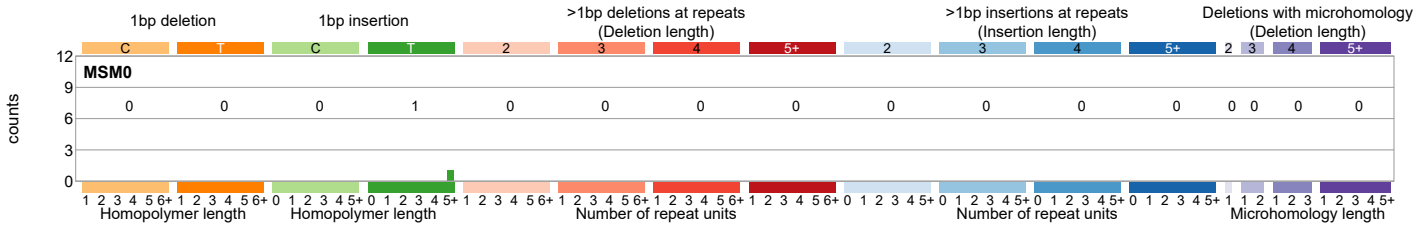
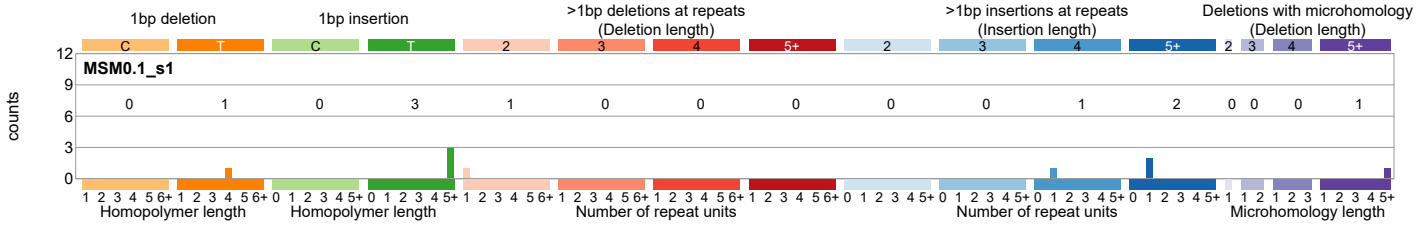
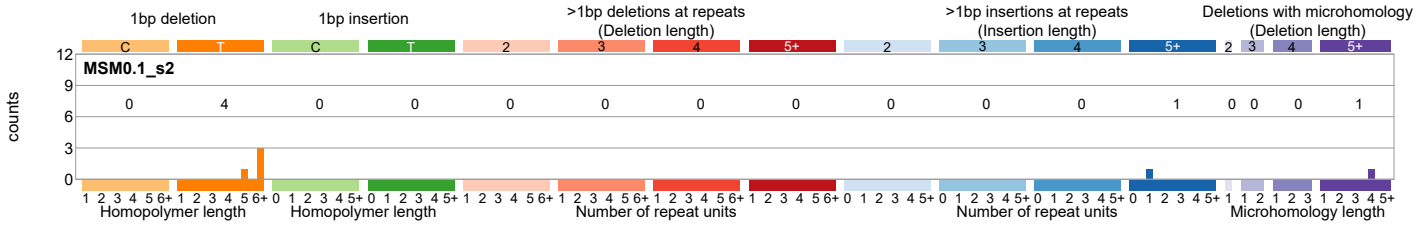
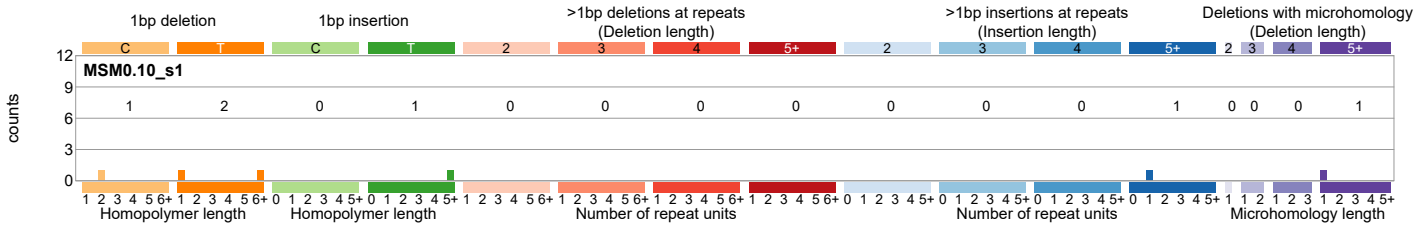

