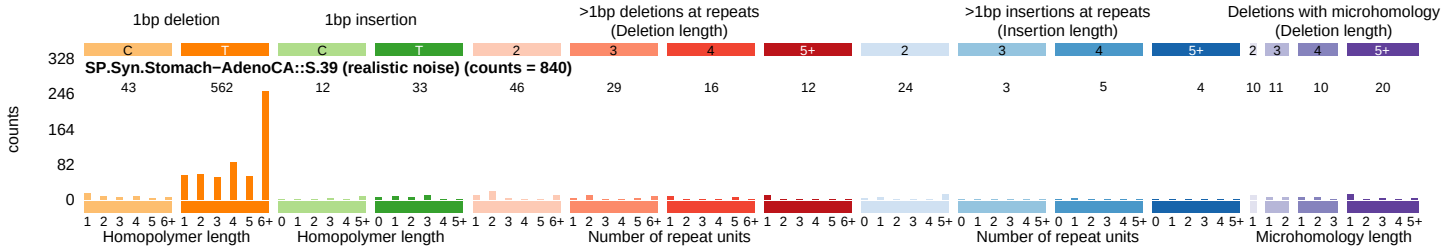
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.38 (realistic noise) (counts = 695)
14 243 25 382 2 3 0 1 17 1 3 1 0 3 0 0
counts
Homopolymer length
Number of repeat units
Microhomology length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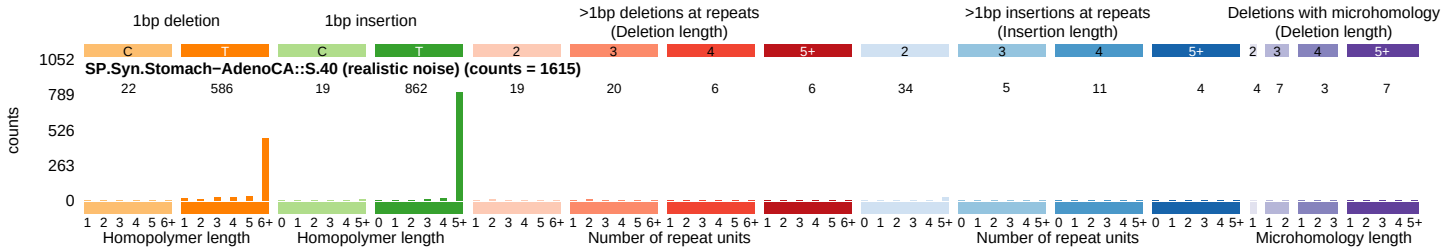
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.39 (realistic noise) (counts = 840)
43 562 12 33 46 29 16 12 24 3 5 4 10 11 10 20
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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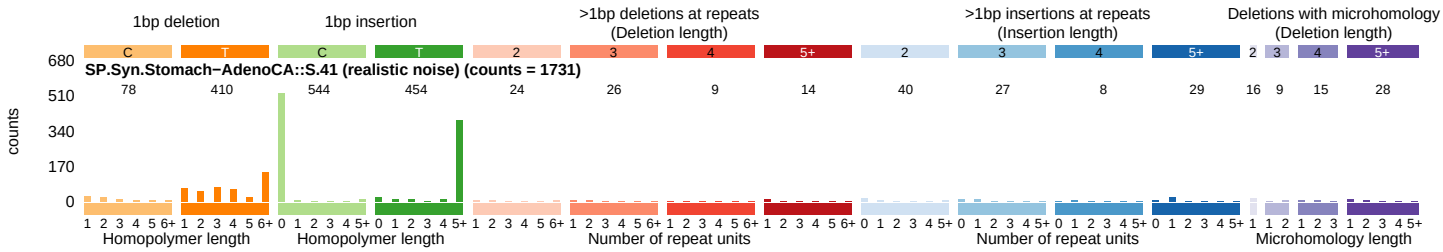
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.40 (realistic noise) (counts = 1615)
22 586 19 862 19 20 6 6 34 5 11 4 4 7 3 7