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0
0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
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+
MSM0.1_s1
0 1 0 3 1 0 0 0 0 0 1 2 0 0 0 1
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+
MSM0.1_s2
0 4 0 0 0 0 0 0 0 0 0 1 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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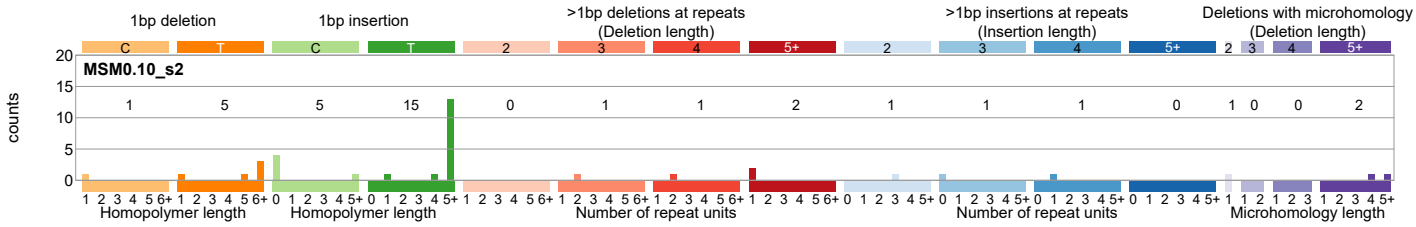
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.10_s1
1 2 0 1 0 0 0 0 0 0 0 1 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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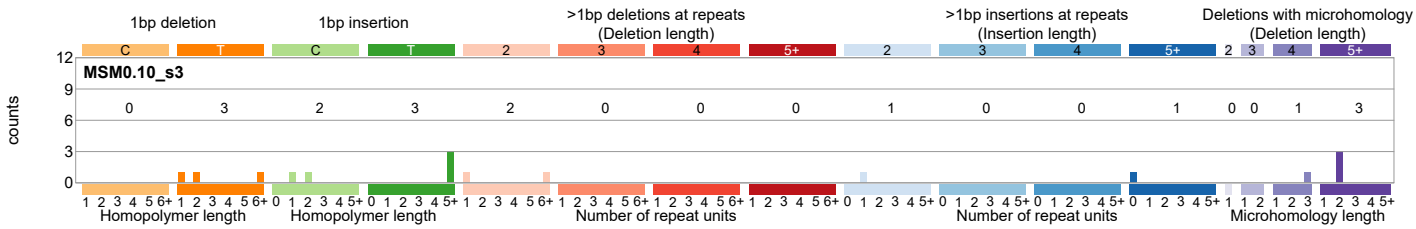
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.10_s2
1 5 5 15 0 1 1 2 1 1 1 0 1 0 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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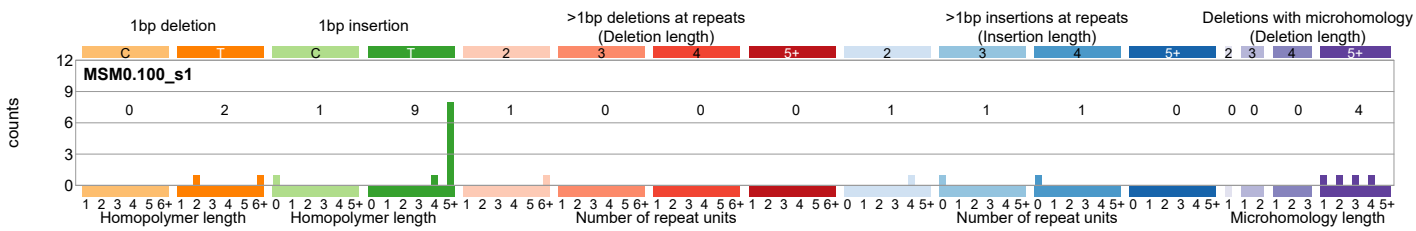
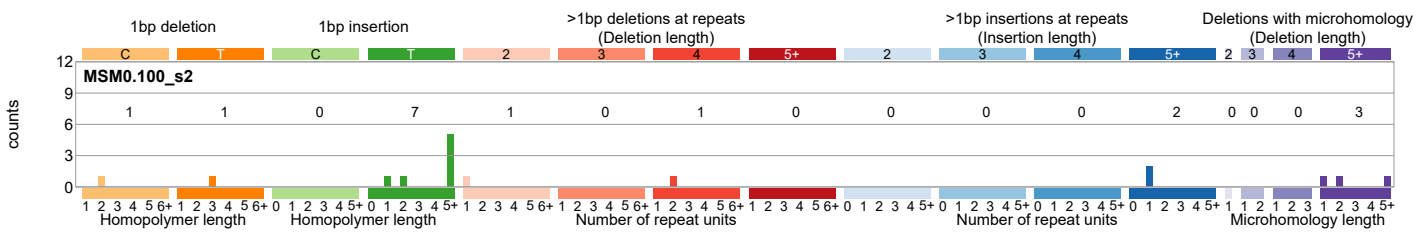
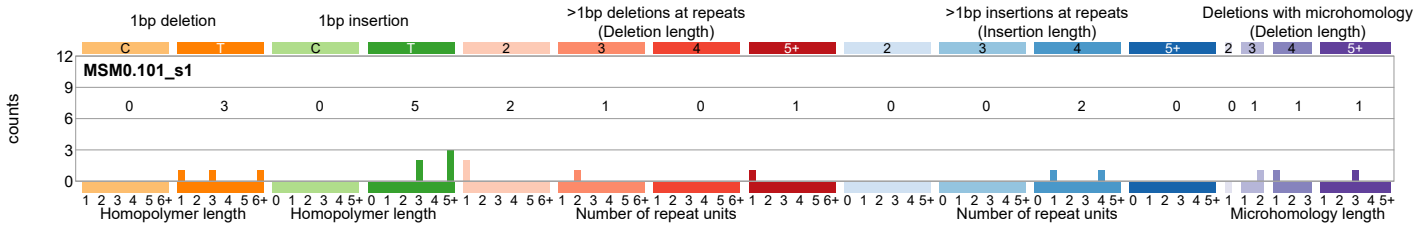
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.10_s3
0 3 2 3 2 0 0 0 1 0 0 1 0 0 1 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number 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+
MSM0.100_s1
0 2 1 9 1 0 0 0 1 1 1 0 0 0 0 4
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+
MSM0.100_s2
1 1 0 7 1 0 1 0 0 0 0 2 0 0 0 3
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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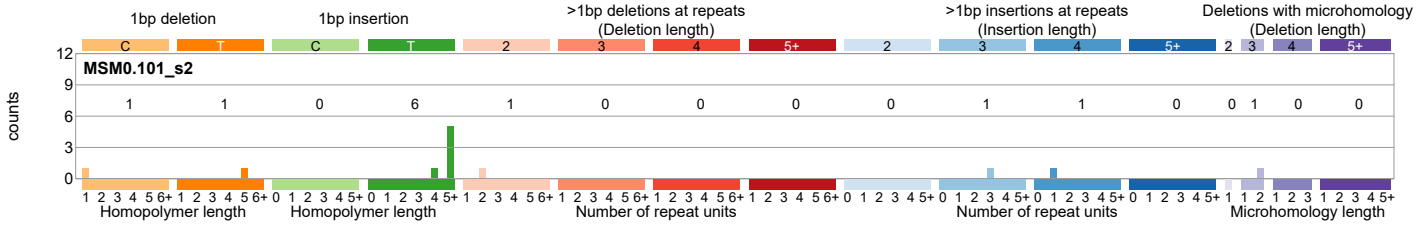
Deletions with microhomology (Deletion length)
MSM0.101_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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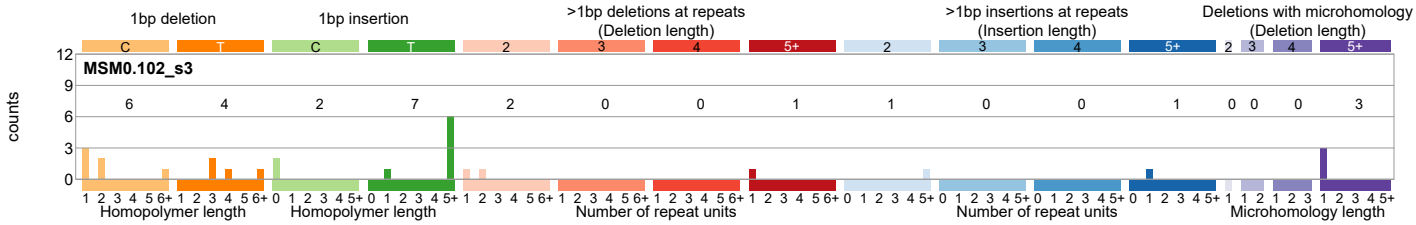
Deletions with microhomology (Deletion length)
MSM0.101_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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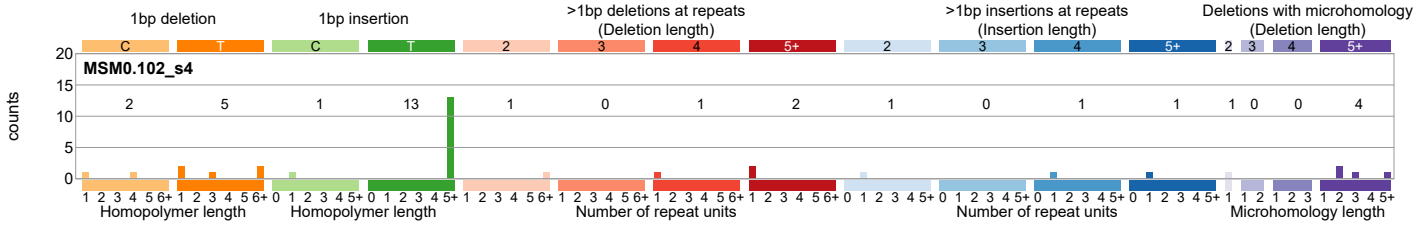
Deletions with microhomology (Deletion length)
MSM0.102_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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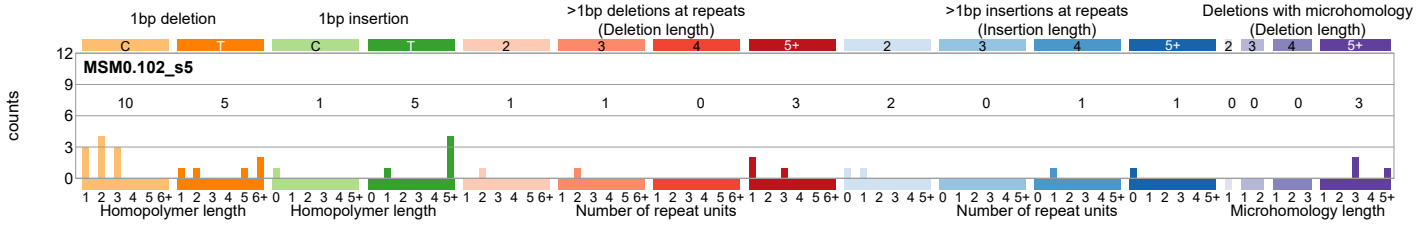
Deletions with microhomology (Deletion length)
MSM0.102_s4
counts
Homopolymer length
Number of repeat units
Microhomology length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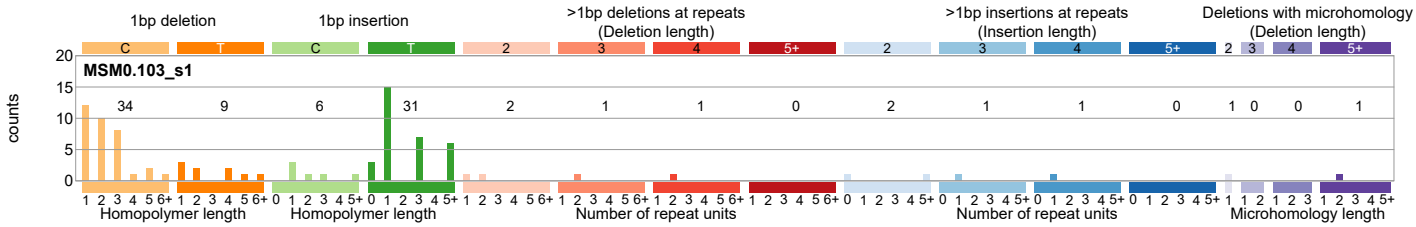
Deletions with microhomology (Deletion length)
MSM0.102_s5
counts
Homopolymer length
Number of repeat units
Microhomology length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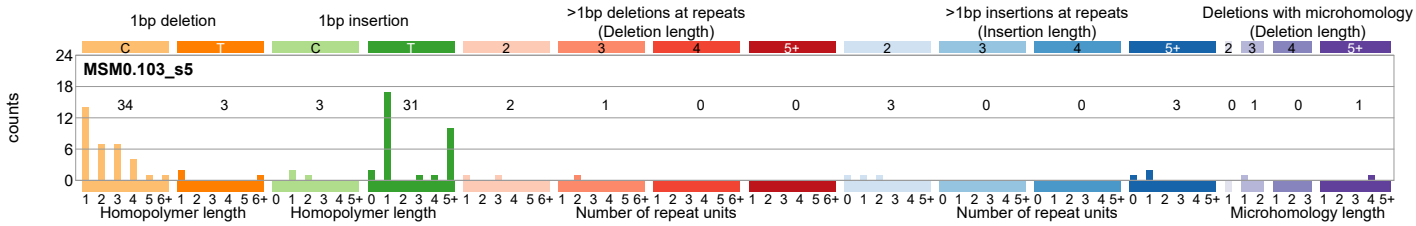
Deletions with microhomology (Deletion length)
MSM0.103_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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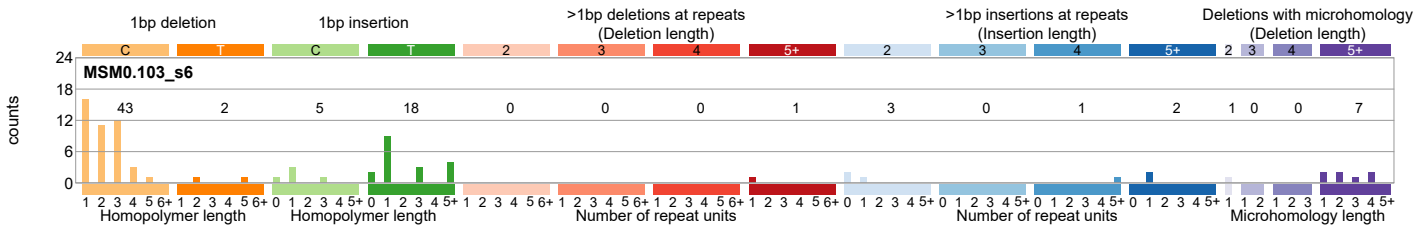
Deletions with microhomology (Deletion length)
MSM0.103_s5
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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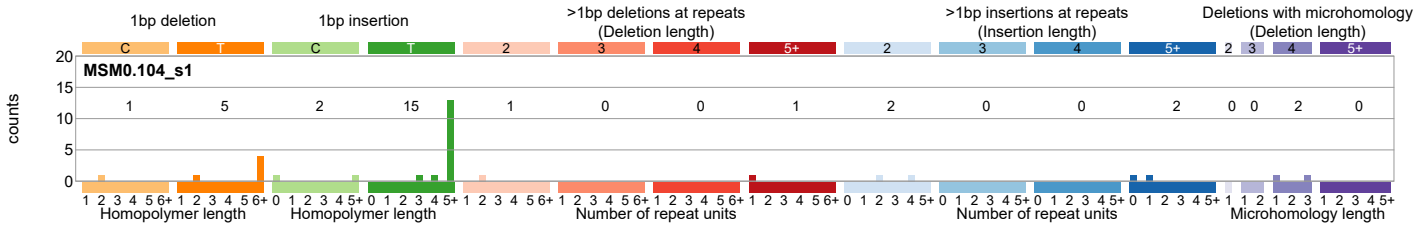
Deletions with microhomology (Deletion length)
MSM0.103_s6
counts
Homopolymer length
Number of repeat units
Microhomology length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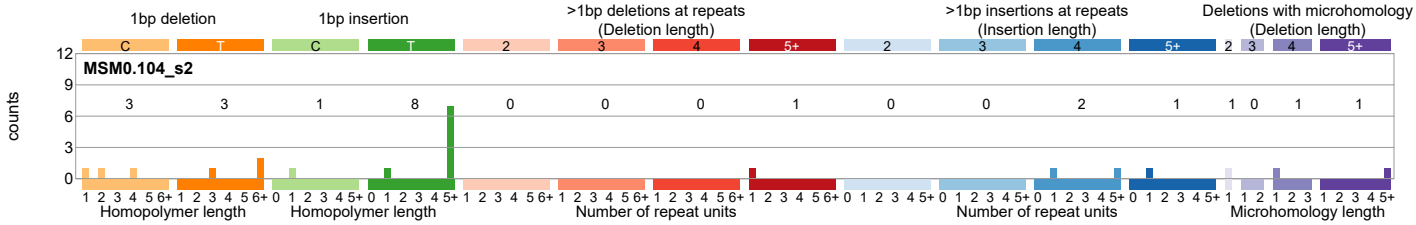
Deletions with microhomology (Deletion length)
MSM0.104_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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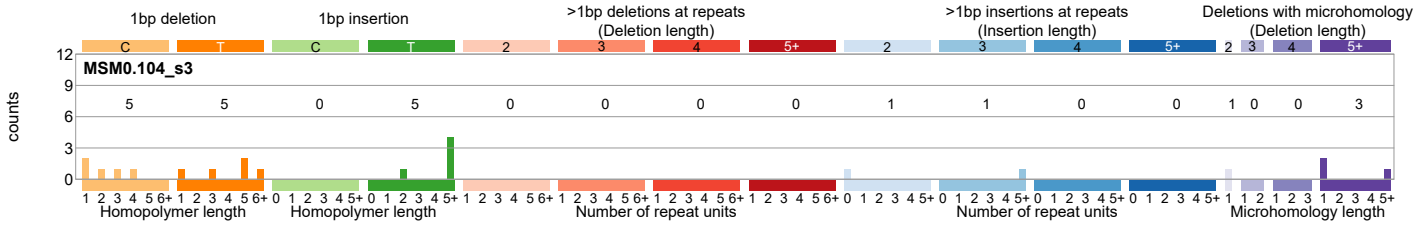
Deletions with microhomology (Deletion length)
MSM0.104_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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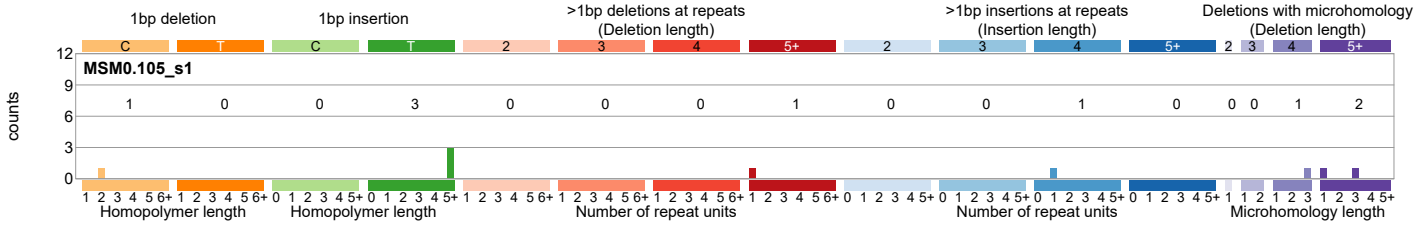
Deletions with microhomology (Deletion length)
MSM0.104_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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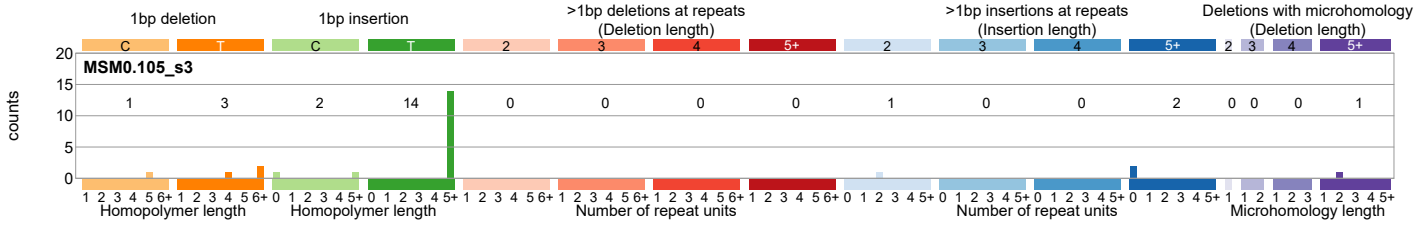
Deletions with microhomology (Deletion length)
MSM0.105_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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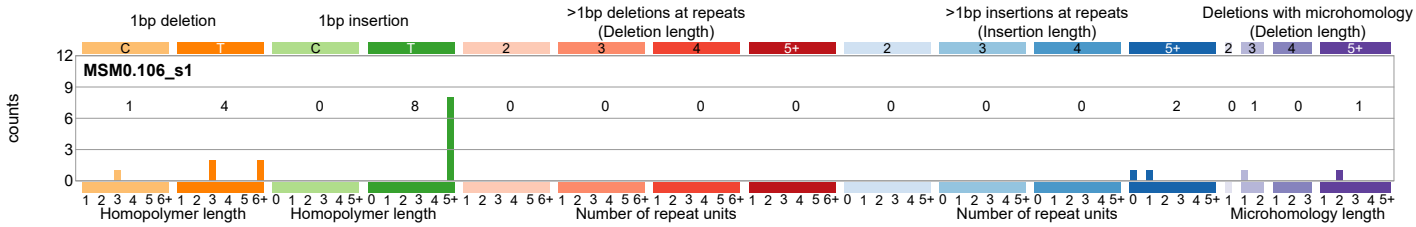
Deletions with microhomology (Deletion length)
MSM0.105_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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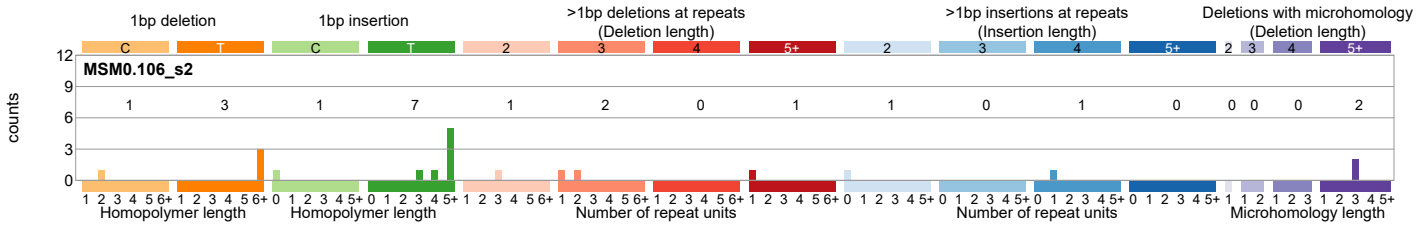
Deletions with microhomology (Deletion length)
MSM0.106_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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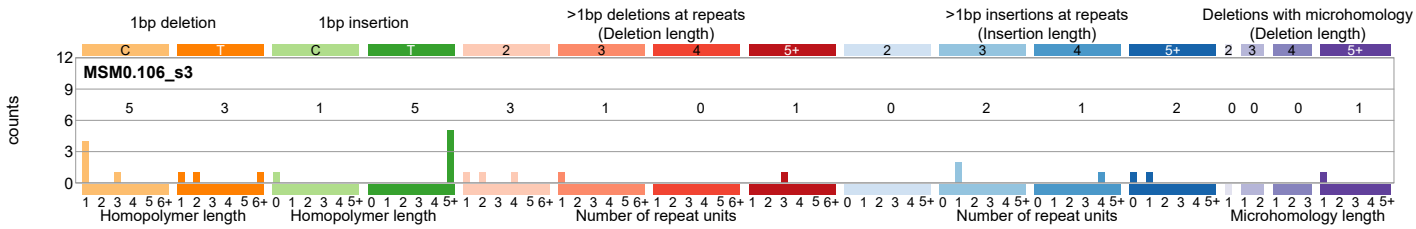
Deletions with microhomology (Deletion length)
MSM0.106_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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Deletions with microhomology (Deletion length)
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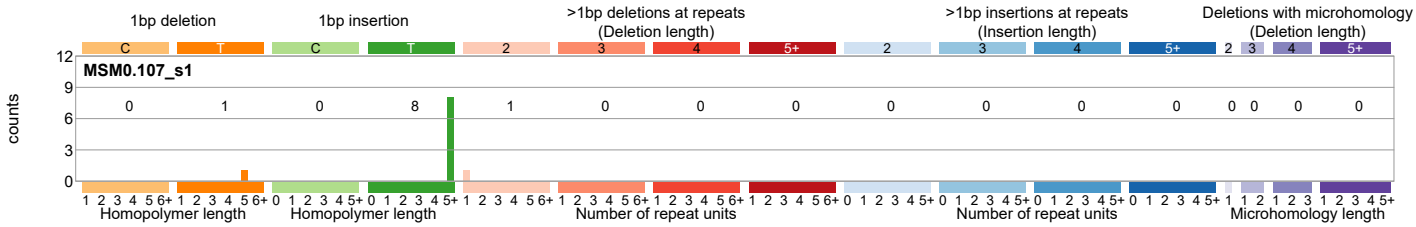
counts
Homopolymer length
Number of repeat units
Microhomology length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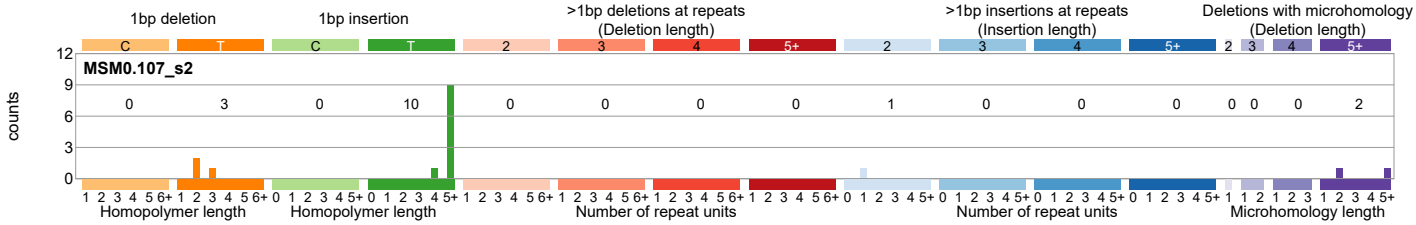
Deletions with microhomology (Deletion length)
MSM0.107_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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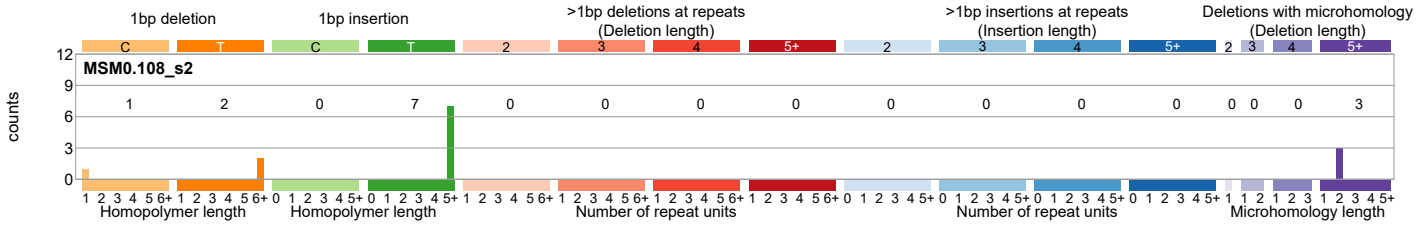
Deletions with microhomology (Deletion length)
MSM0.107_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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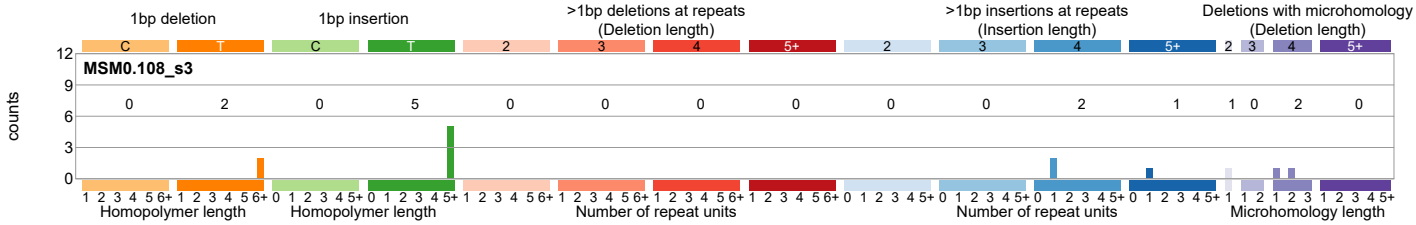
Deletions with microhomology (Deletion length)
MSM0.108_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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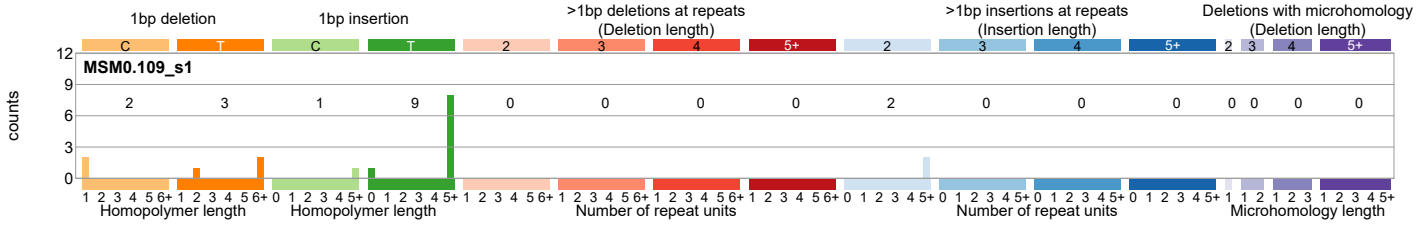
Deletions with microhomology (Deletion length)
MSM0.108_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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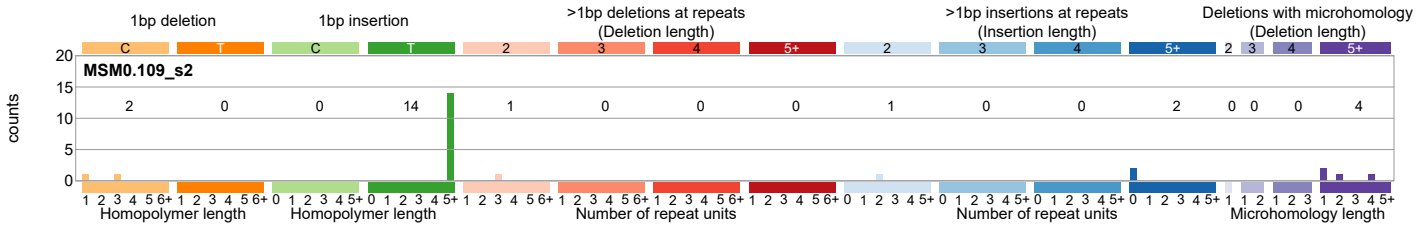
Deletions with microhomology (Deletion length)
MSM0.109_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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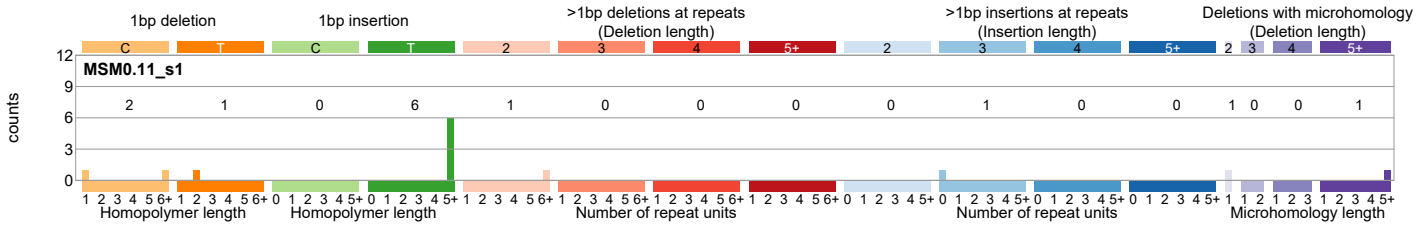
Deletions with microhomology (Deletion length)
MSM0.109_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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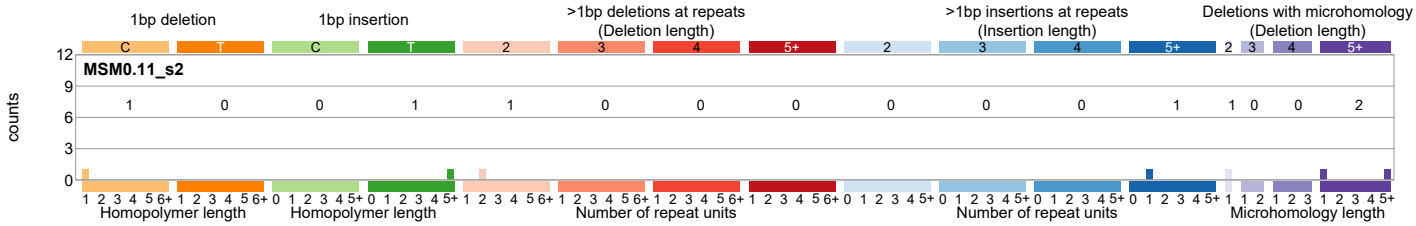
Deletions with microhomology (Deletion length)
MSM0.11_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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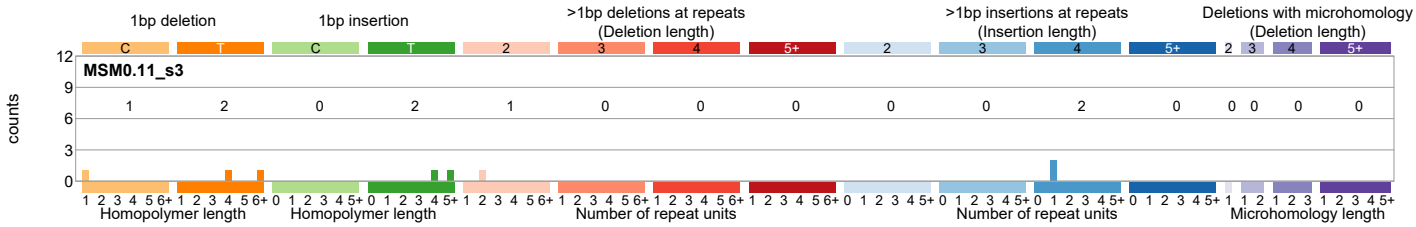
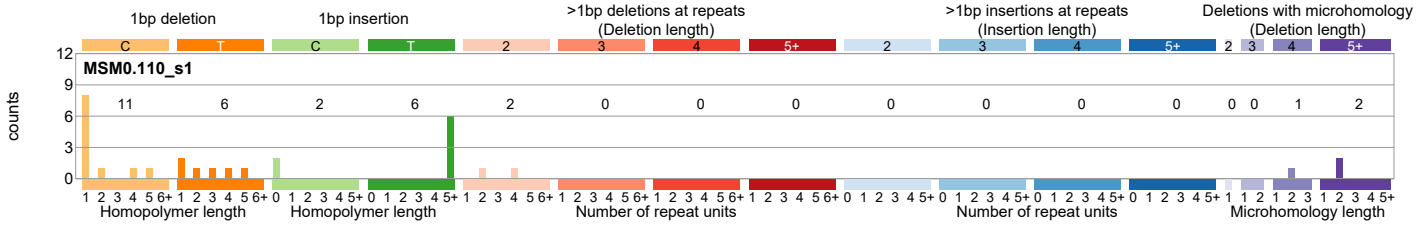
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.11_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.11_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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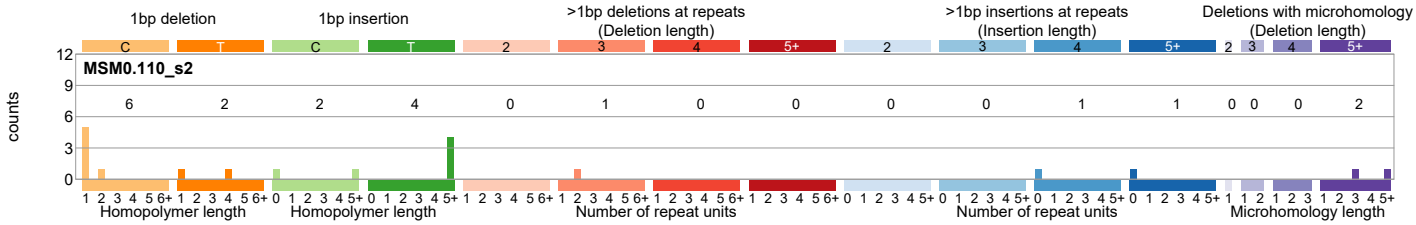
Deletions with microhomology (Deletion length)
MSM0.110_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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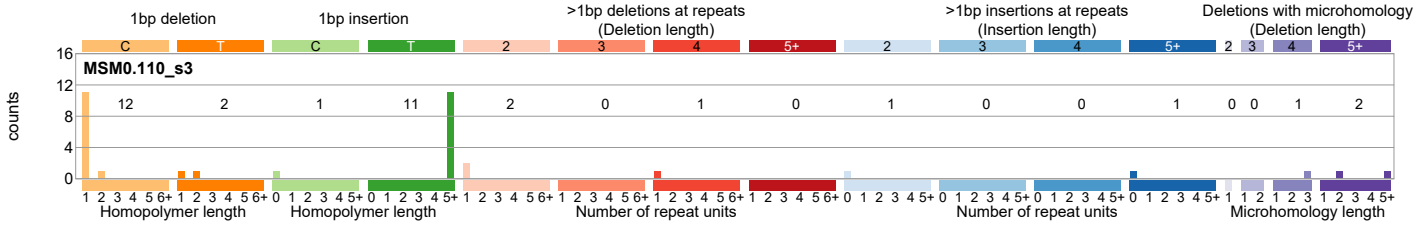
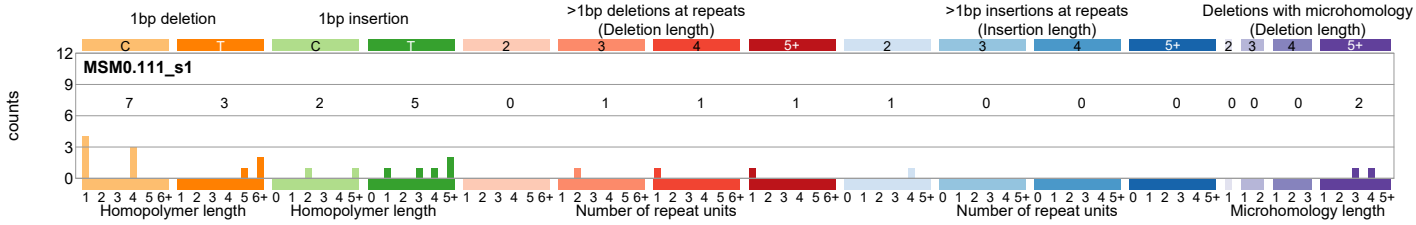
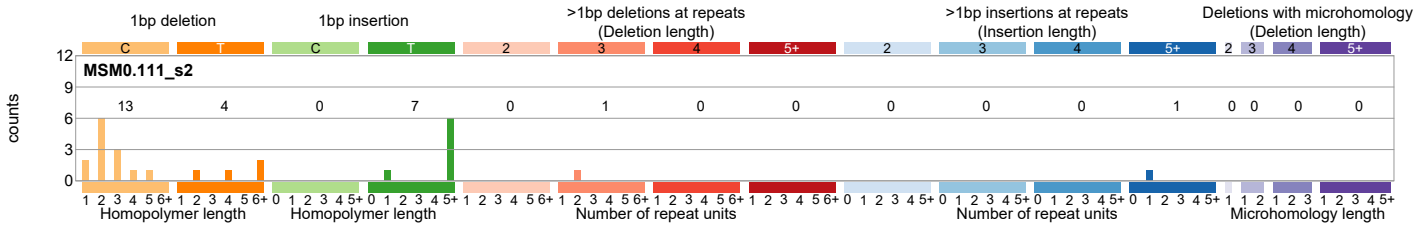
Deletions with microhomology (Deletion length)
MSM0.110_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.110_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.111_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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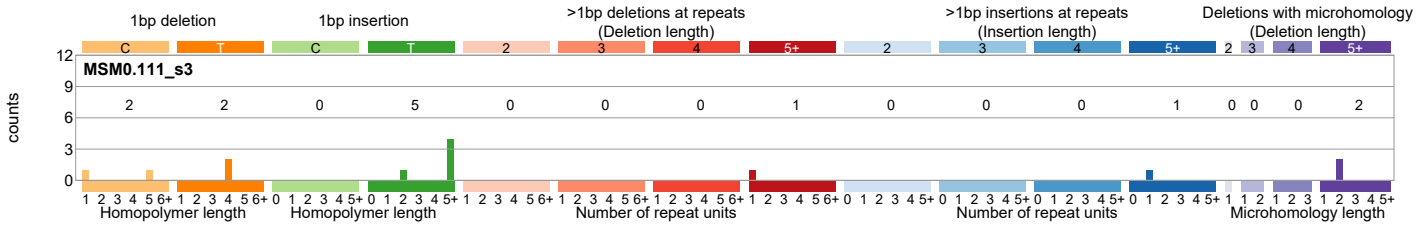
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.111_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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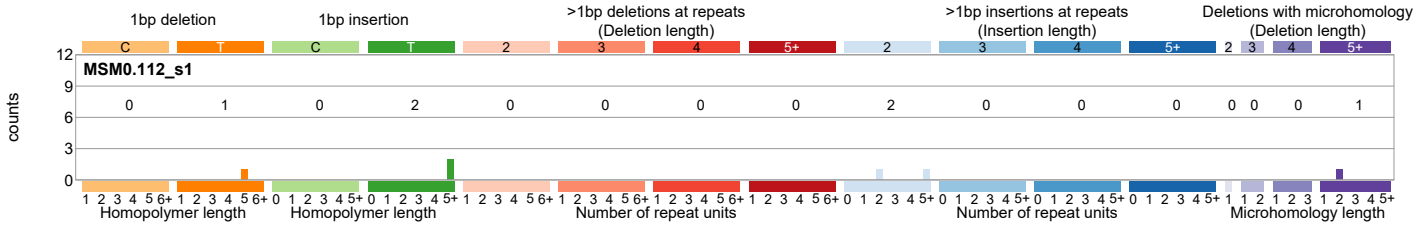
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.111_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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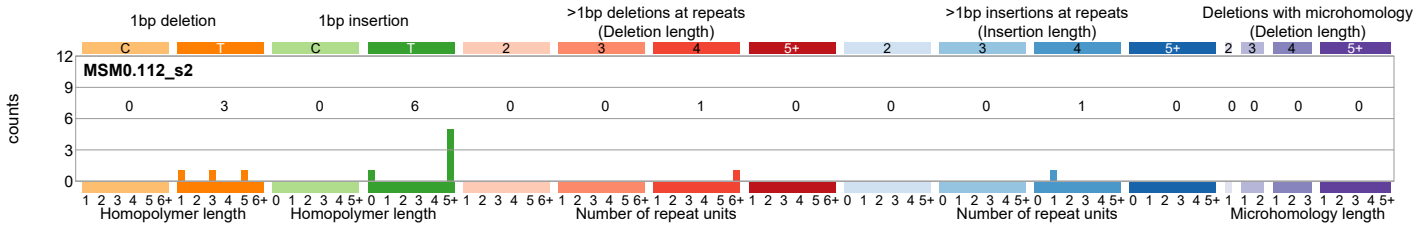
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.112_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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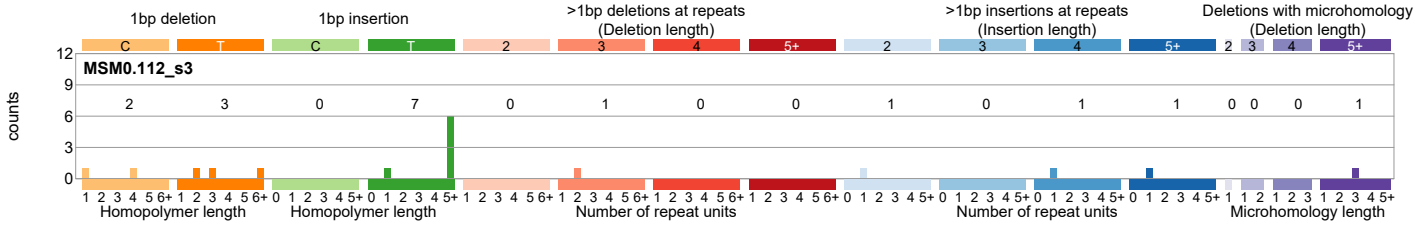
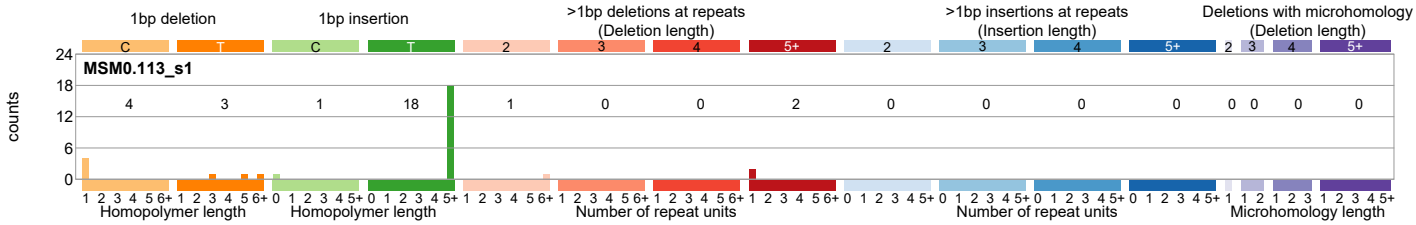
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.112_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.112_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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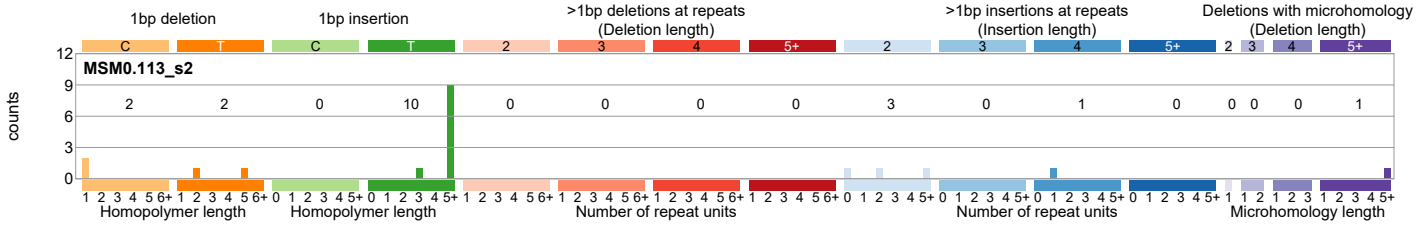
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.113_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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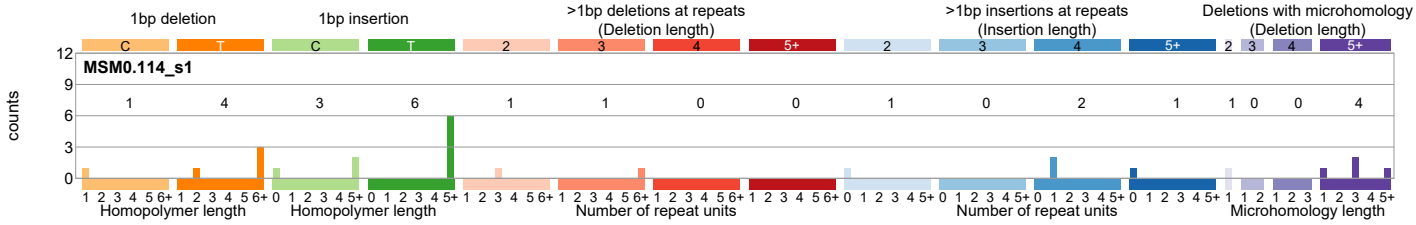
Deletions with microhomology (Deletion length)
MSM0.113_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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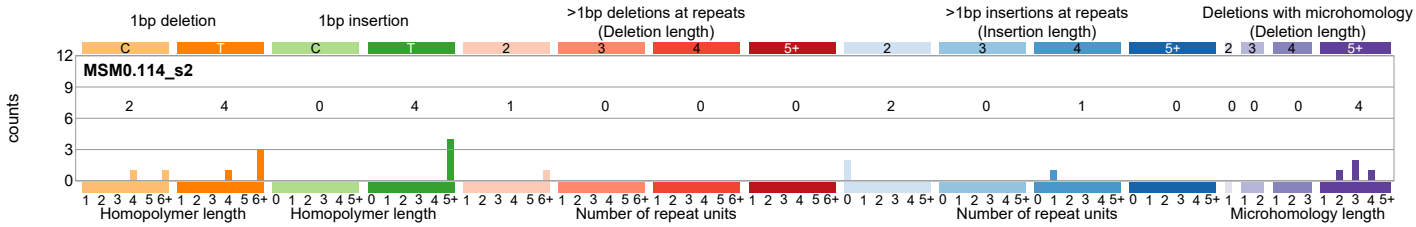
Deletions with microhomology (Deletion length)
MSM0.114_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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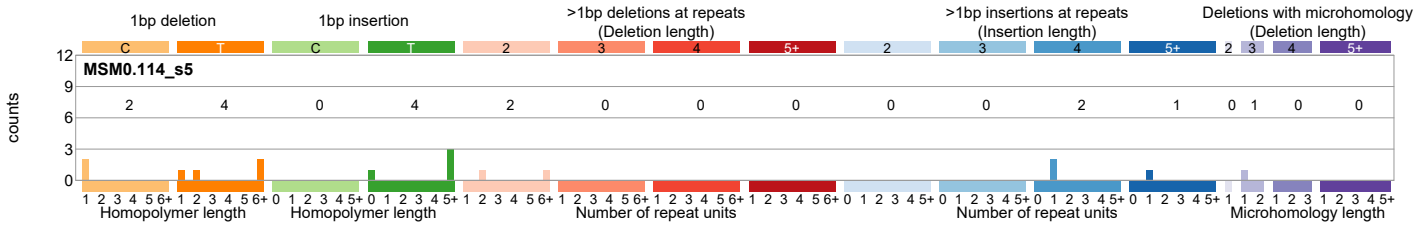
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.114_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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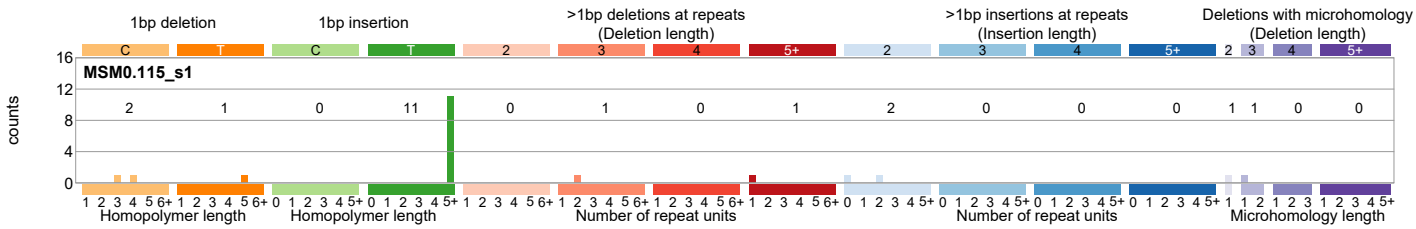
Deletions with microhomology (Deletion length)
MSM0.114_s5
counts
Homopolymer length
Number of repeat units
Microhomology length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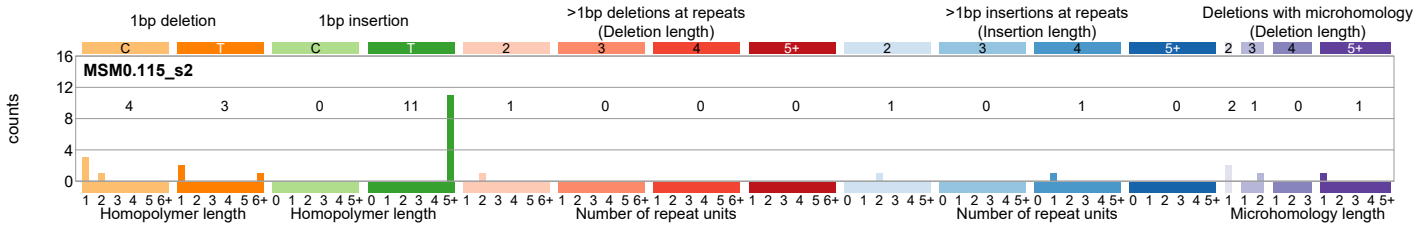
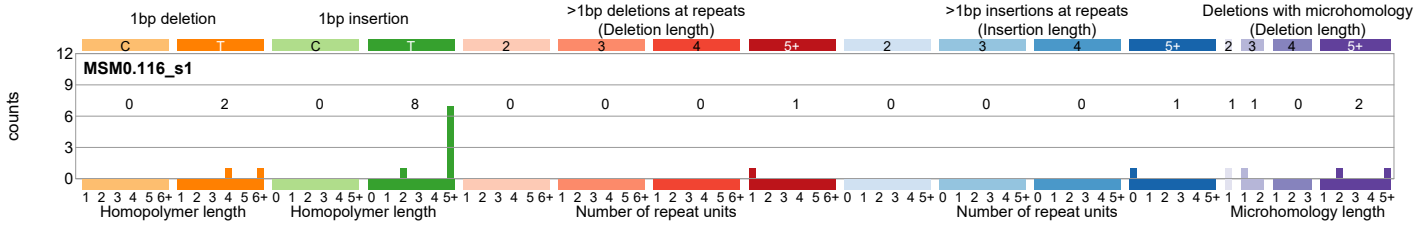
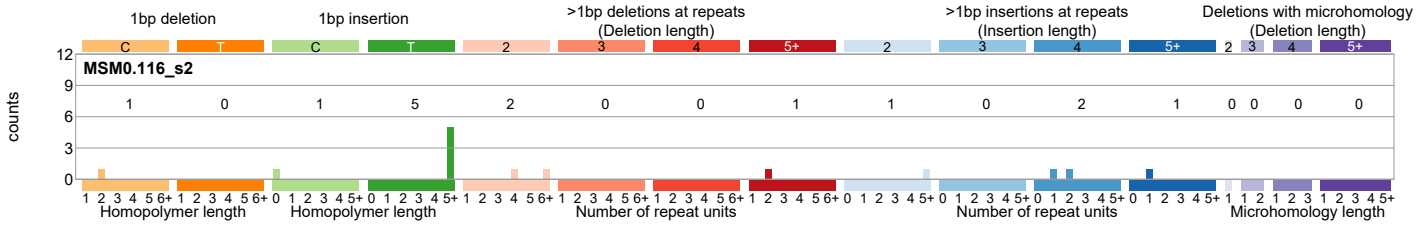
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.115_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.115_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.116_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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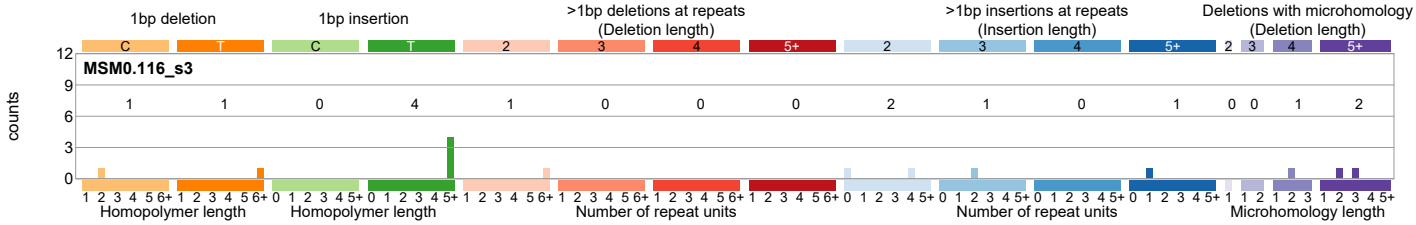
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.116_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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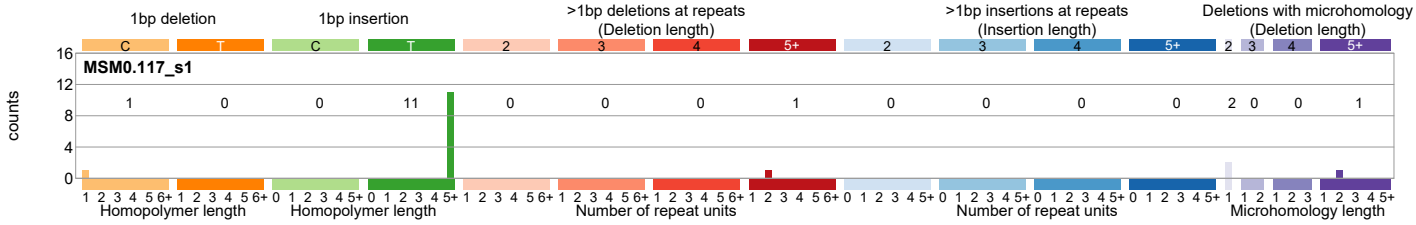
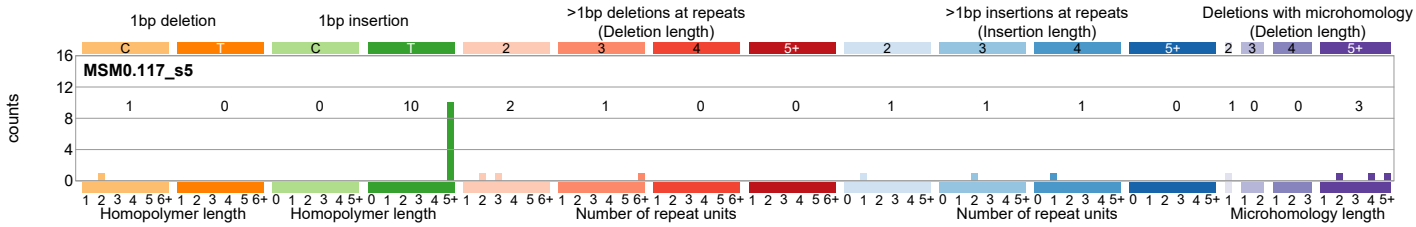
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.116_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.117_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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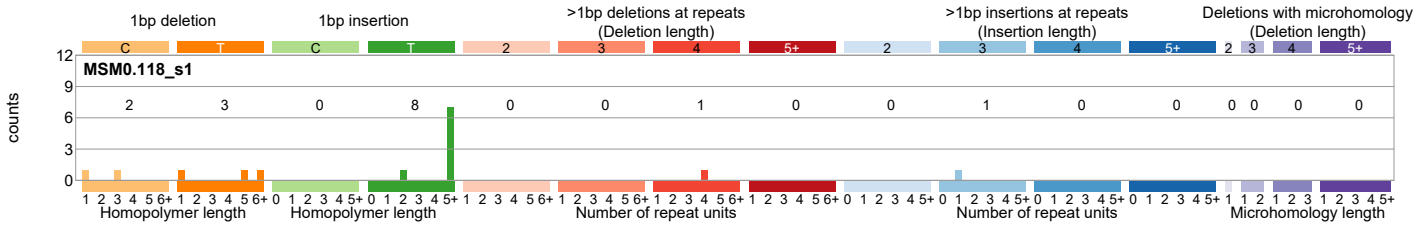
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.117_s5
counts
Homopolymer length
Number of repeat units
Microhomology length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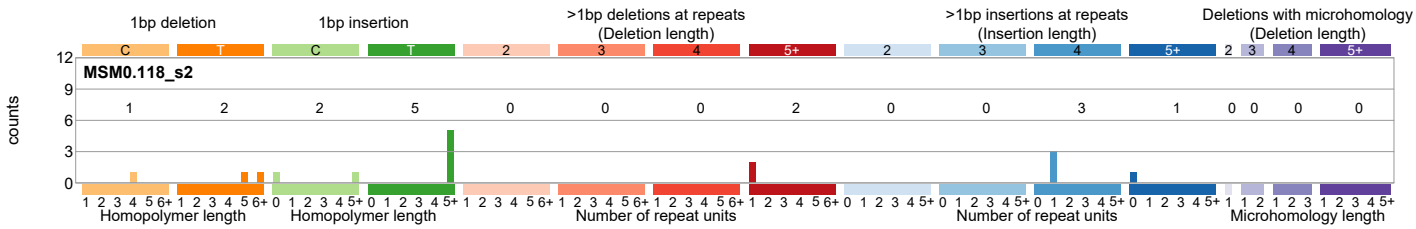
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.118_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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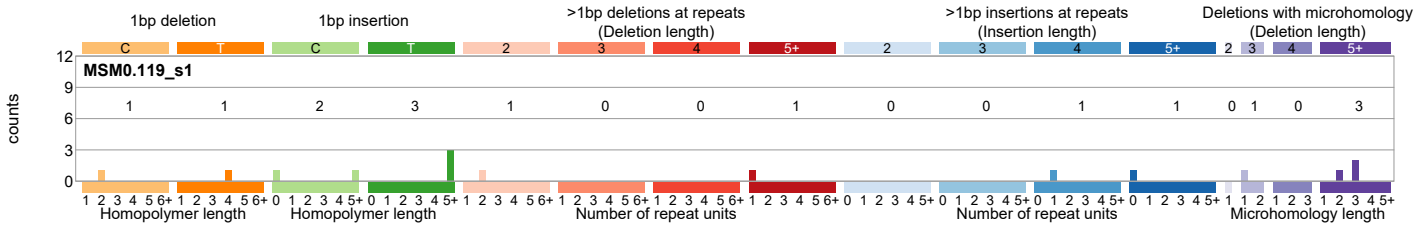
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.118_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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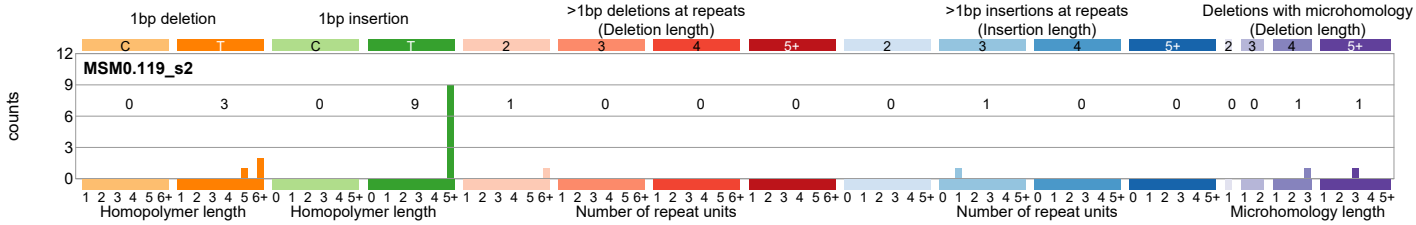
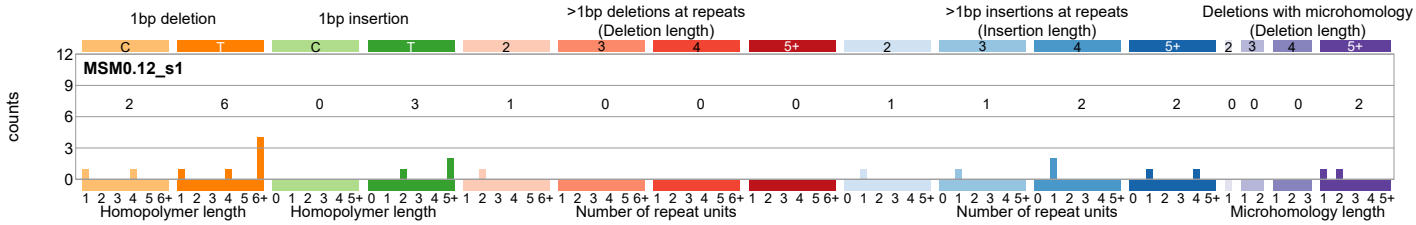
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.119_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.119_s2
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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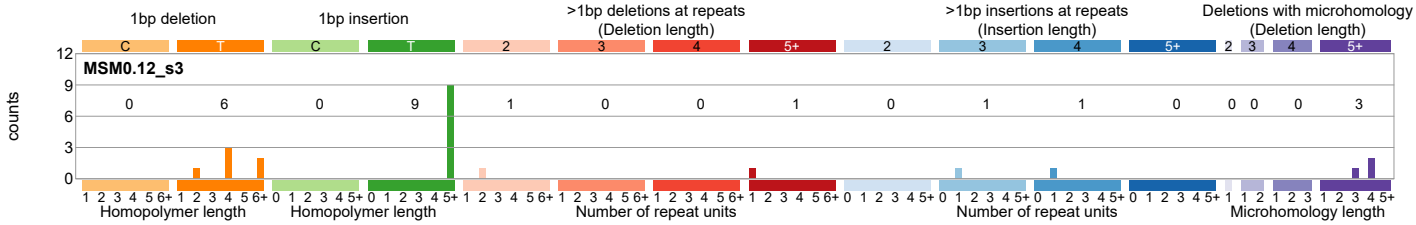
Deletions with microhomology (Deletion length)
MSM0.12_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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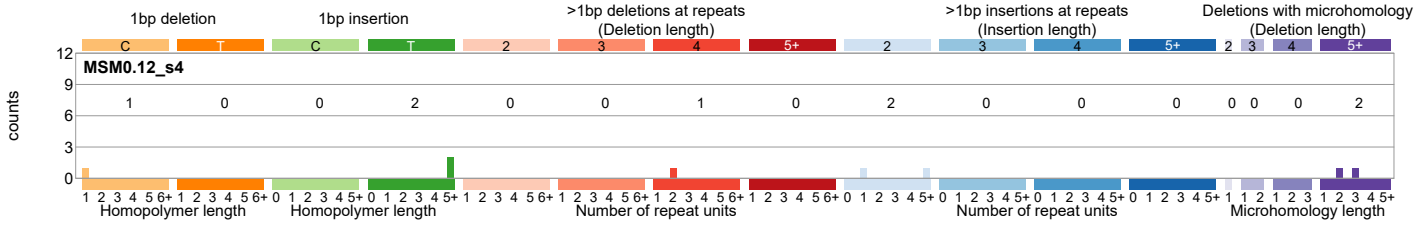
Deletions with microhomology (Deletion length)
MSM0.12_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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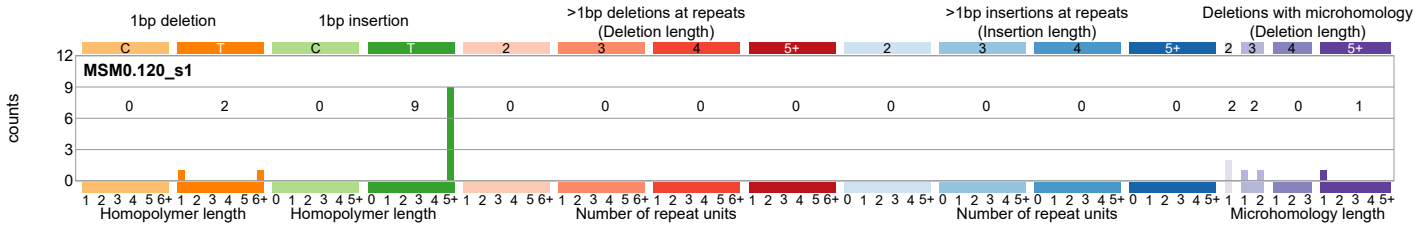
Deletions with microhomology (Deletion length)
MSM0.12_s4
counts
Homopolymer length
Number of repeat units
Microhomology length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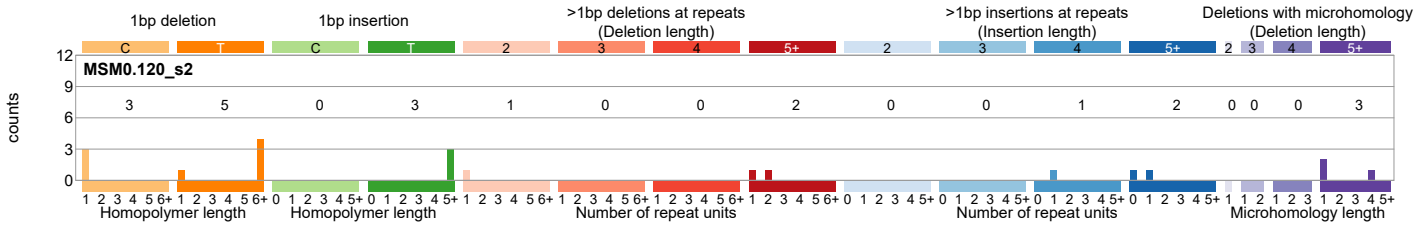
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.120_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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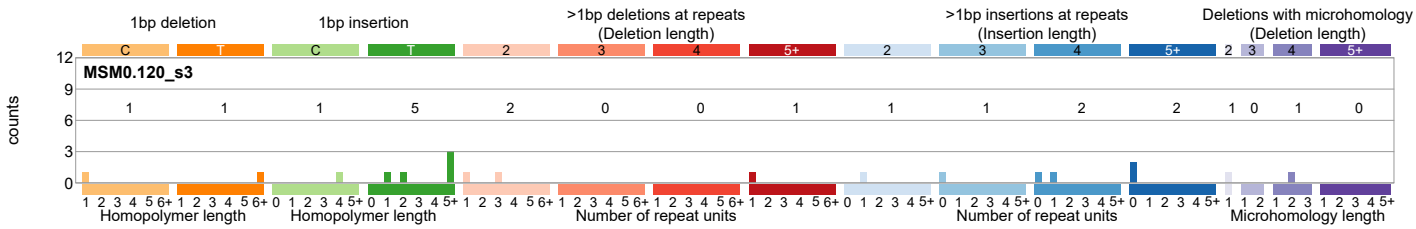
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.120_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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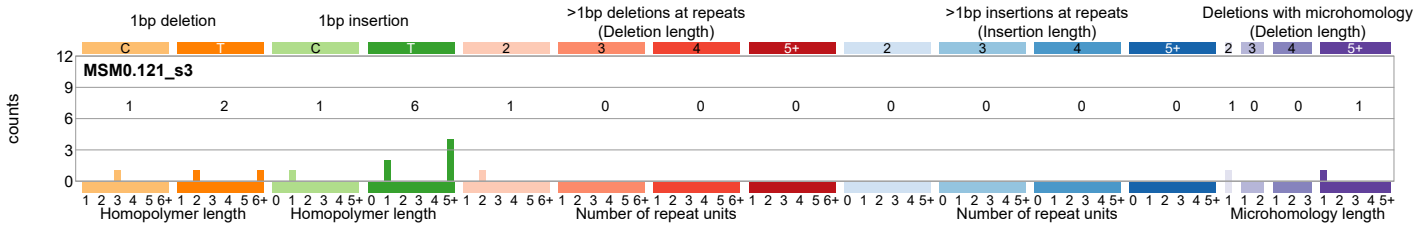
Deletions with microhomology (Deletion length)
MSM0.120_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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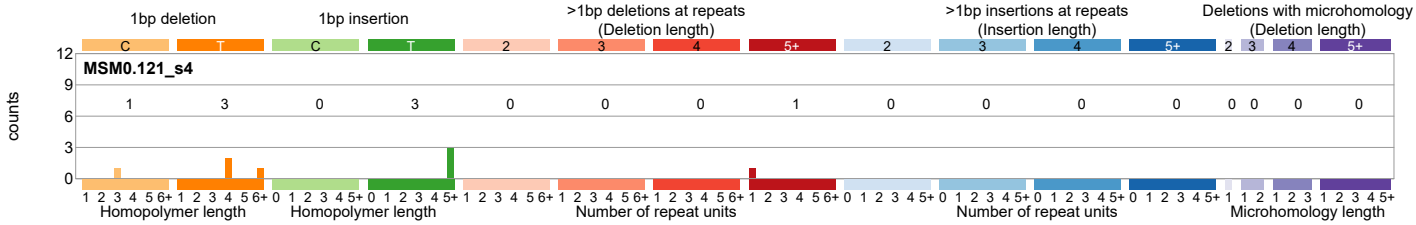
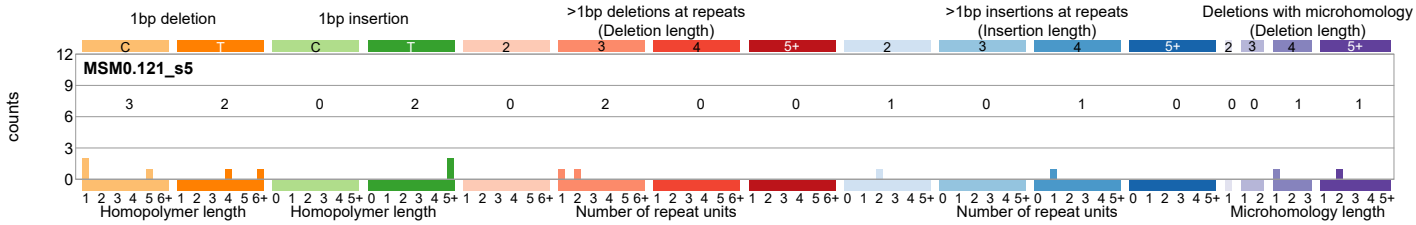
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.121_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.121_s4
counts
Homopolymer length
Number of repeat units
Microhomology length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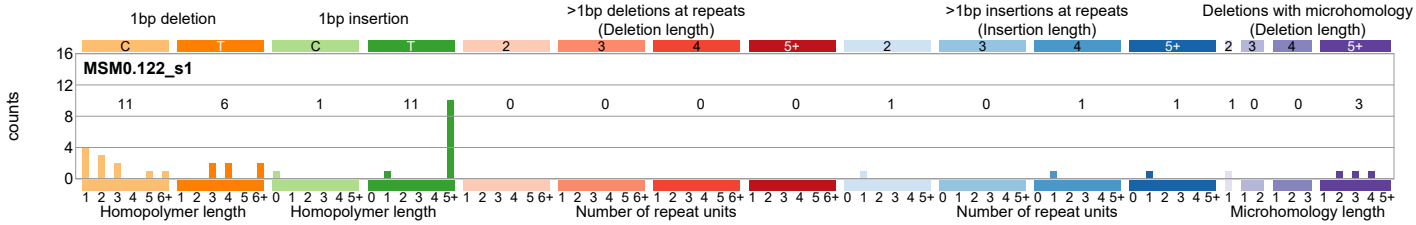
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.121_s5
counts
Homopolymer length
Number of repeat units
Microhomology length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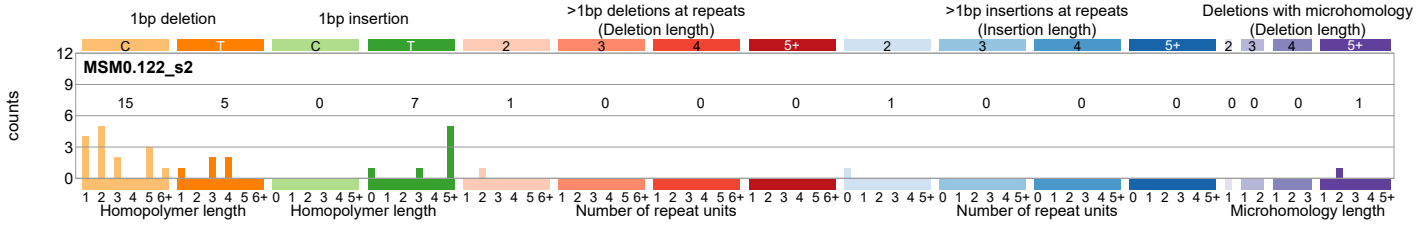
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.122_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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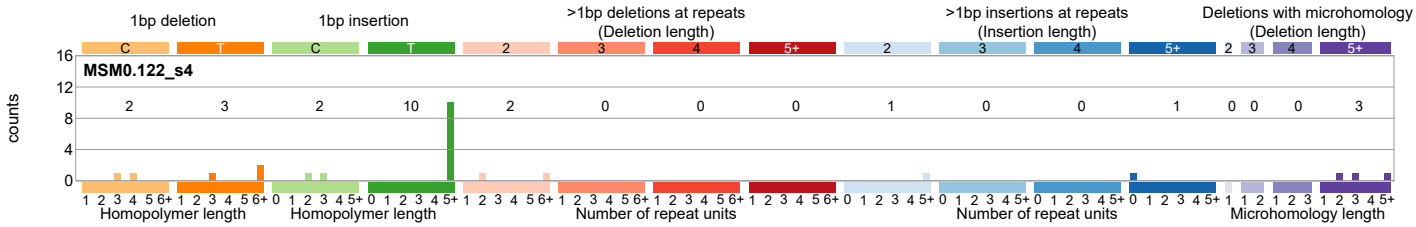
Deletions with microhomology (Deletion length)
MSM0.122_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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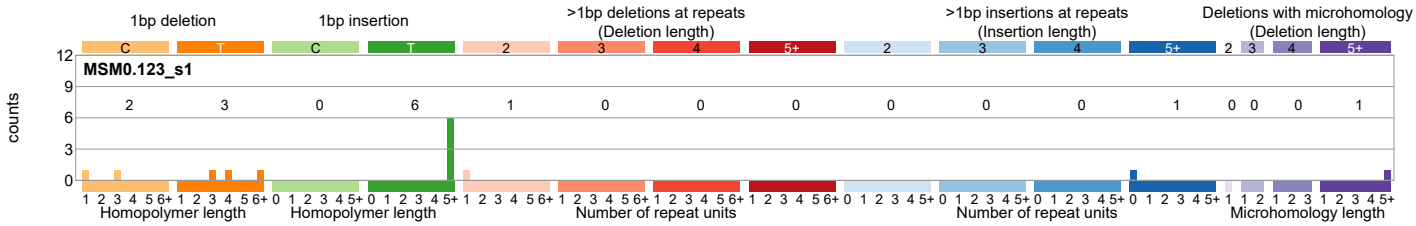
Deletions with microhomology (Deletion length)
MSM0.122_s4
counts
Homopolymer length
Number of repeat units
Microhomology length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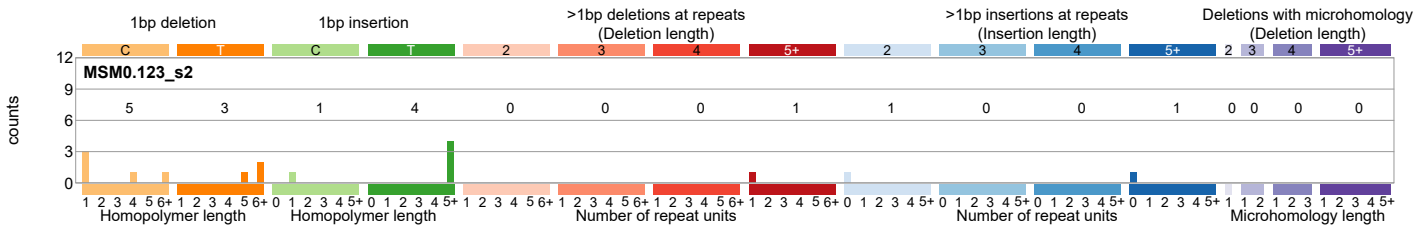
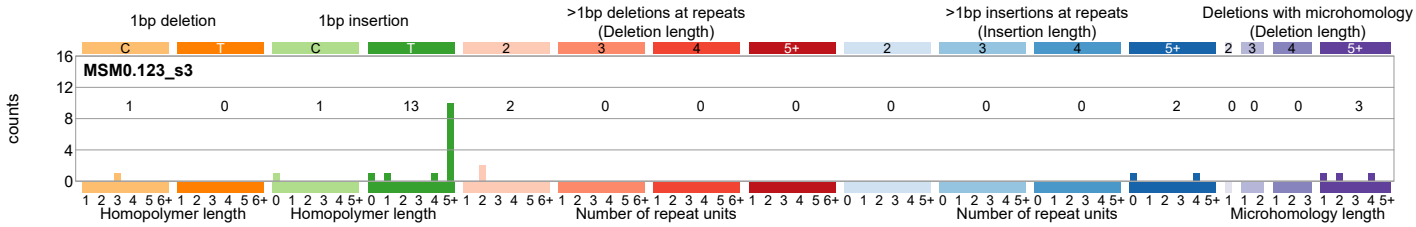
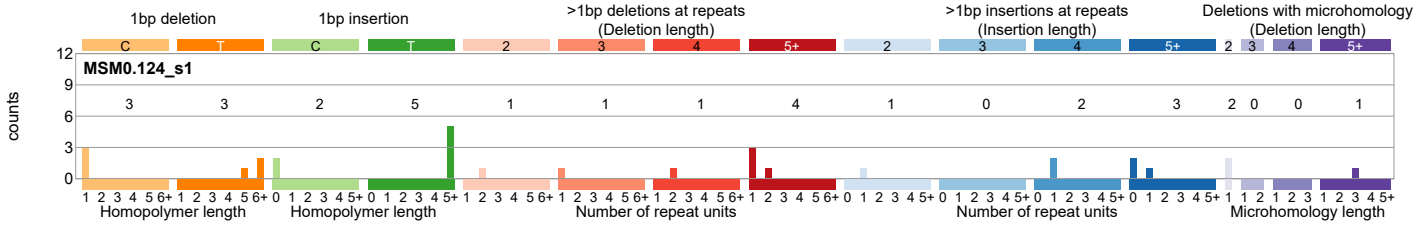
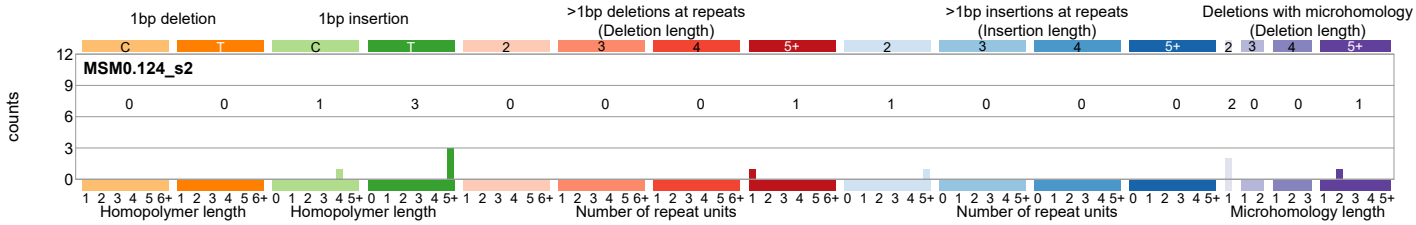
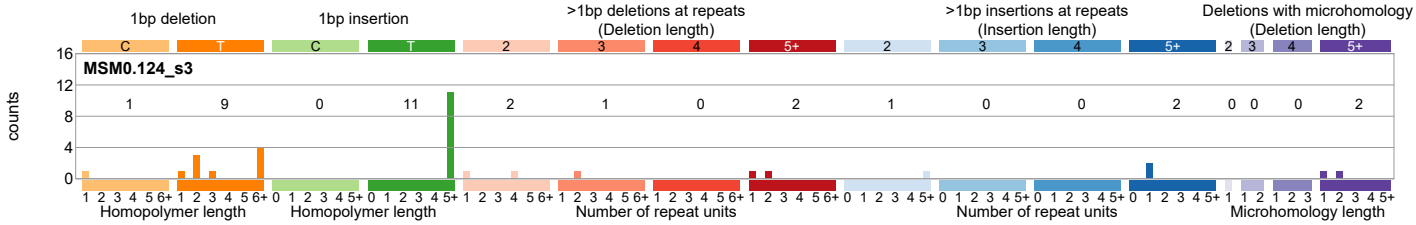
Deletions with microhomology (Deletion length)
MSM0.123_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