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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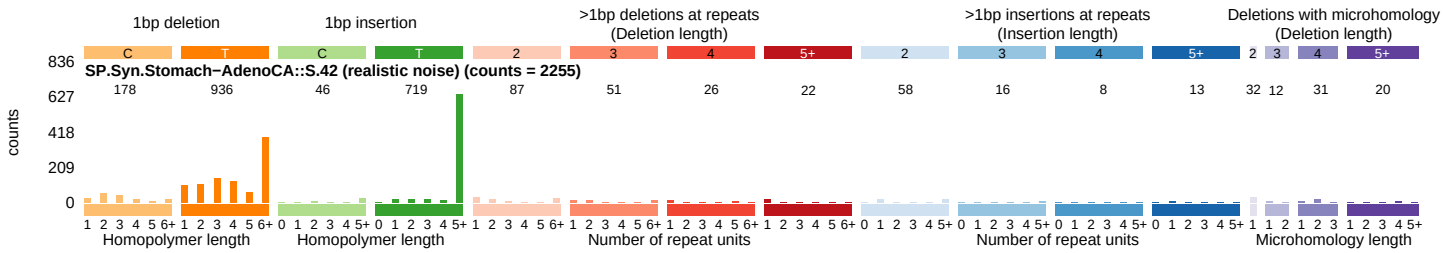
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.41 (realistic noise) (counts = 1731)
78 410 544 454 24 26 9 14 40 27 8 29 16 9 15 28
counts
Homopolymer length
Number of repeat units
Microhomology length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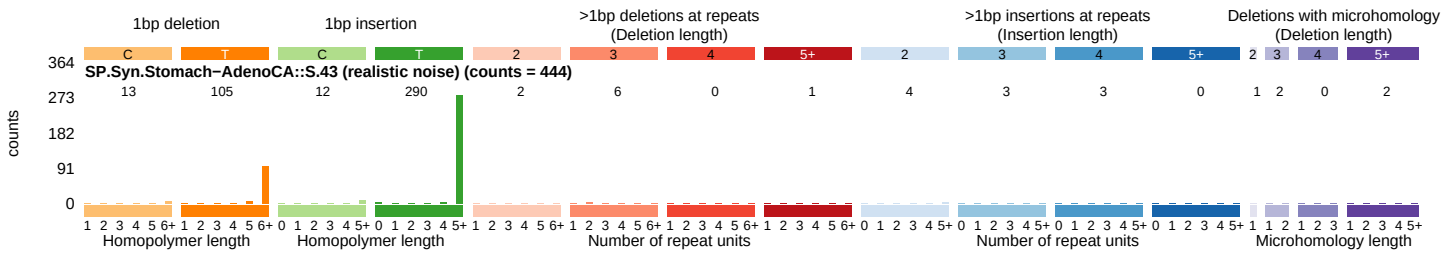
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.42 (realistic noise) (counts = 2255)
178 936 46 719 87 51 26 22 58 16 8 13 32 12 31 20
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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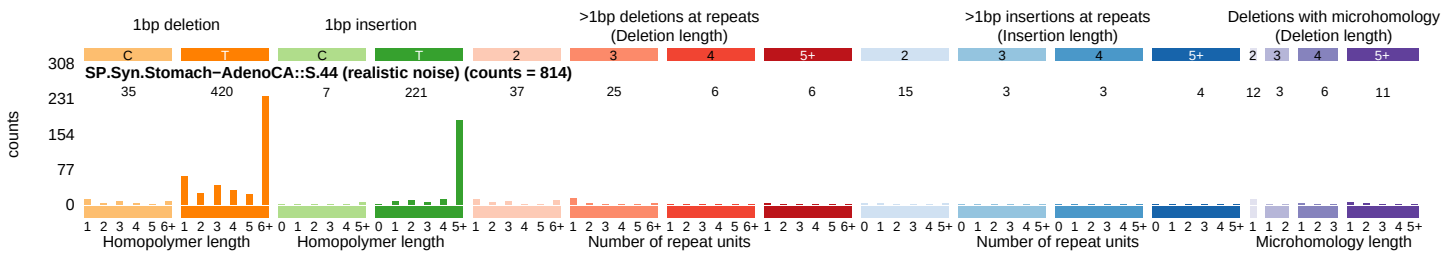
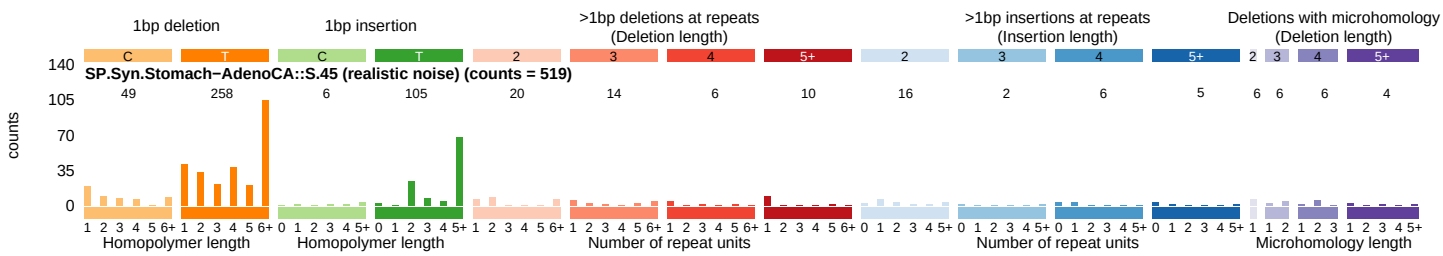
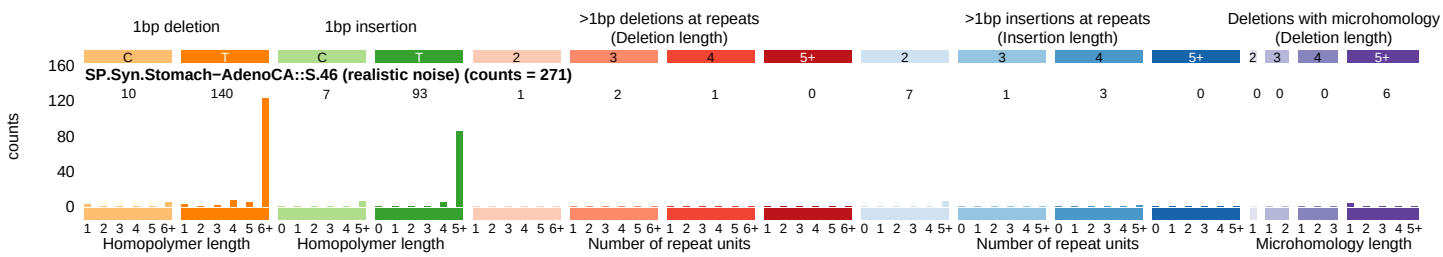
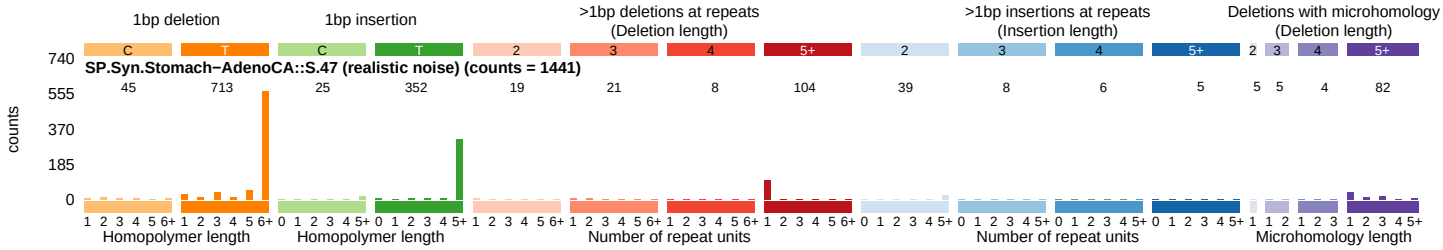