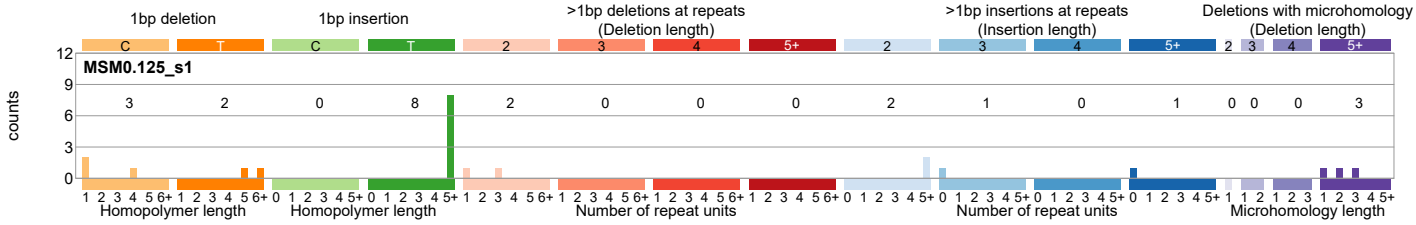

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.123_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

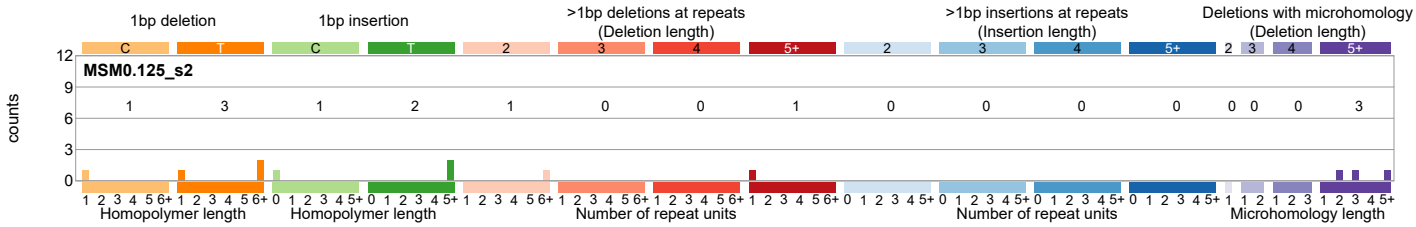

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.123_s3
counts
Homopolymer length
Number of repeat units
Microhomology length

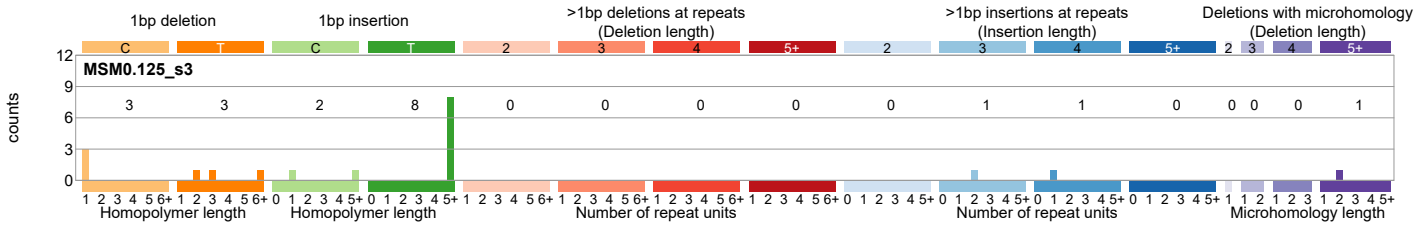

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.124_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

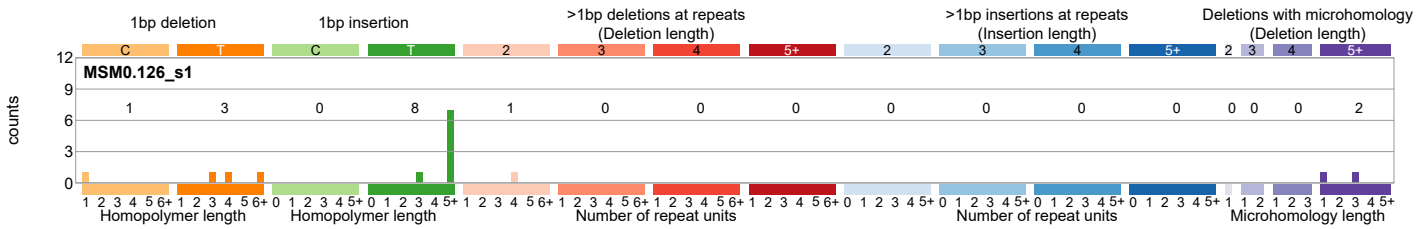

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.124_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

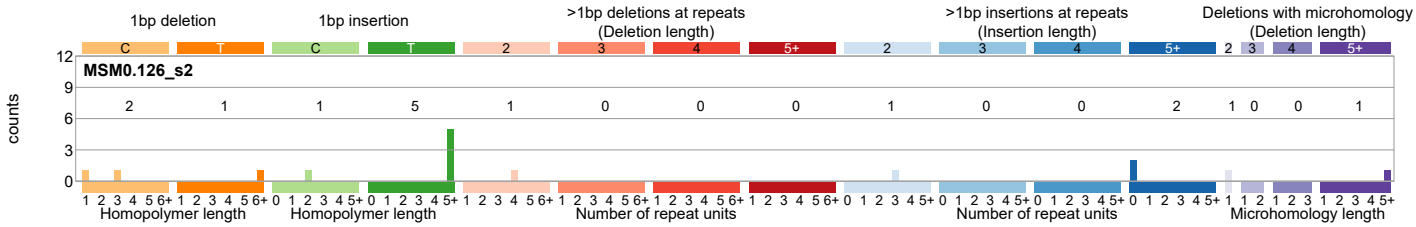

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.124_s3
counts
Homopolymer length
Number of repeat units
Microhomology length

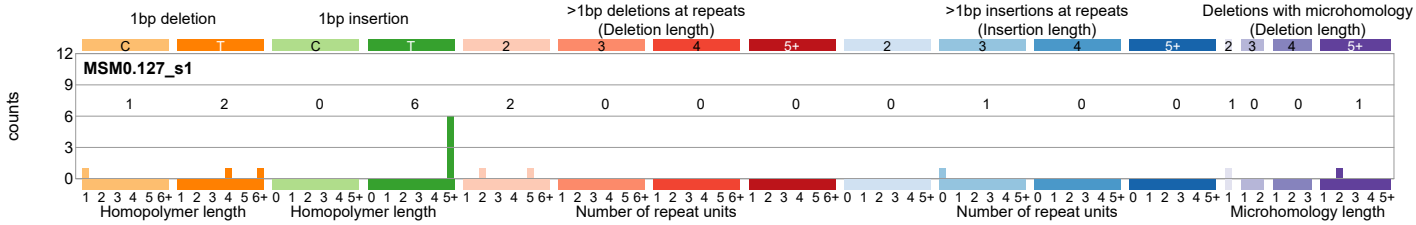

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.125_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

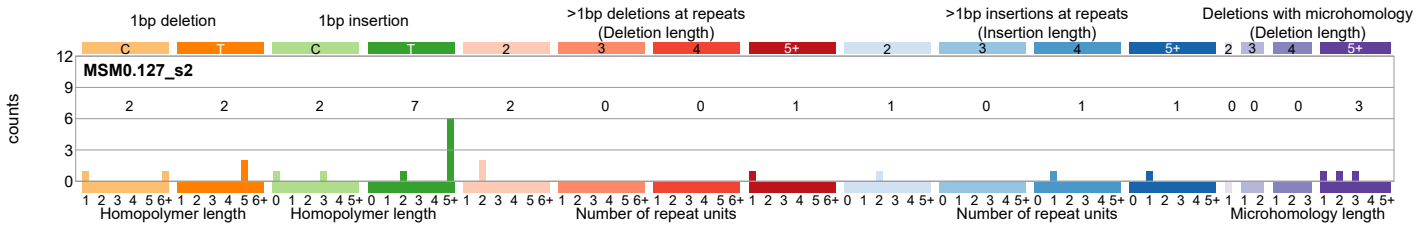

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.125_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

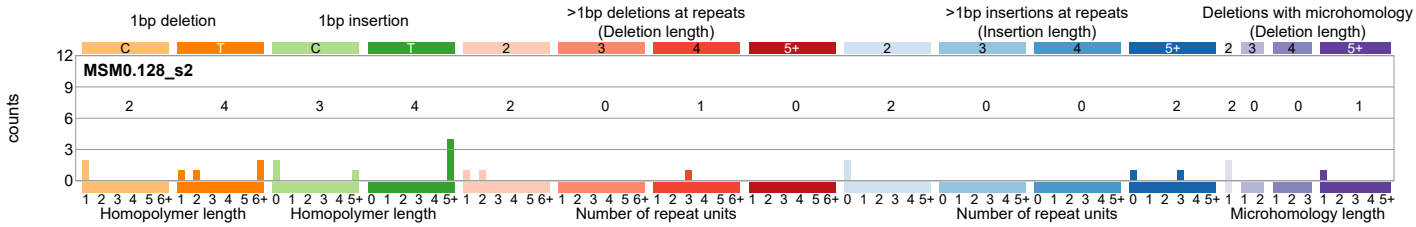

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.125_s3
counts
Homopolymer length
Number of repeat units
Microhomology length

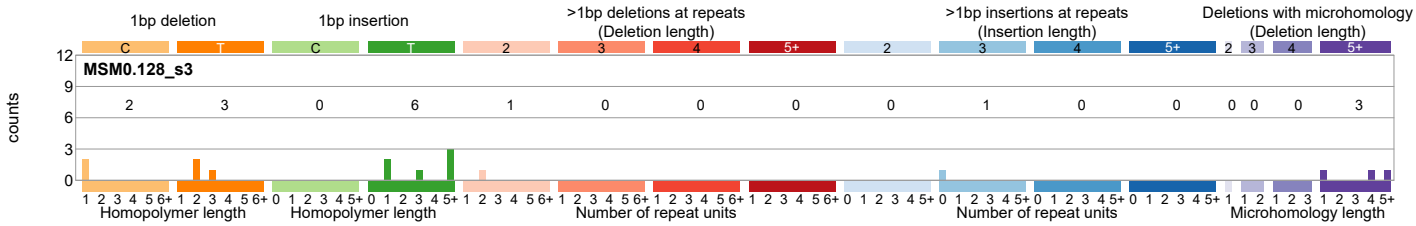

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.126_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

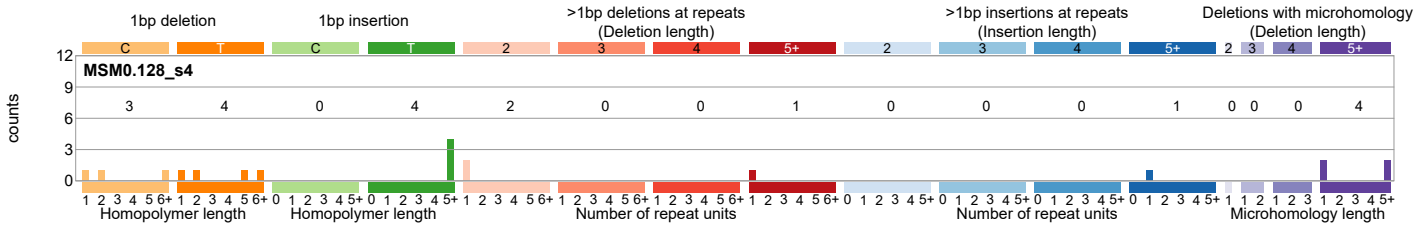

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.126_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

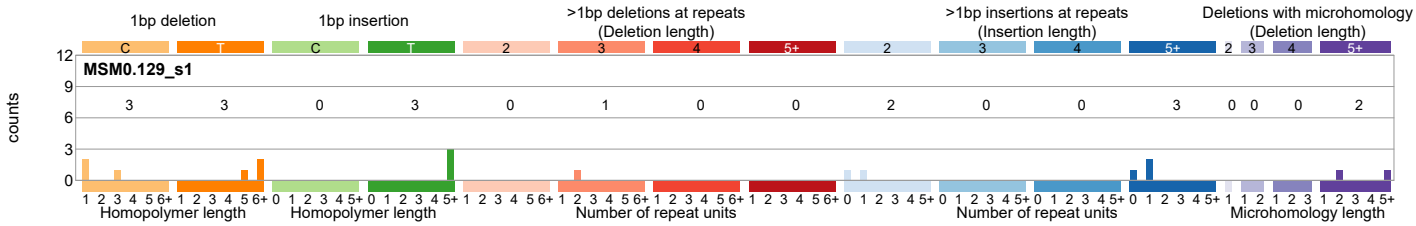

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.127_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

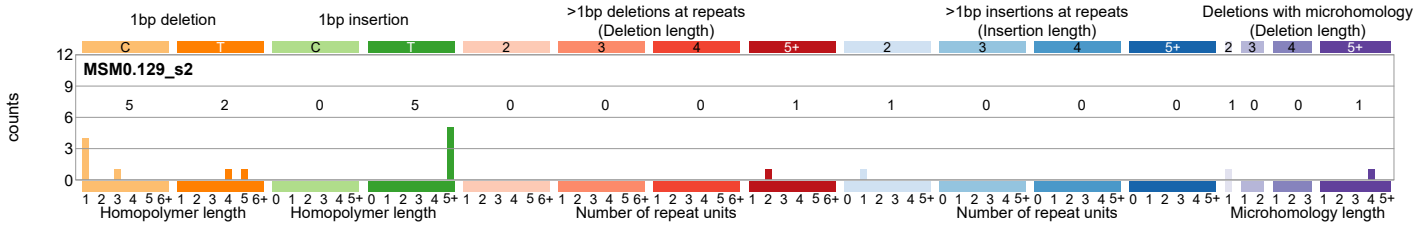

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.127_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

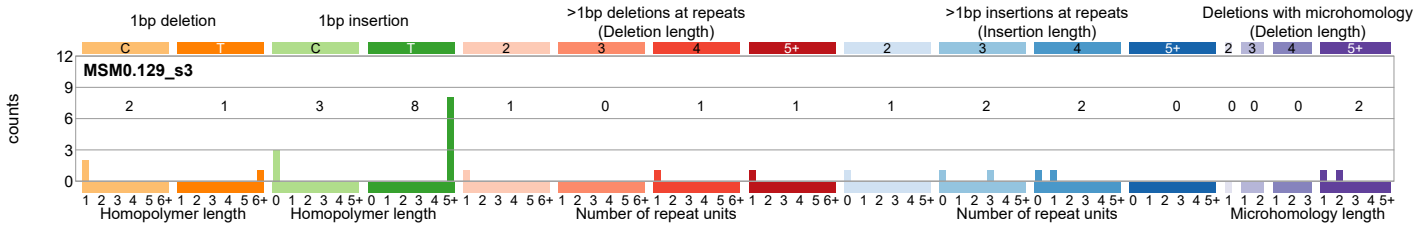

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.128_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

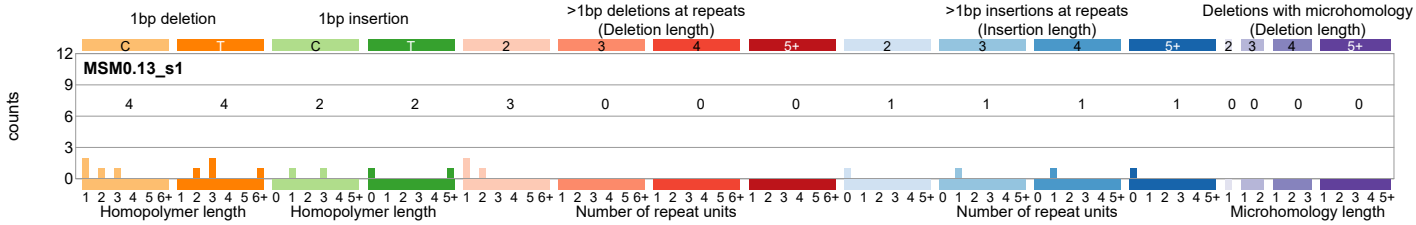

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.128_s3
counts
Homopolymer length
Number of repeat units
Microhomology length

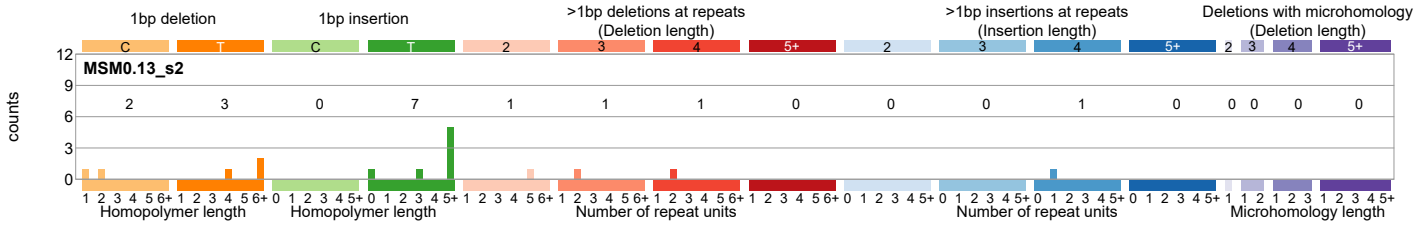

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.128_s4
counts
Homopolymer length
Number of repeat units
Microhomology length

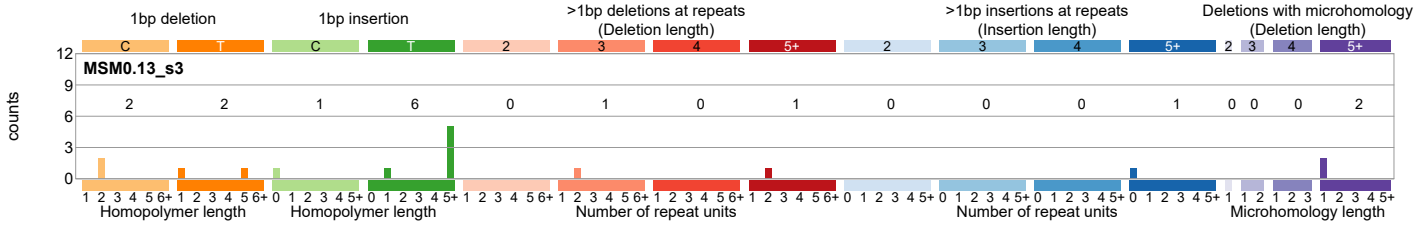

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.129_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

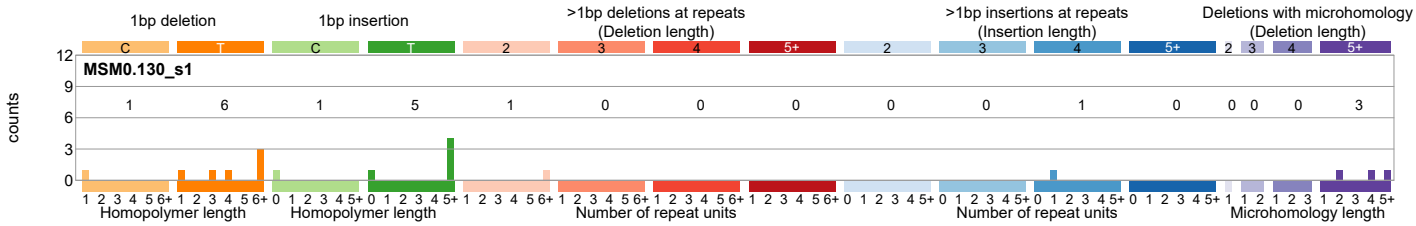

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.129_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

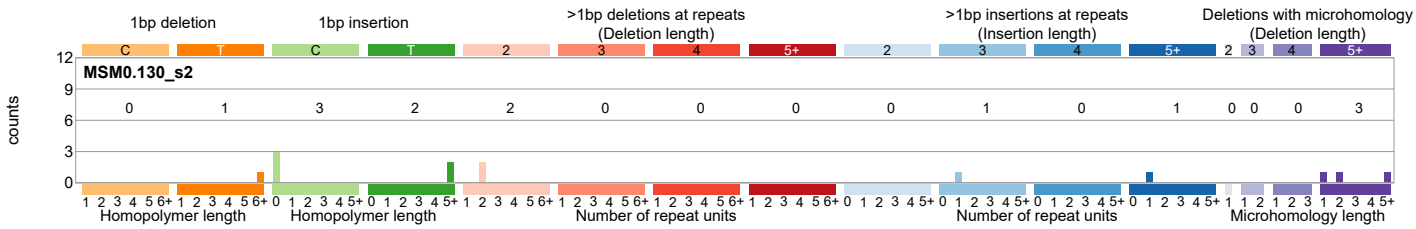

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.129_s3
2 1 3 8 1 0 1 1 1 2 2 0 0 0 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

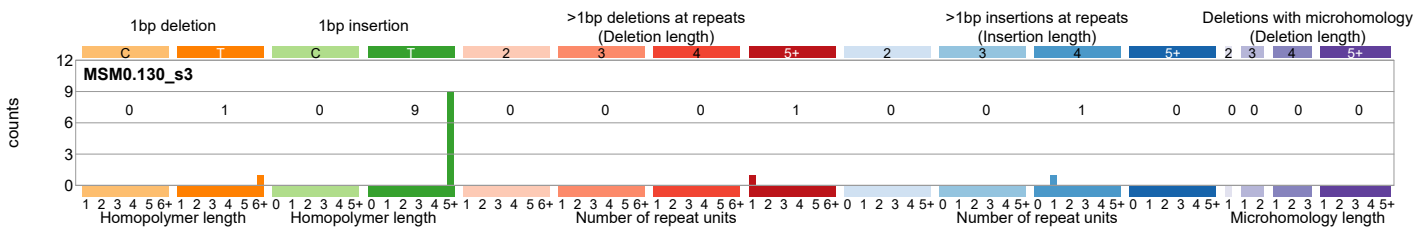

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.13_s1
4 4 2 2 3 0 0 0 1 1 1 1 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

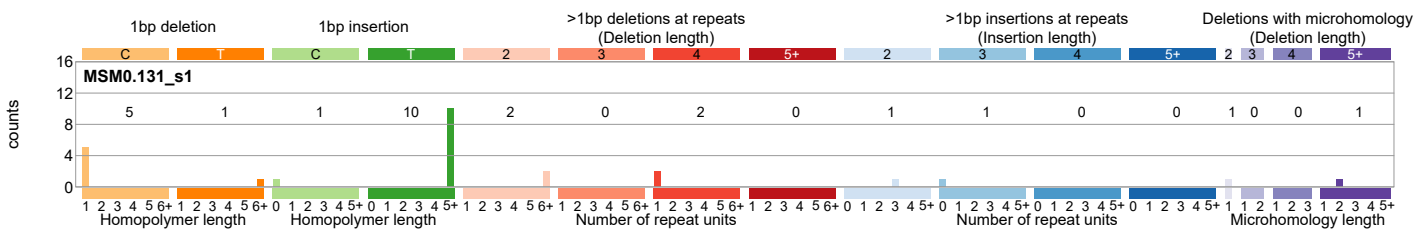

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.13_s2
2 3 0 7 1 1 1 0 0 0 1 0 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

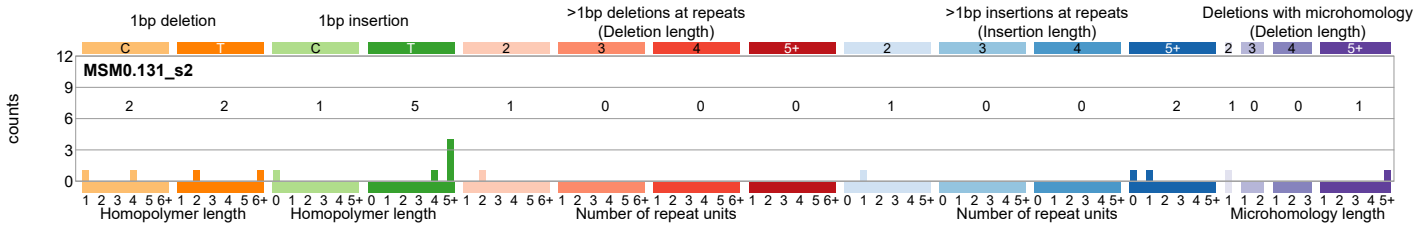

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.13_s3
2 2 1 6 0 1 0 1 0 0 0 1 0 0 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

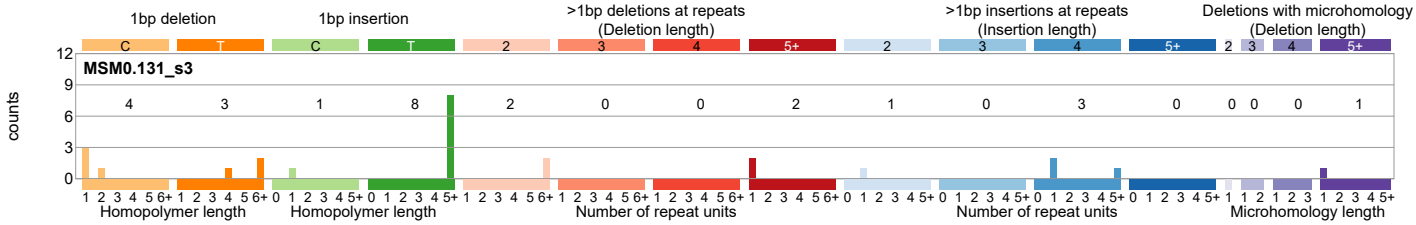

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.130_s1
1 6 1 5 1 0 0 0 0 0 1 0 0 0 0 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

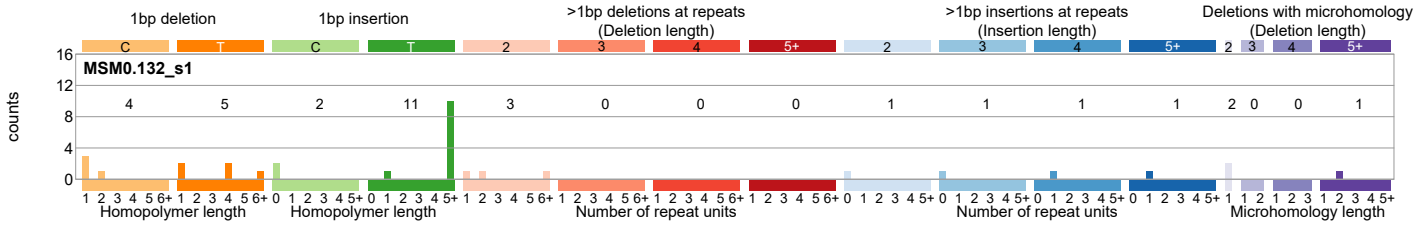

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.130_s2
0 1 3 2 2 0 0 0 0 1 0 1 0 0 0 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

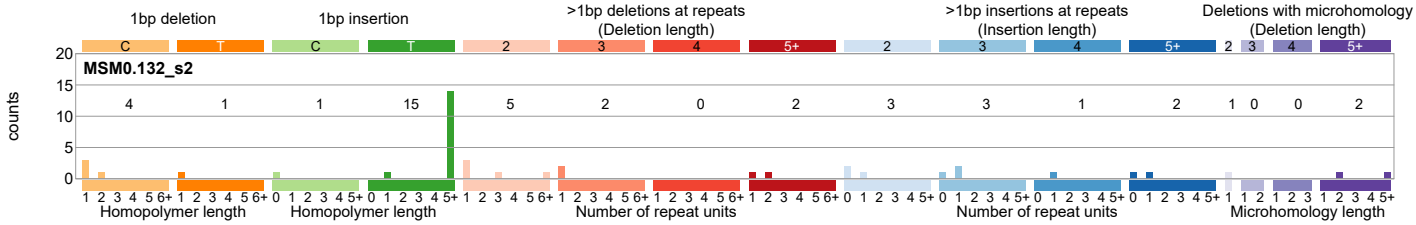

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.130_s3
0 1 0 9 0 0 0 1 0 0 1 0 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

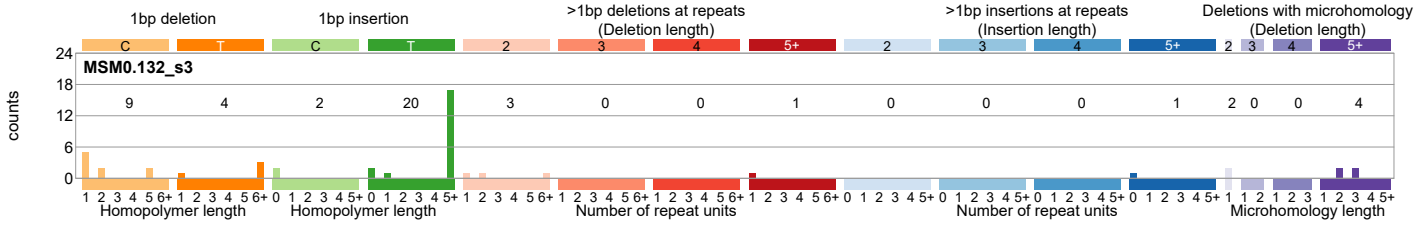

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.131_s1
5 1 1 10 2 0 2 0 1 1 0 0 1 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

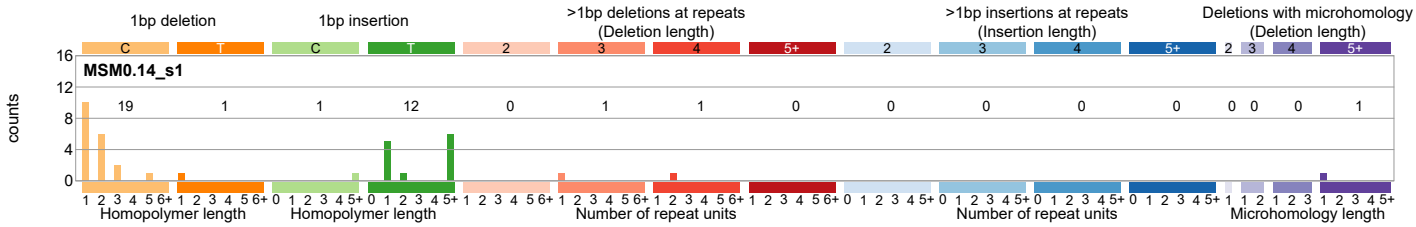

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.131_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

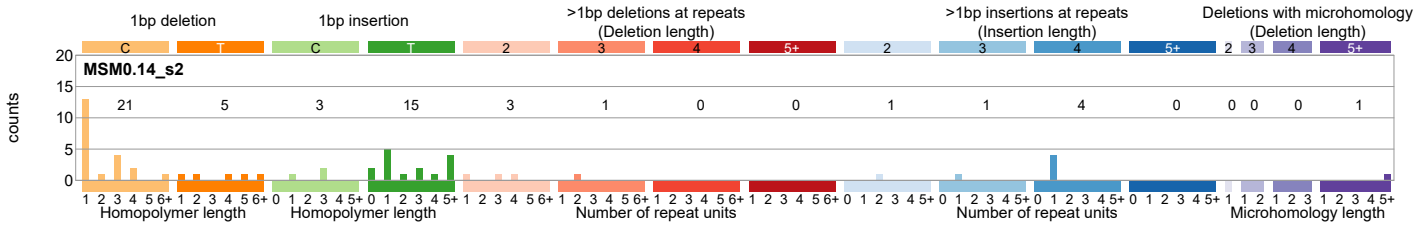

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.131_s3
counts
Homopolymer length
Number of repeat units
Microhomology length