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.43 (realistic noise) (counts = 444)
13 105 12 290 2 6 0 1 4 3 3 0 1 2 0 2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.44 (realistic noise) (counts = 814)
35 420 7 221 37 25 6 6 15 3 3 4 12 3 6 11
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.45 (realistic noise) (counts = 519)
49 258 6 105 20 14 6 10 16 2 6 5 6 6 6 4
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.46 (realistic noise) (counts = 271)
10 140 7 93 1 2 1 0 7 1 3 0 0 0 0 6
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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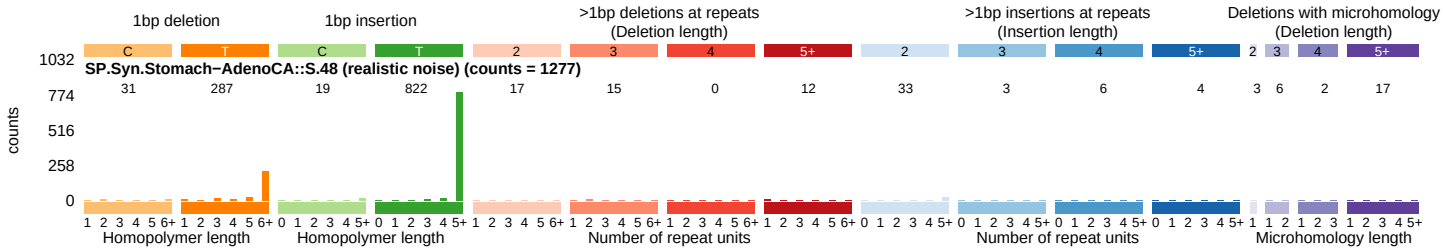
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.47 (realistic noise) (counts = 1441)
counts
Homopolymer length