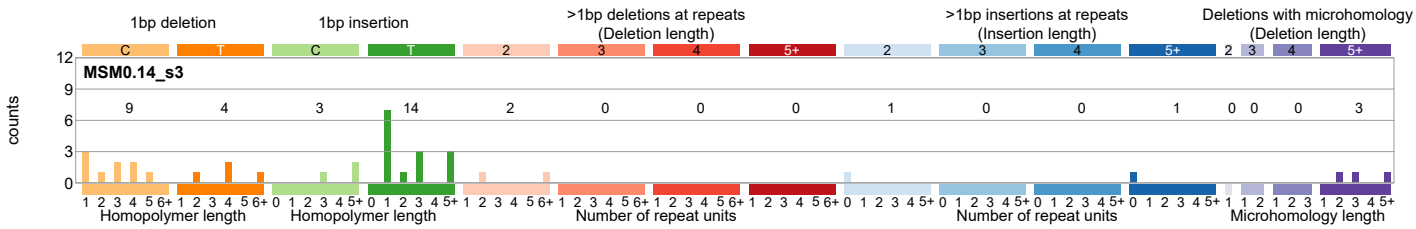

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.132_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

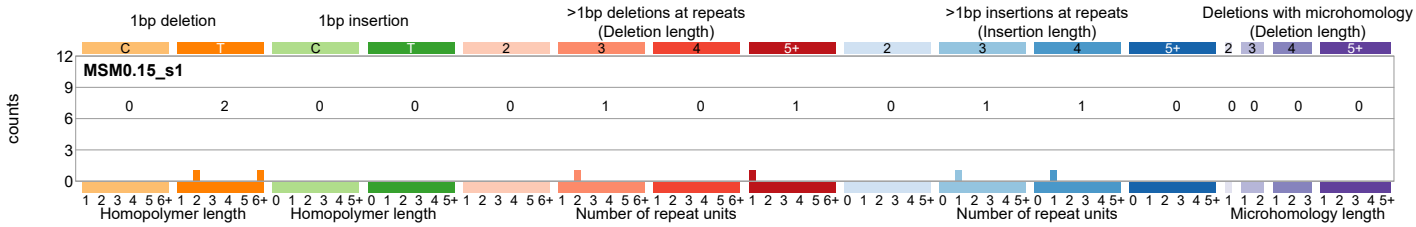

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.132_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

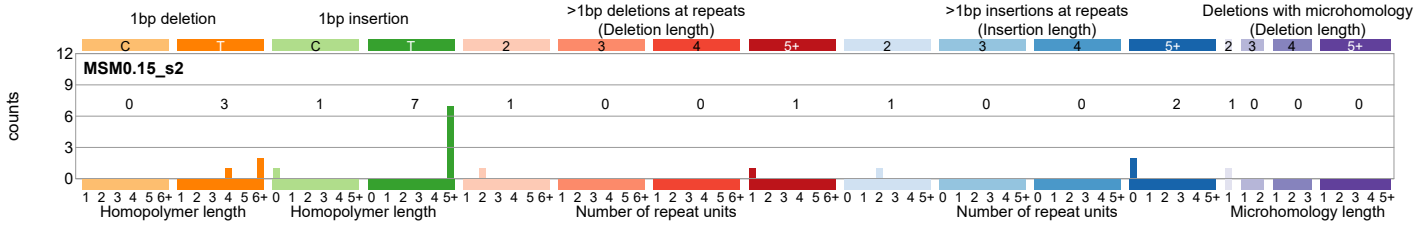

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.132_s3
counts
Homopolymer length
Number of repeat units
Microhomology length

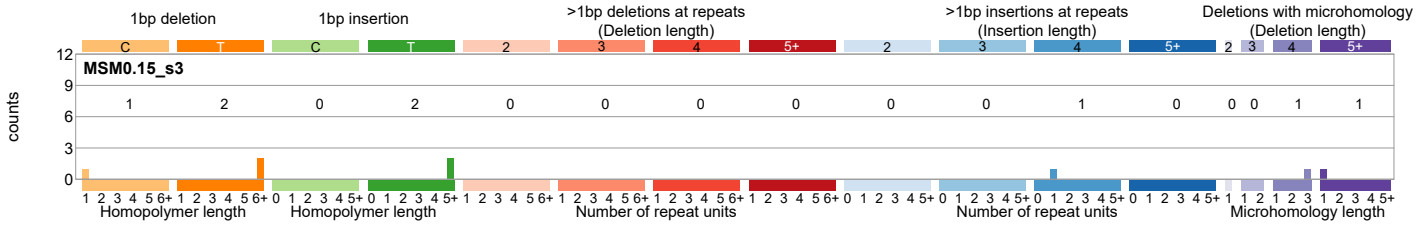

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.14_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

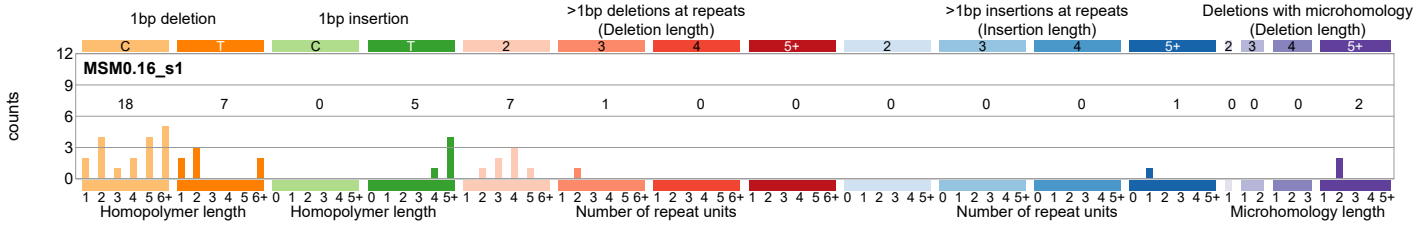

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.14_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

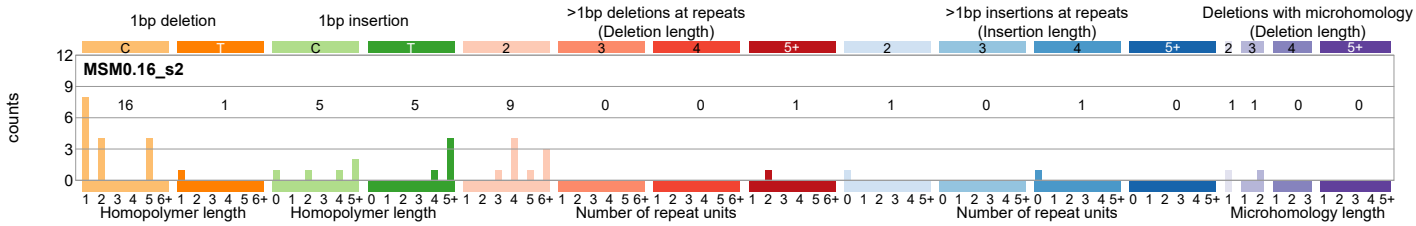

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.14_s3
counts
Homopolymer length
Number of repeat units
Microhomology length

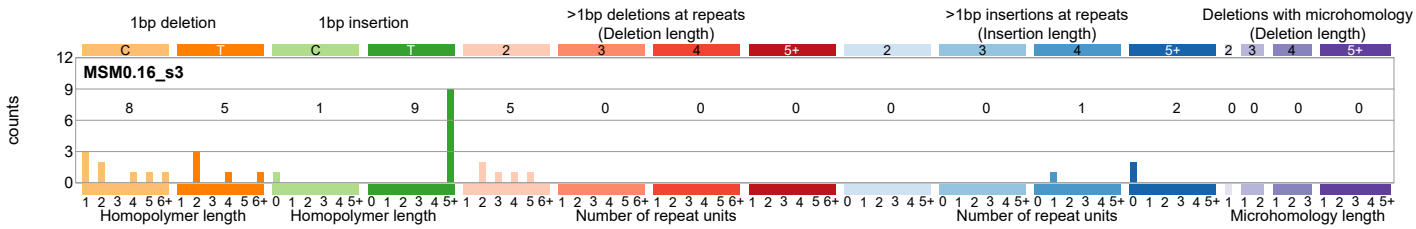

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.15_s1
0 2 0 0 0 1 0 1 0 1 1 0 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

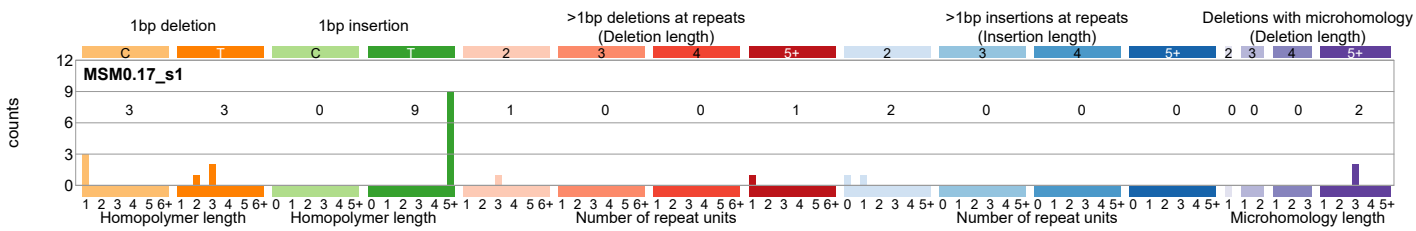

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.15_s2
0 3 1 7 1 0 0 1 1 0 0 2 1 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

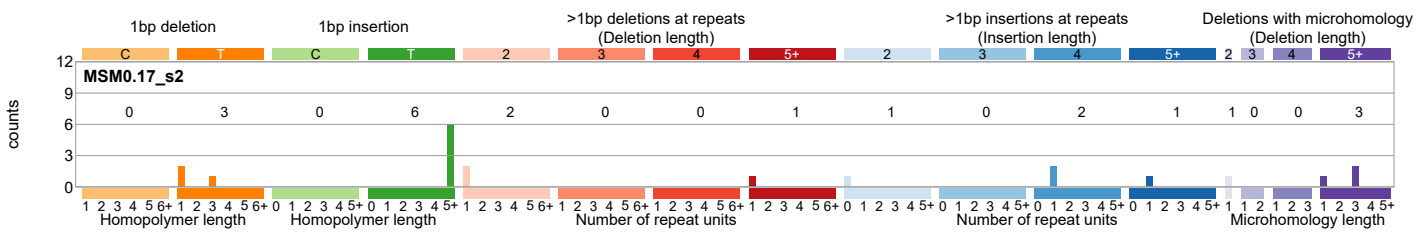

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.15_s3
1 2 0 2 0 0 0 0 0 0 1 0 0 0 1 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

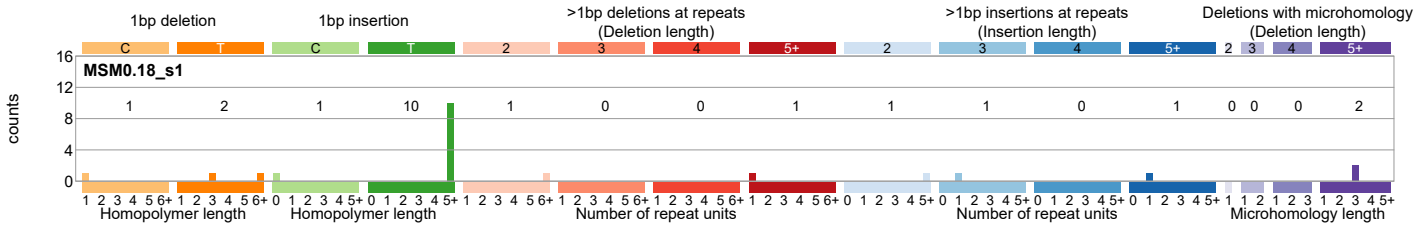

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.16_s1
18 7 0 5 7 1 0 0 0 0 0 1 0 0 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

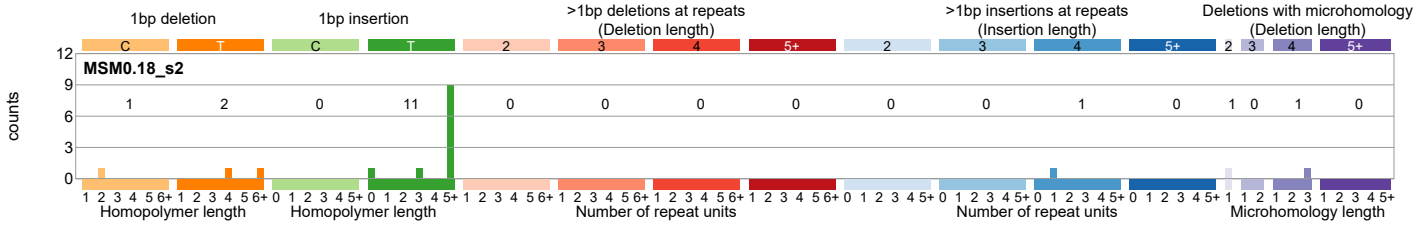

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.16_s2
16 1 5 5 9 0 0 1 1 0 1 0 1 1 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

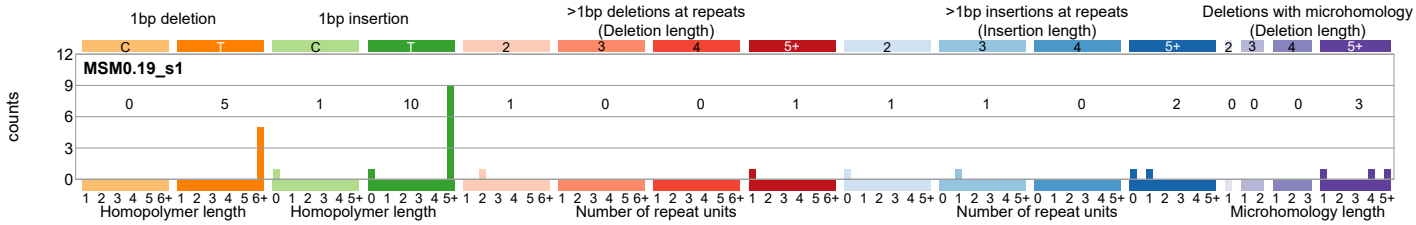

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.16_s3
8 5 1 9 5 0 0 0 0 0 1 2 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

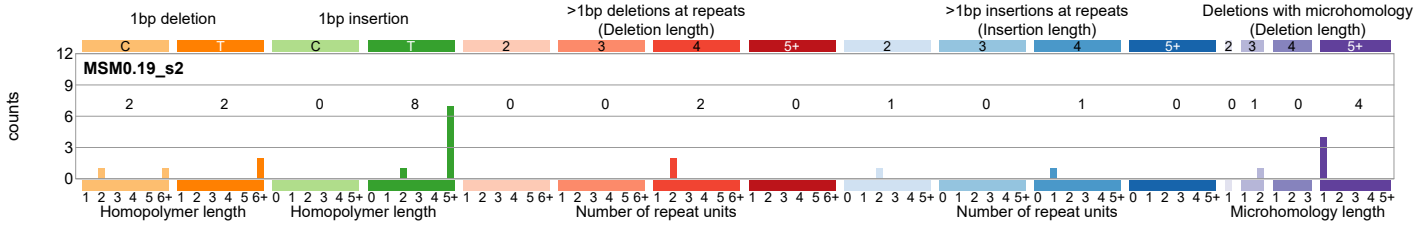

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.17_s1
3 3 0 9 1 0 0 1 2 0 0 0 0 0 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

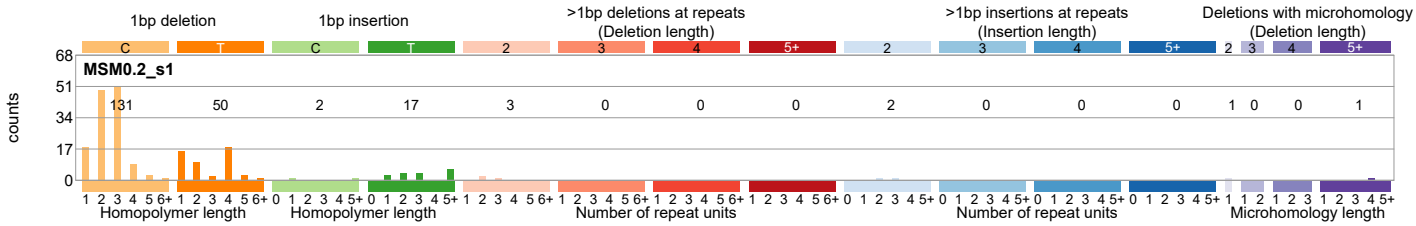

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.17_s2
0 3 0 6 2 0 0 1 1 0 2 1 1 0 0 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

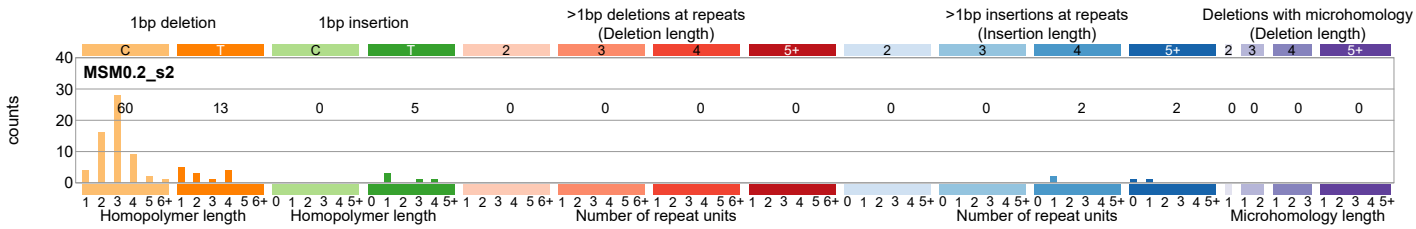

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.18_s1
counts
1 2 1 10 1 0 0 1 1 1 0 1 0 0 0 2
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

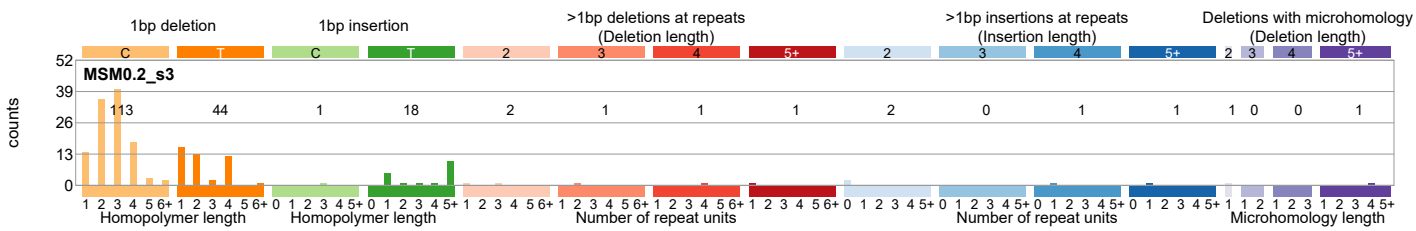

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.18_s2
counts
1 2 0 11 0 0 0 0 0 0 1 0 1 0 1 0
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

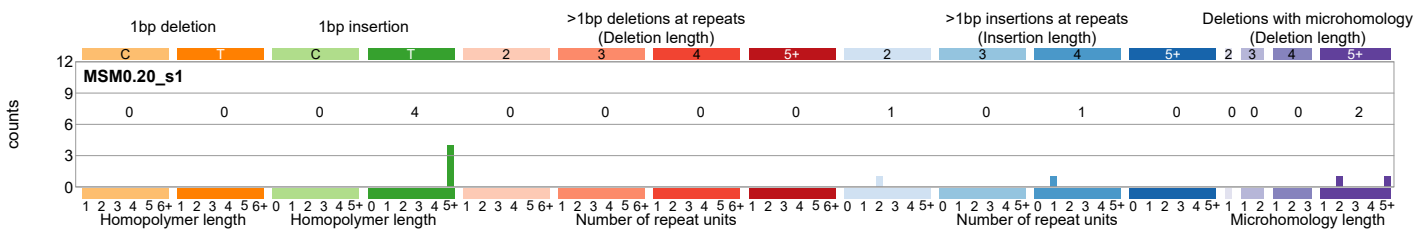

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.19_s1
counts
0 5 1 10 1 0 0 1 1 1 0 2 0 0 0 3
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

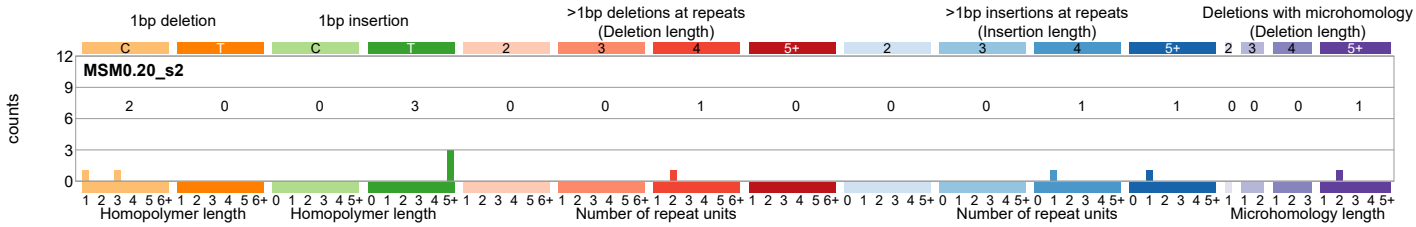

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.19_s2
counts
2 2 0 8 0 0 2 0 1 0 1 0 0 1 0 4
Homopolymer length
Homopolymer length
Number of repeat 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+
MSM0.2_s1
counts
131 50 2 17 3 0 0 0 2 0 0 0 1 0 0 1
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+
MSM0.2_s2
counts
60 13 0 5 0 0 0 0 0 0 2 2 0 0 0 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+
MSM0.2_s3
counts
113 44 1 18 2 1 1 1 2 0 1 1 1 0 0 1
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+
MSM0.20_s1
counts
0 0 0 4 0 0 0 0 1 0 1 0 0 0 0 2
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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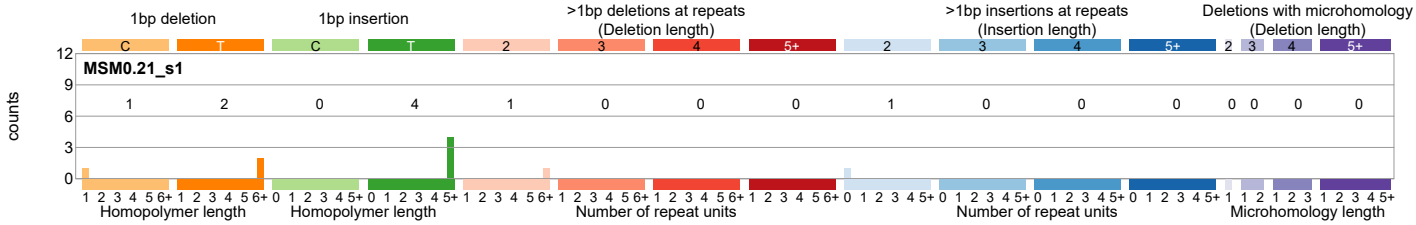
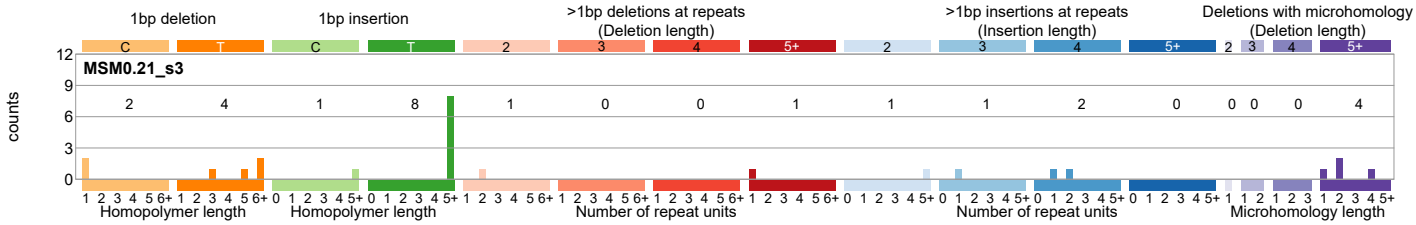
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.20_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.21_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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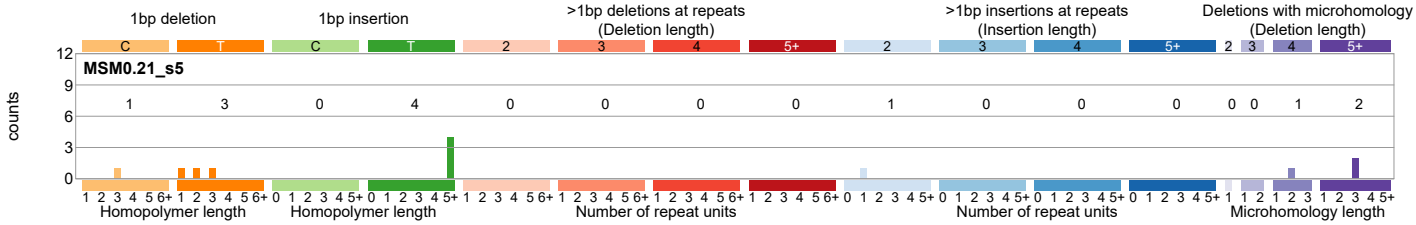
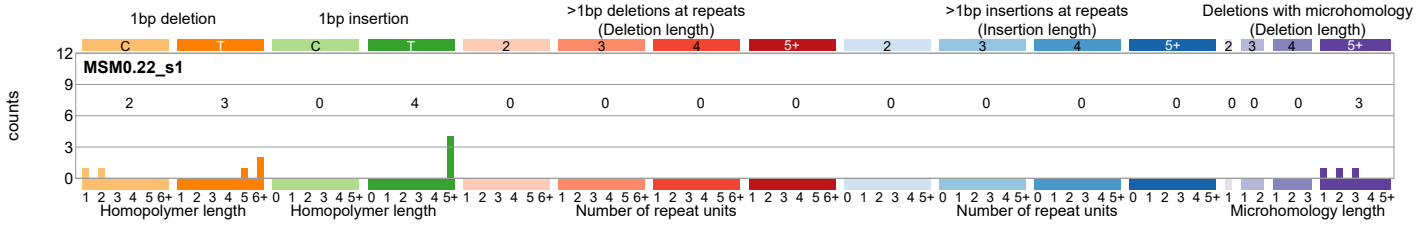
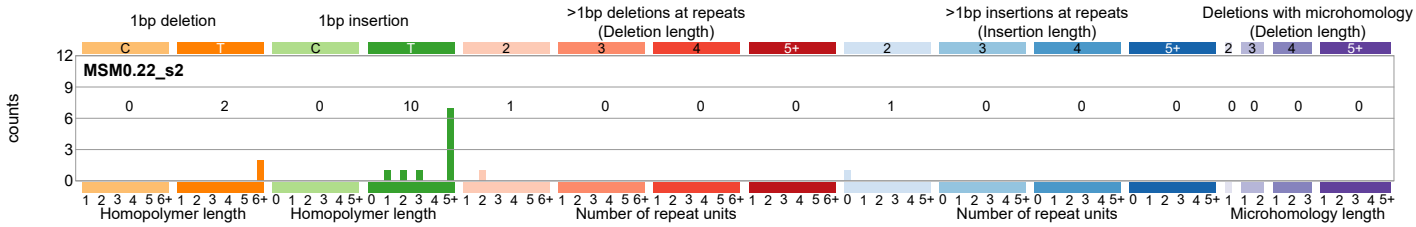
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.21_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.21_s5
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.22_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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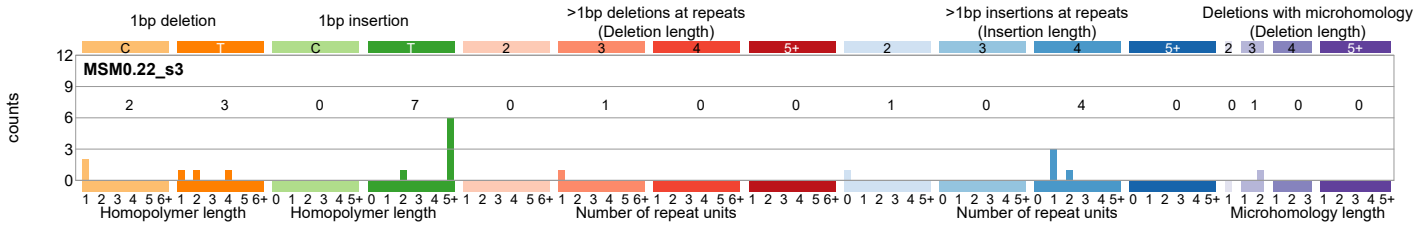
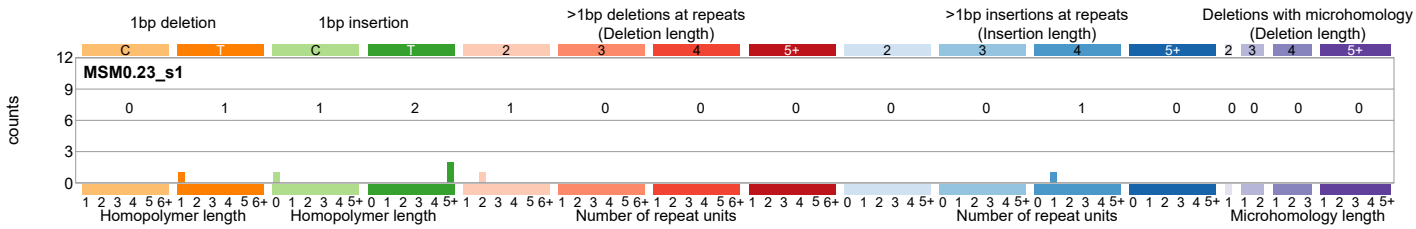
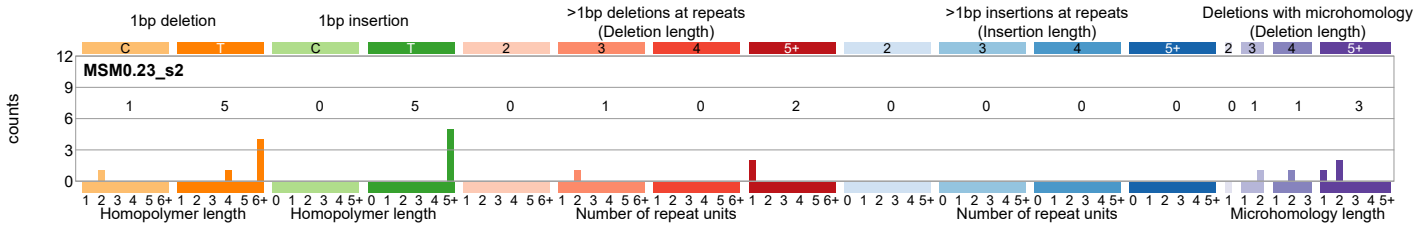
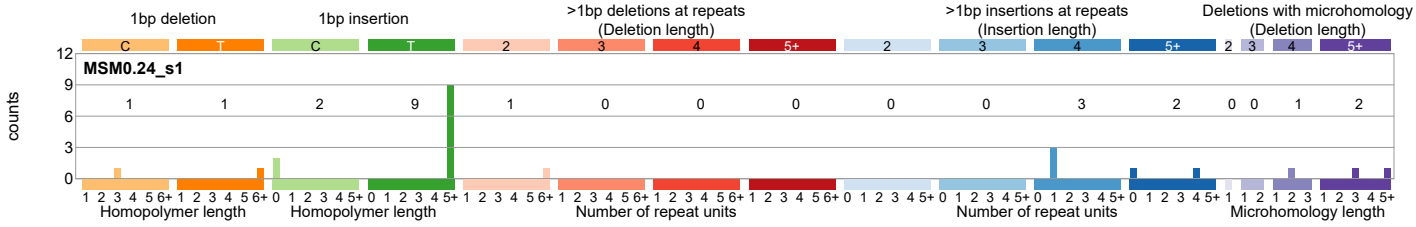
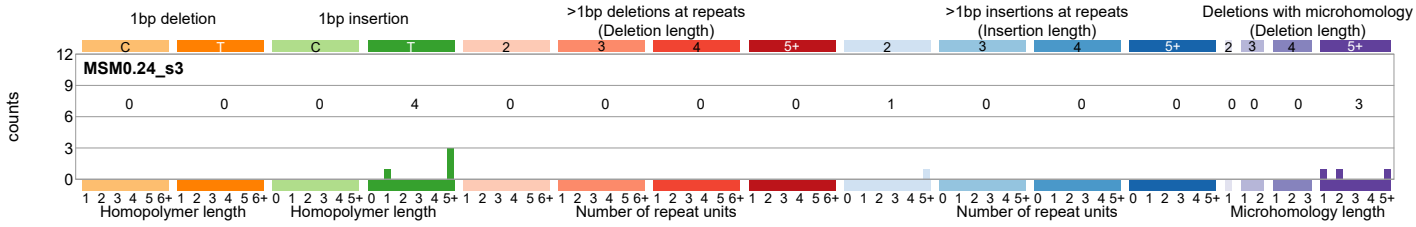
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.22_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

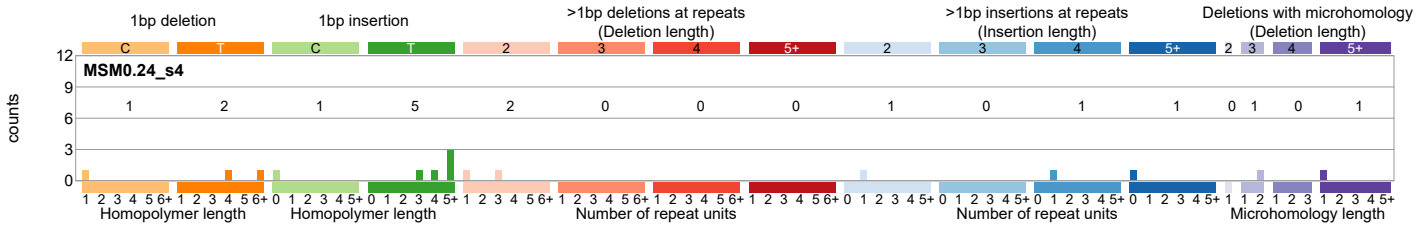

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.22_s3
counts
Homopolymer length
Number of repeat units
Microhomology length

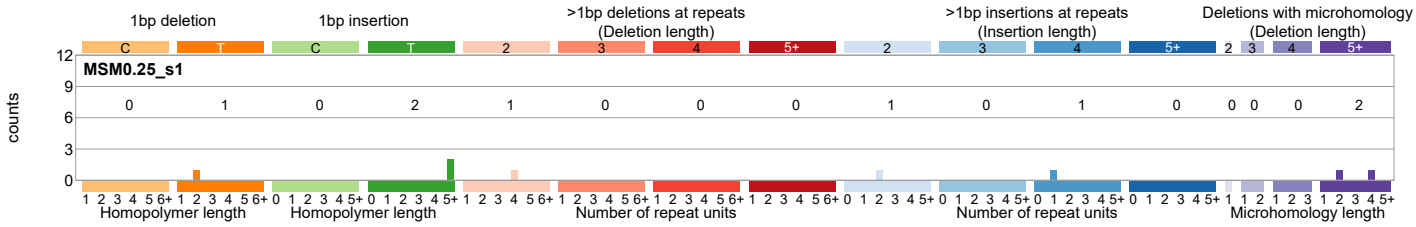

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.23_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

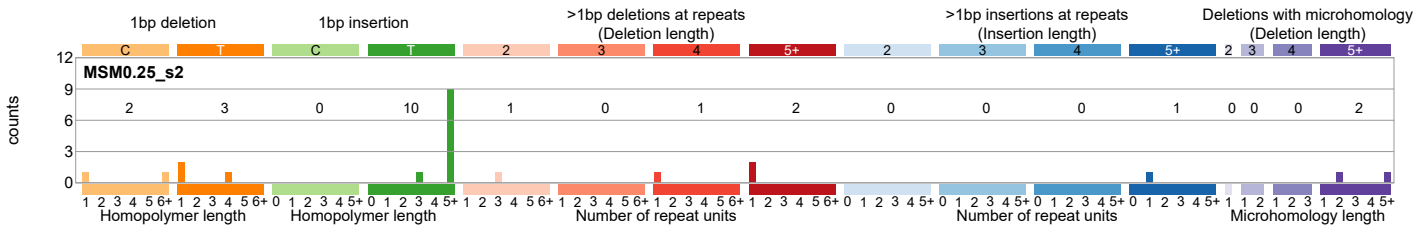

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.23_s2
1 5 0 5 0 1 0 2 0 0 0 0 0 1 1 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

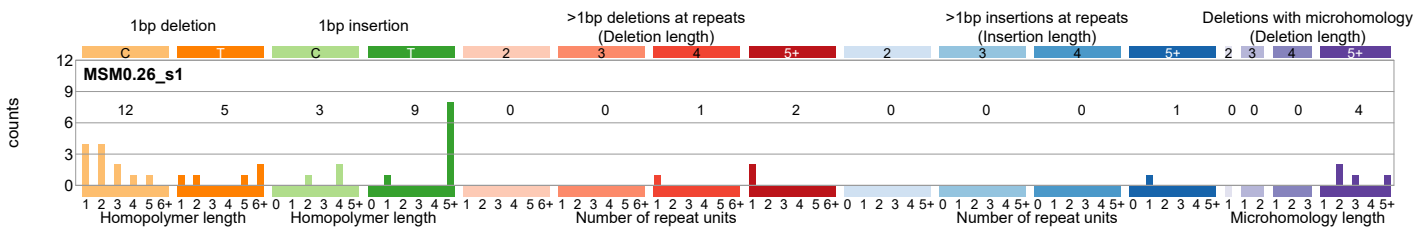

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.24_s1
1 1 2 9 1 0 0 0 0 0 3 2 0 0 1 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

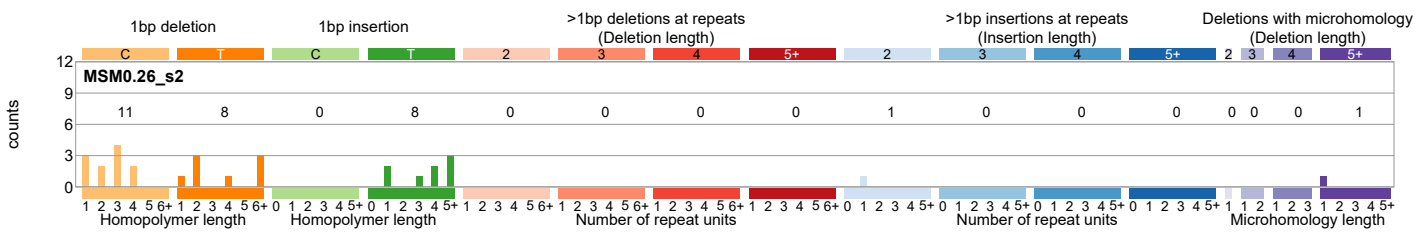

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.24_s3
0 0 0 4 0 0 0 0 1 0 0 0 0 0 0 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

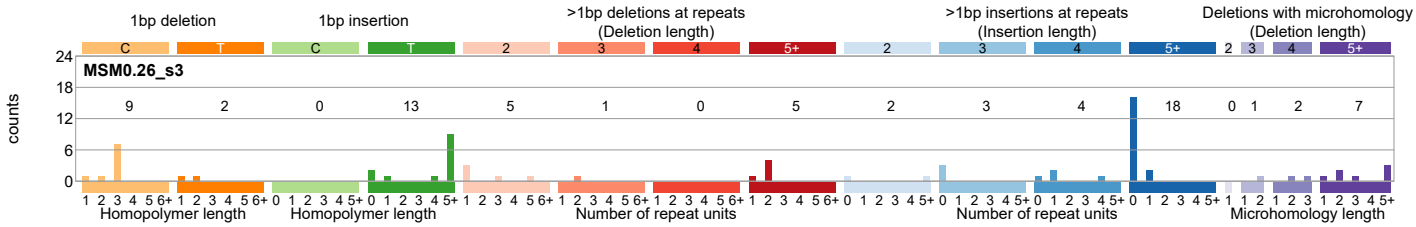

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.24_s4
1 2 1 5 2 0 0 0 1 0 1 1 0 1 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

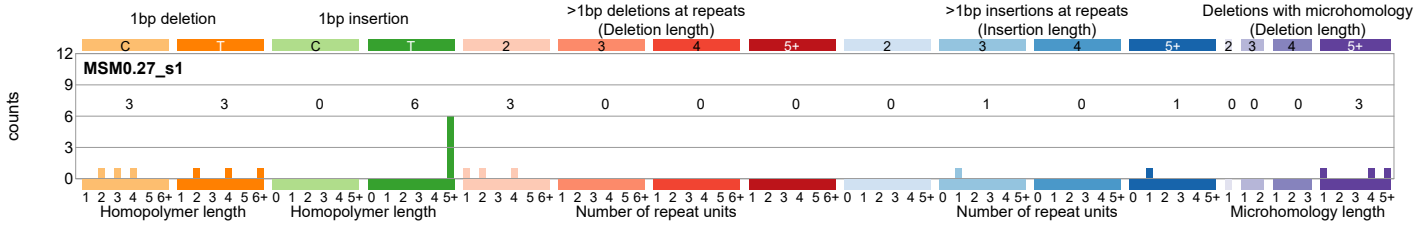

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.25_s1
0 1 0 2 1 0 0 0 1 0 1 0 0 0 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

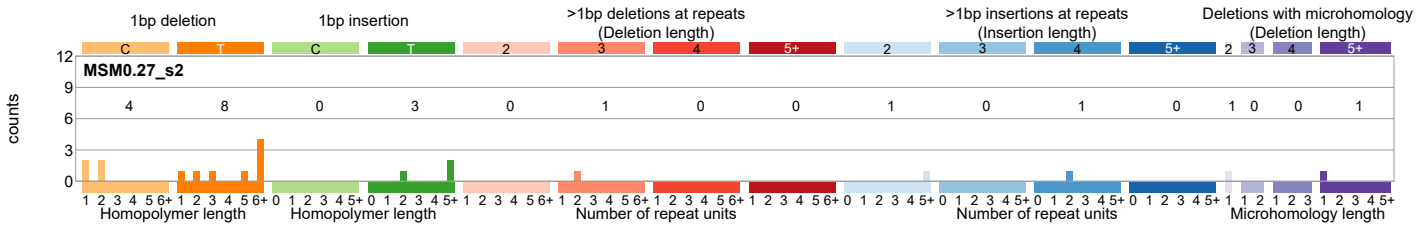

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.25_s2
2 3 0 10 1 0 1 2 0 0 0 1 0 0 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

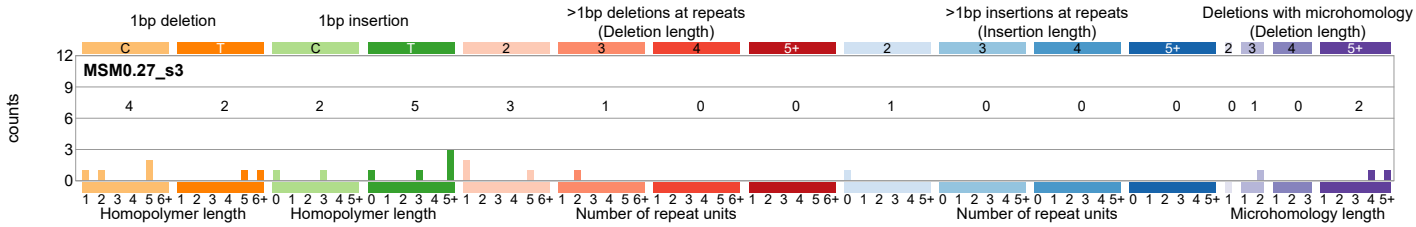

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.26_s1
12 5 3 9 0 0 1 2 0 0 0 1 0 0 0 4
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

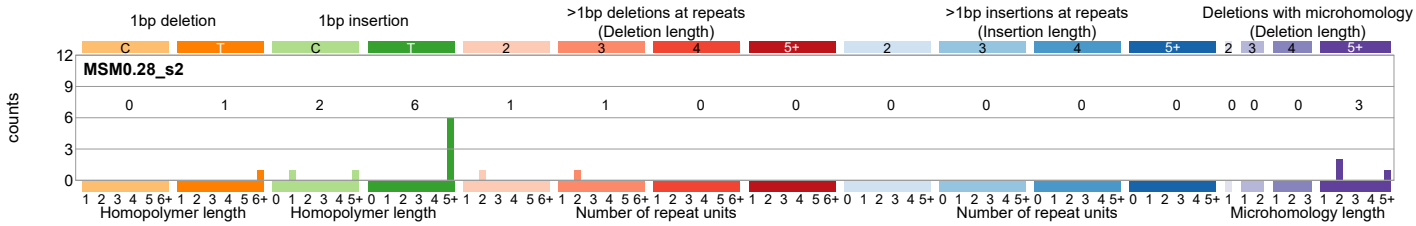

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.26_s2
11 8 0 8 0 0 0 0 1 0 0 0 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

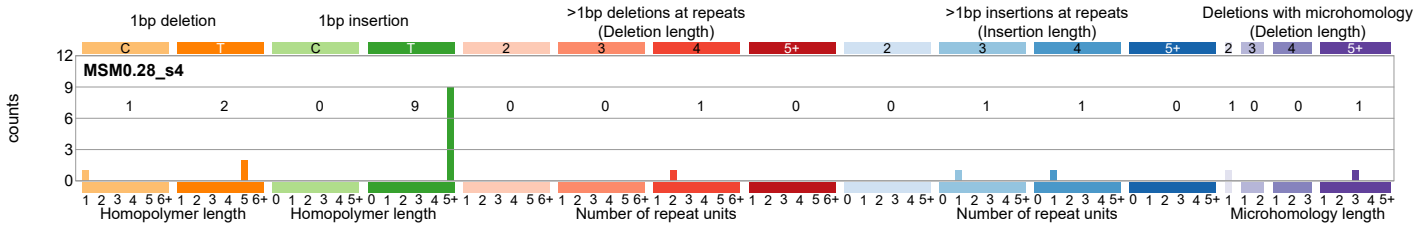

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.26_s3
9 2 0 13 5 1 0 5 2 3 4 18 0 1 2 7
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