Number of repeat units
Microhomology length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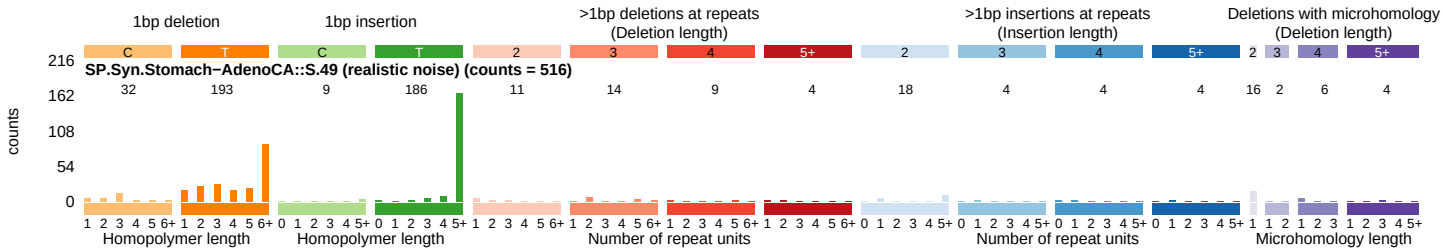
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.48 (realistic noise) (counts = 1277)
counts
Homopolymer length
Number of repeat units
Microhomology length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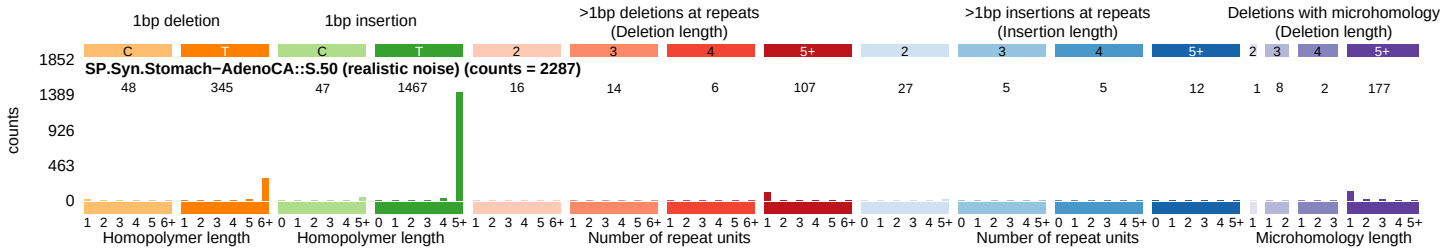
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.49 (realistic noise) (counts = 516)
counts
Homopolymer length
Number of repeat units
Microhomology length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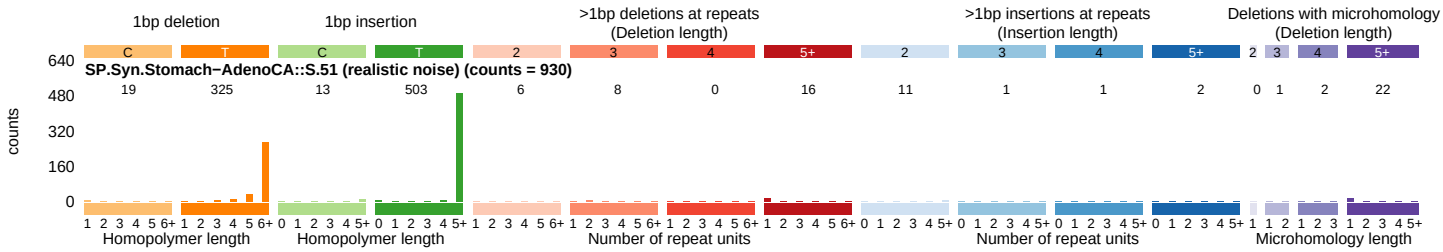
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.50 (realistic noise) (counts = 2287)
counts
Homopolymer length
Number of repeat units
Microhomology length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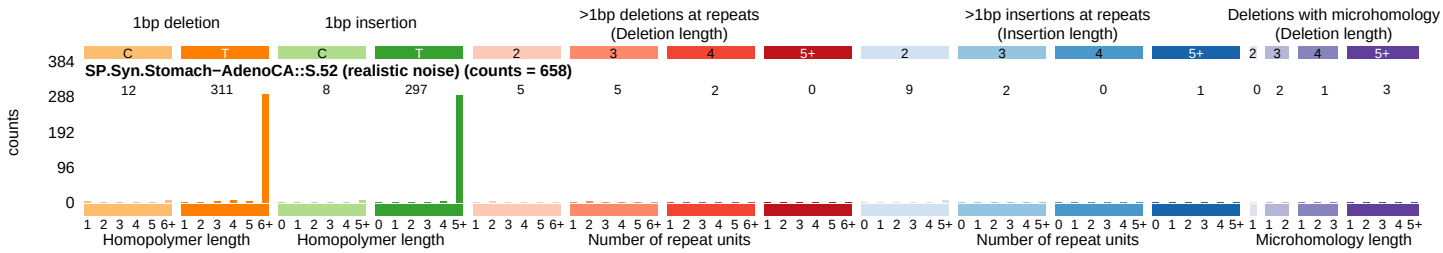
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.51 (realistic noise) (counts = 930)
counts
Homopolymer length
Number of repeat units
Microhomology length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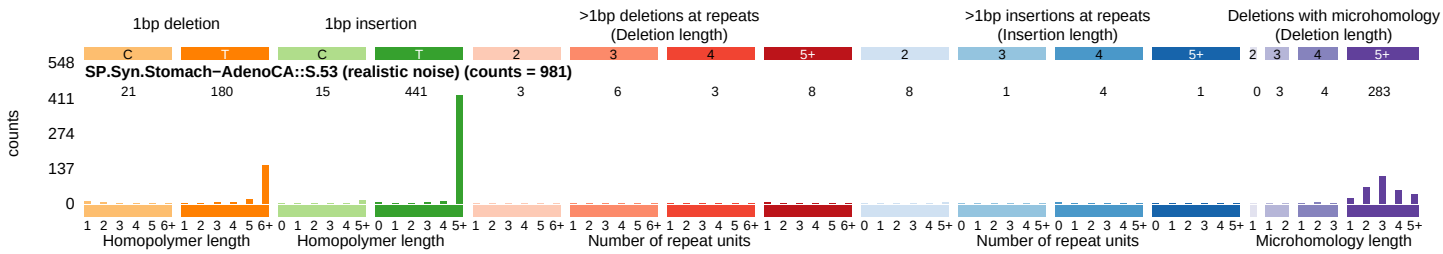
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.52 (realistic noise) (counts = 658)
counts
Homopolymer length
Number of repeat units
Microhomology length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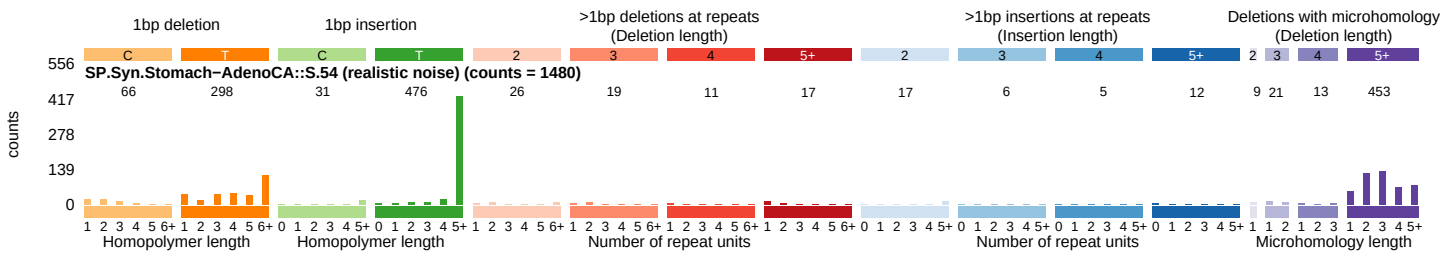
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.53 (realistic noise) (counts = 981)
counts
Homopolymer length
Number of repeat units
Microhomology length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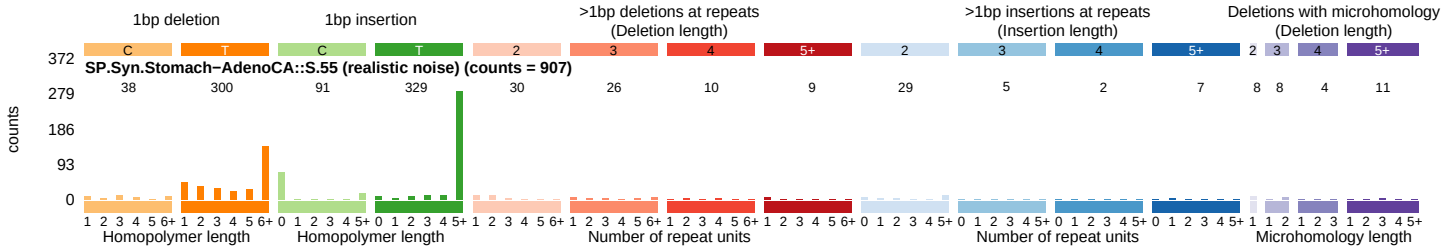
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.54 (realistic noise) (counts = 1480)
counts
Homopolymer length
Number of repeat units
Microhomology length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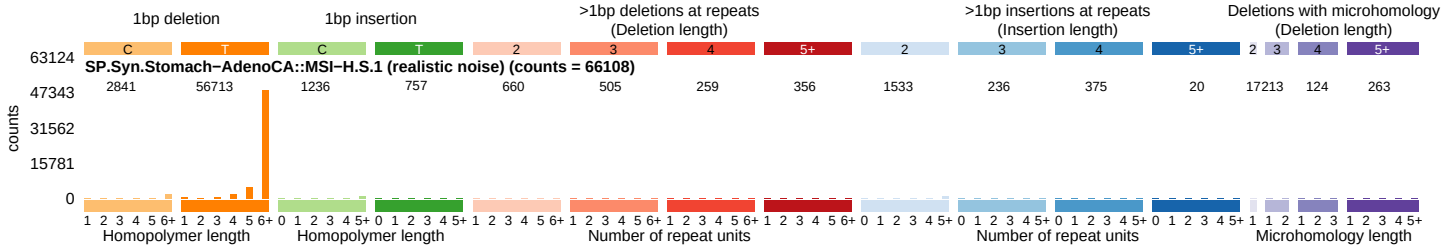
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::S.55 (realistic noise) (counts = 907)
38 300 91 329 30 26 10 9 29 5 2 7 8 8 4 11
counts
Homopolymer length
Number of repeat units
Microhomology length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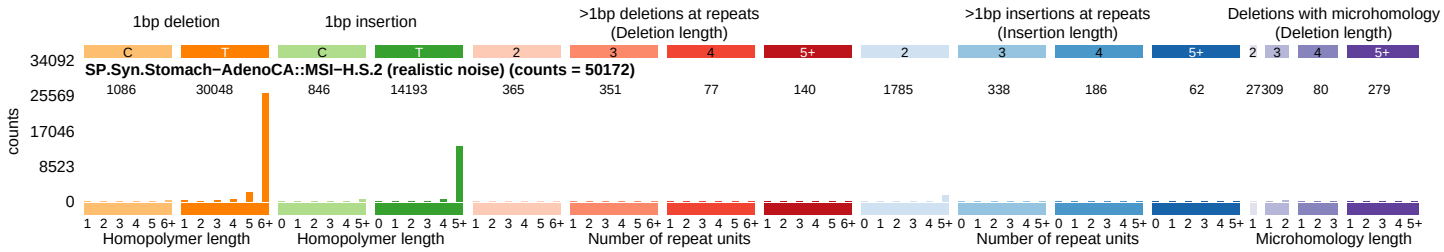
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::MSI−H.S.1 (realistic noise) (counts = 66108)
2841 56713 1236 757 660 505 259 356 1533 236 375 20 17213 124 263
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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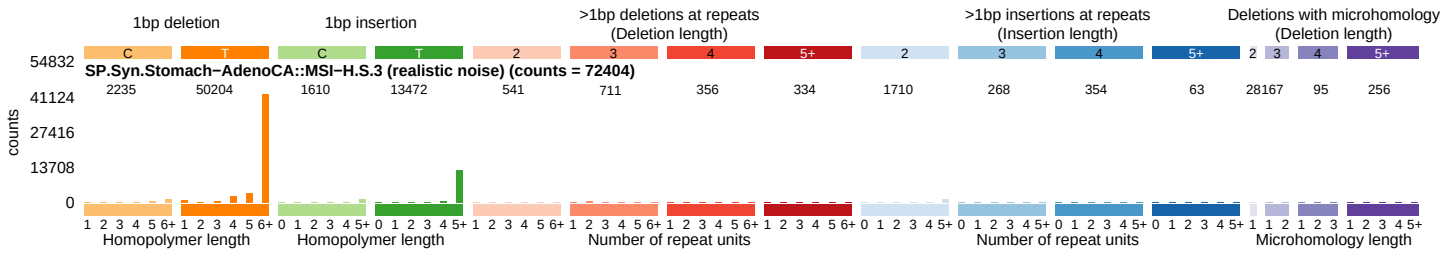
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::MSI−H.S.2 (realistic noise) (counts = 50172)
1086 30048 846 14193 365 351 77 140 1785 338 186 62 27309 80 279
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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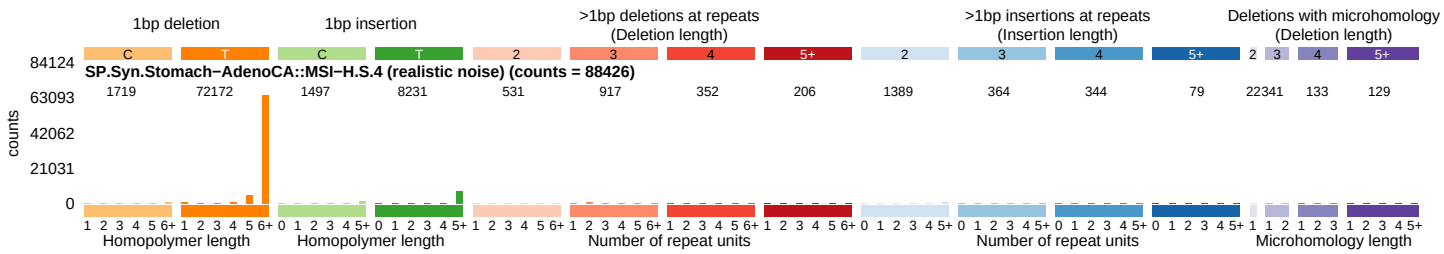
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::MSI−H.S.3 (realistic noise) (counts = 72404)
2235 50204 1610 13472 541 711 356 334 1710 268 354 63 28167 95 256
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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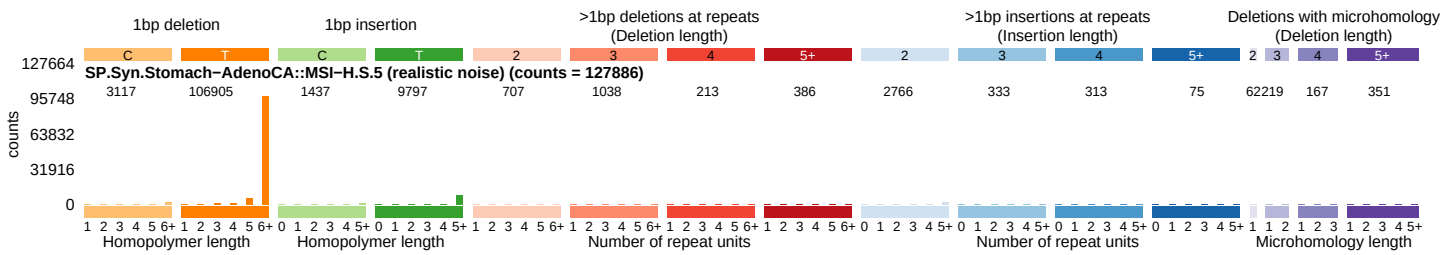
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::MSI−H.S.4 (realistic noise) (counts = 88426)
1719 72172 1497 8231 531 917 352 206 1389 364 344 79 22341 133 129
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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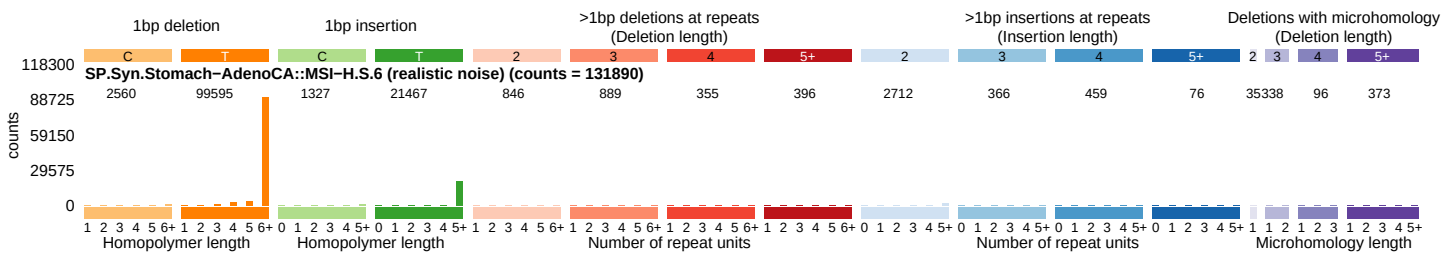
Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::MSI−H.S.5 (realistic noise) (counts = 127886)
3117 106905 1437 9797 707 1038 213 386 2766 333 313 75 62219 167 351
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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Deletions with microhomology (Deletion length)
SP.Syn.Stomach−AdenoCA::MSI−H.S.6 (realistic noise) (counts = 131890)
2560 99595 1327 21467 846 889 355 396 2712 366 459 76 35338 96 373
counts
Homopolymer length
Number of repeat units
Microhomology length