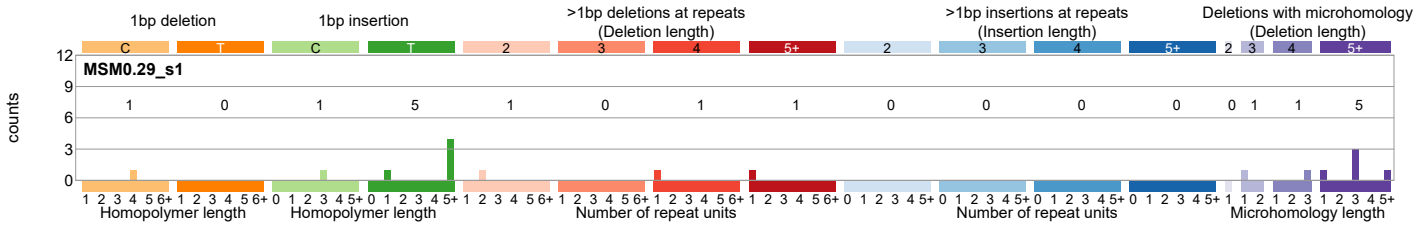

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.27_s1
3 3 0 6 3 0 0 0 0 1 0 1 0 0 0 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.27_s2
4 8 0 3 0 1 0 0 1 0 1 0 1 0 0 1
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)
MSM0.27_s3
4 2 2 5 3 1 0 0 1 0 0 0 0 1 0 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)
MSM0.28_s2
0 1 2 6 1 1 0 0 0 0 0 0 0 0 0 3
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)
MSM0.28_s4
1 2 0 9 0 0 1 0 0 1 1 0 1 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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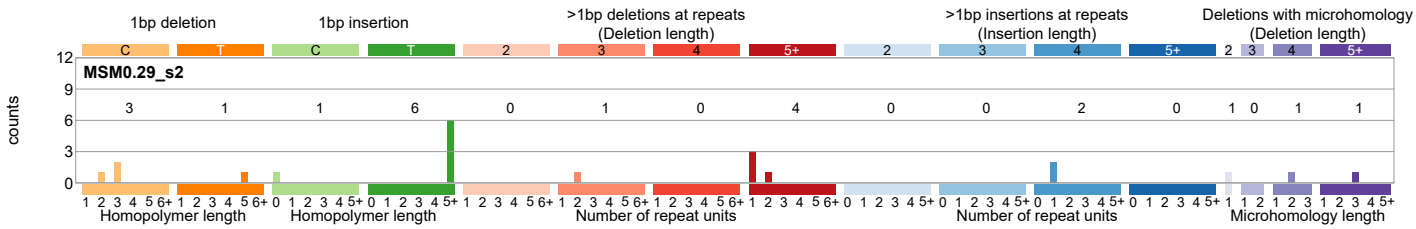
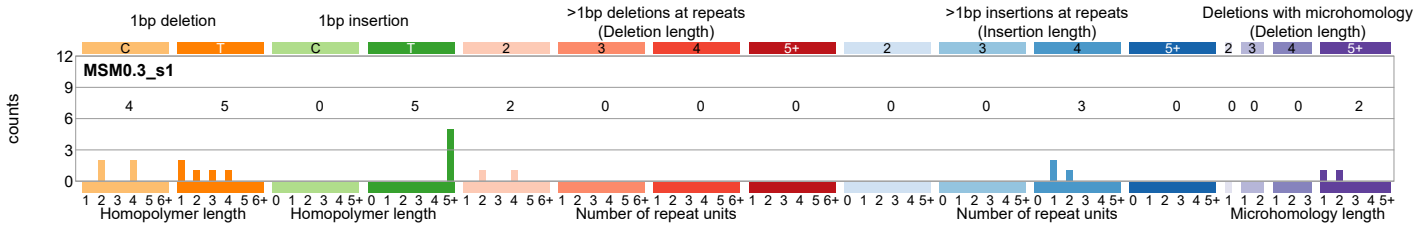
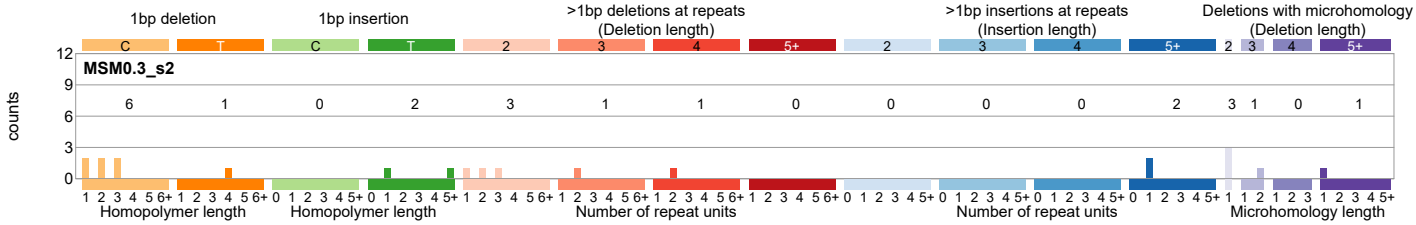
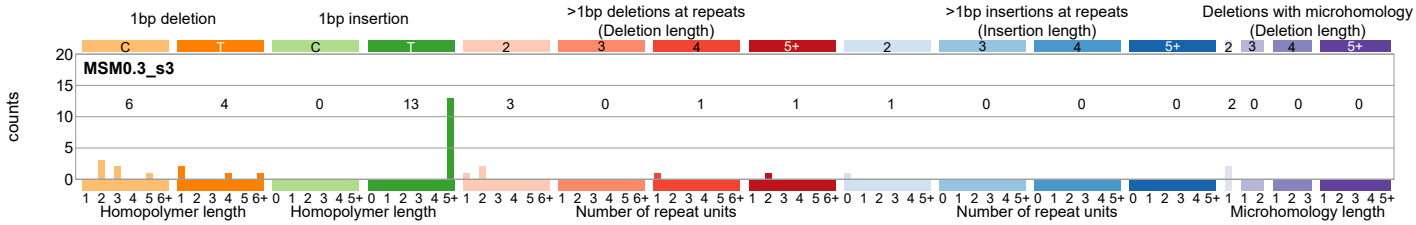
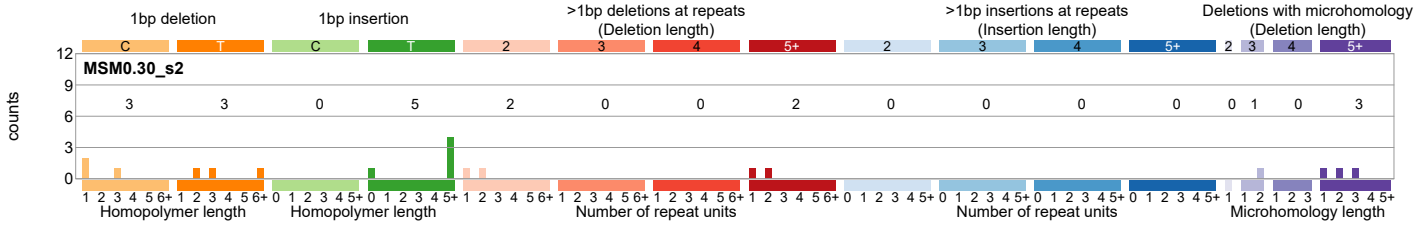
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.29_s1
1 0 1 5 1 0 1 1 0 0 0 0 0 1 1 5
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

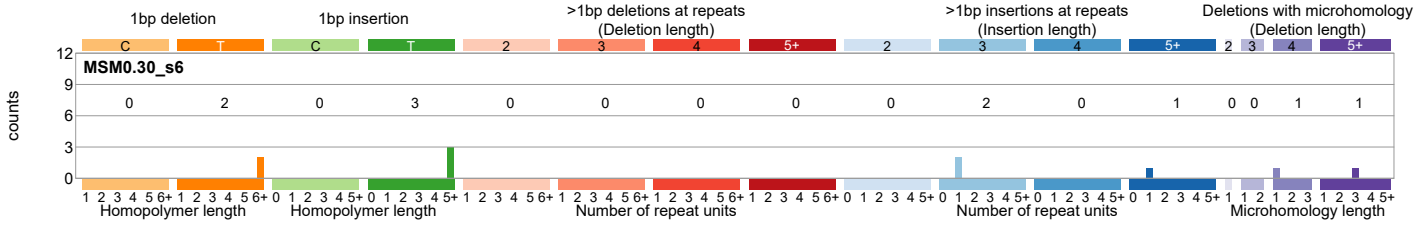

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.29_s2
3 1 1 6 0 1 0 4 0 0 2 0 1 0 1 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.3_s1
4 5 0 5 2 0 0 0 0 0 3 0 0 0 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)
MSM0.3_s2
6 1 0 2 3 1 1 0 0 0 0 2 3 1 0 1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.3_s3
6 4 0 13 3 0 1 1 1 0 0 0 2 0 0 0
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.30_s2
3 3 0 5 2 0 0 2 0 0 0 0 0 1 0 3
counts
Homopolymer length
Number of repeat units
Microhomology length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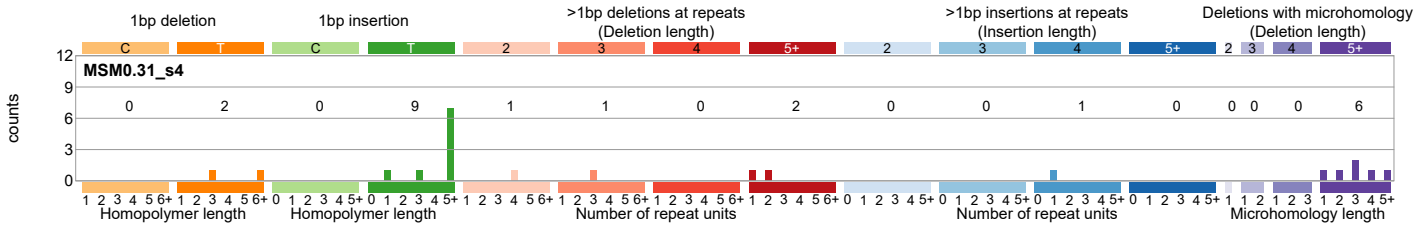
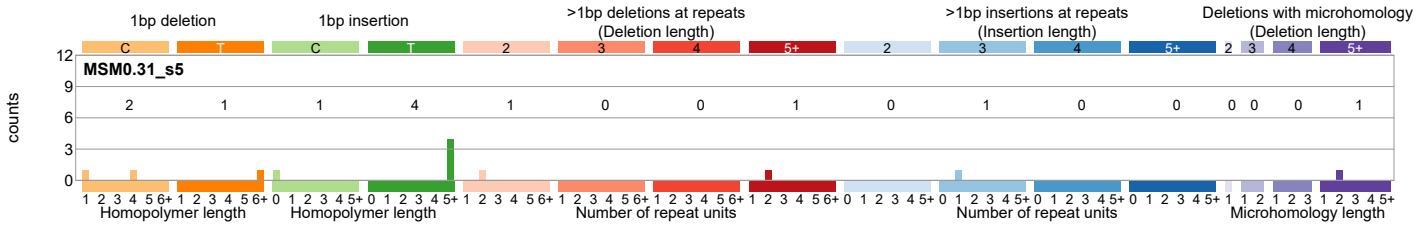
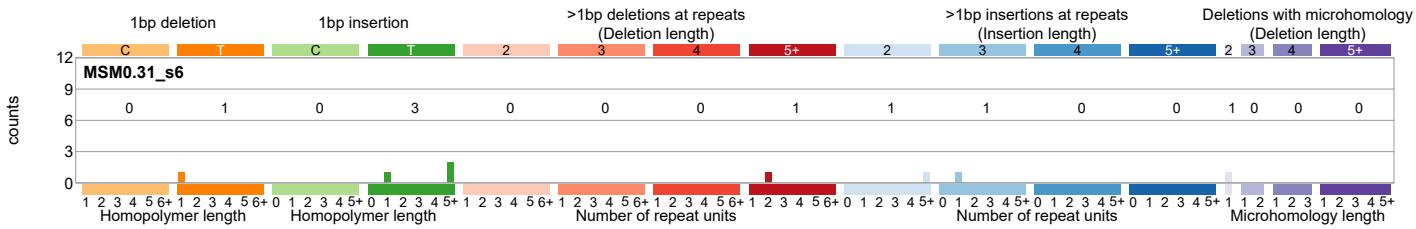
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.30_s6
0 2 0 3 0 0 0 0 0 2 0 1 0 0 1 1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.31_s4
0 2 0 9 1 1 0 2 0 0 1 0 0 0 0 6
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.31_s5
2 1 1 4 1 0 0 1 0 1 0 0 0 0 0 1
counts
Homopolymer length
Number of repeat units
Microhomology length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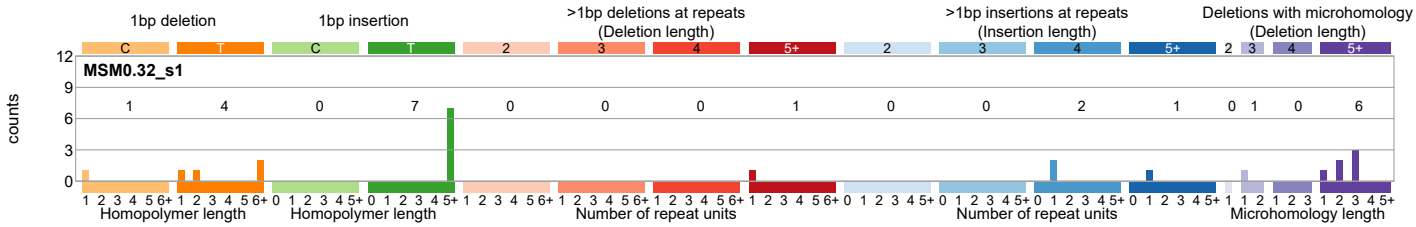
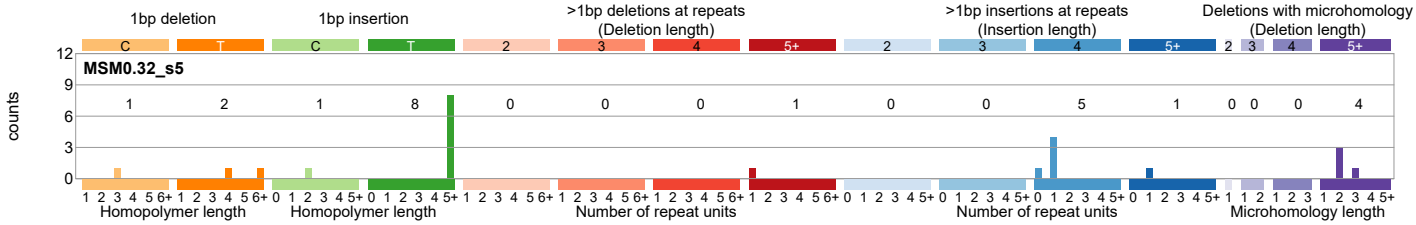
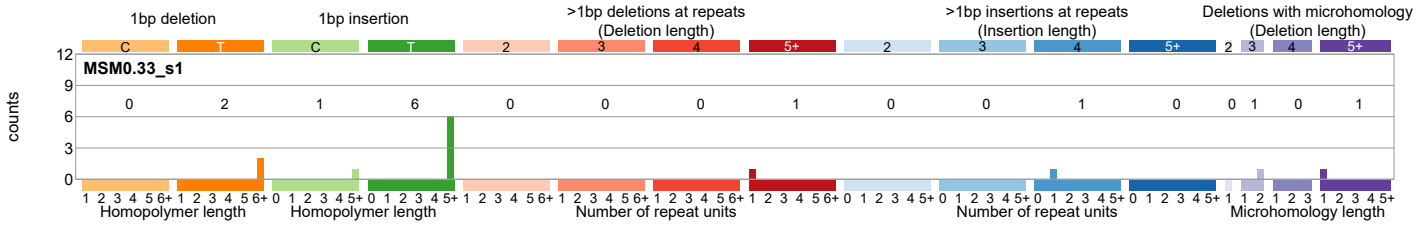
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.31_s6
0 1 0 3 0 0 0 1 1 1 0 0 1 0 0 0
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.32_s1
1 4 0 7 0 0 0 1 0 0 2 1 0 1 0 6
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)
MSM0.32_s5
1 2 1 8 0 0 0 1 0 0 5 1 0 0 0 4
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)
MSM0.33_s1
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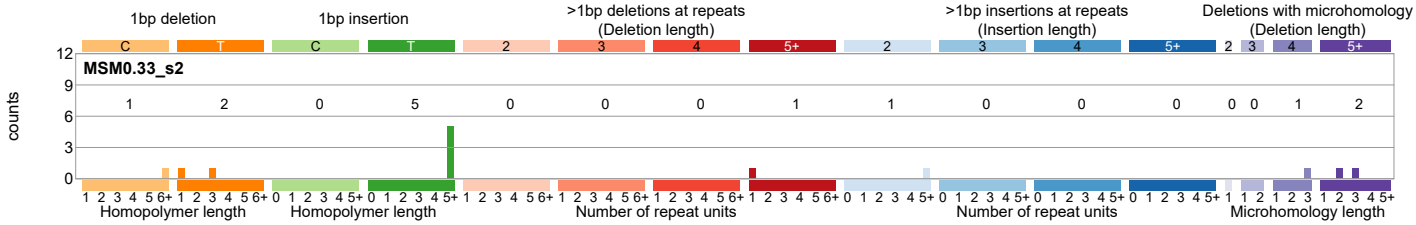
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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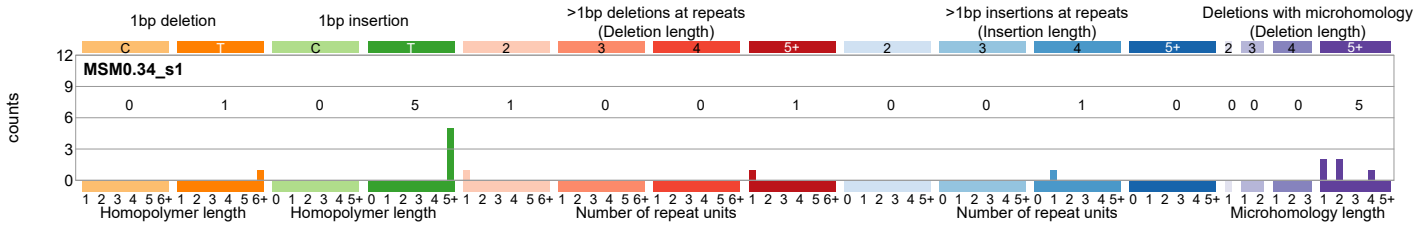
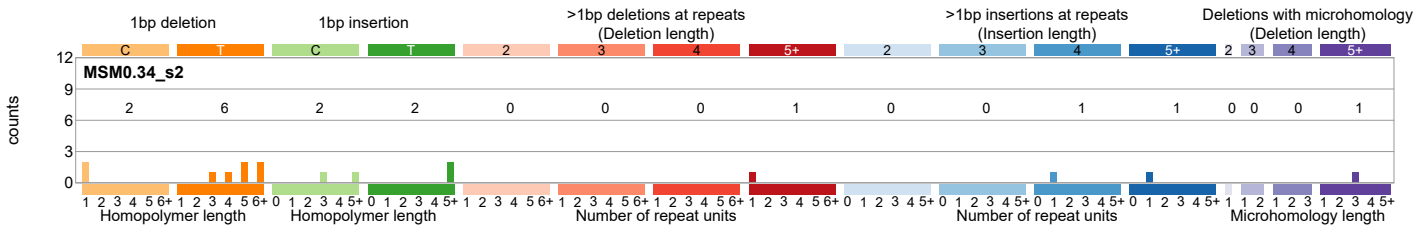
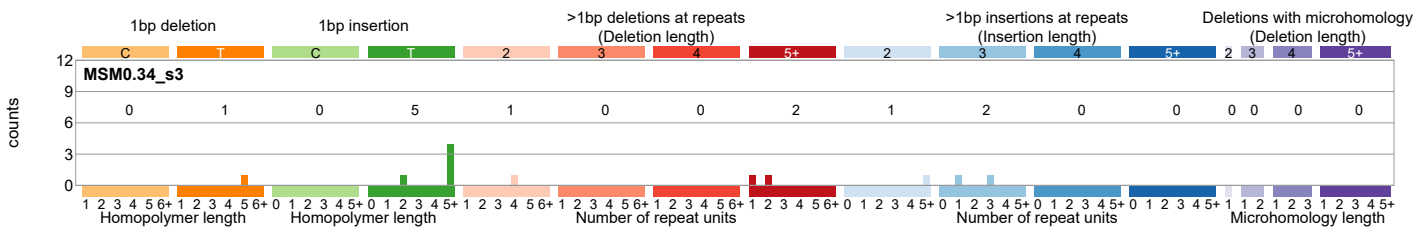
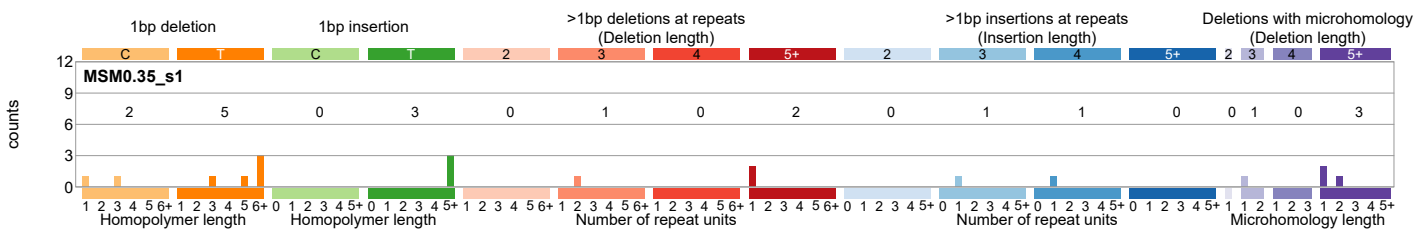
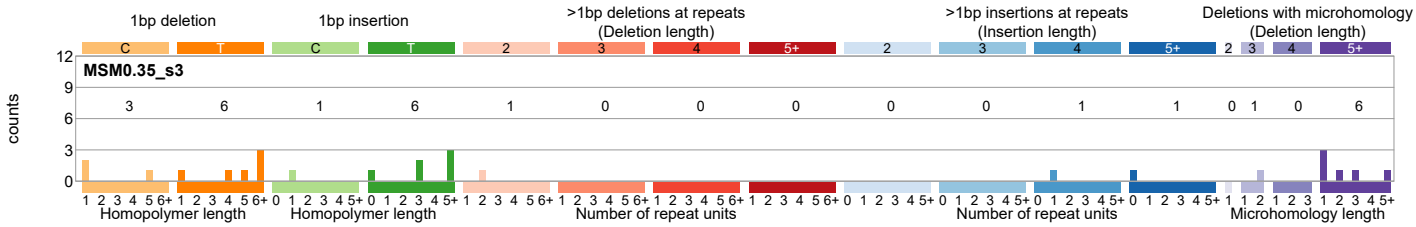
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.33_s2
1 2 0 5 0 0 0 1 1 0 0 0 0 0 1 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

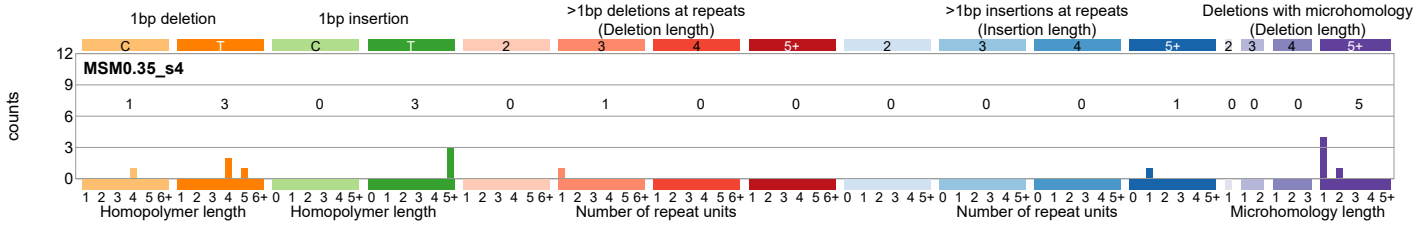

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.34_s1
0 1 0 5 1 0 0 1 0 0 1 0 0 0 0 5
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

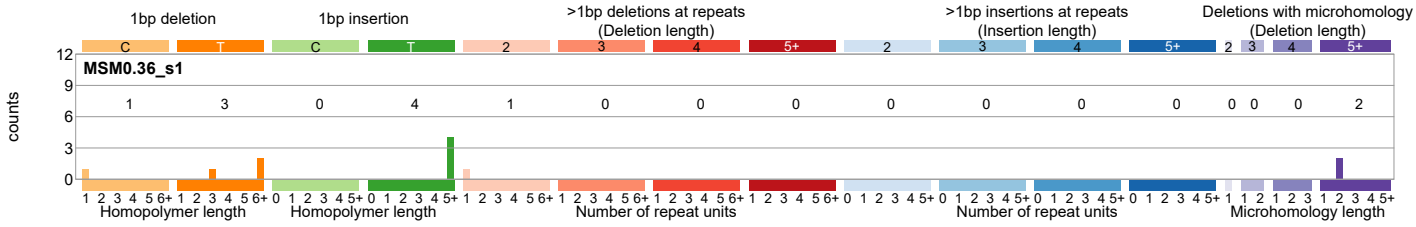

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.34_s2
2 6 2 2 0 0 0 1 0 0 1 1 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

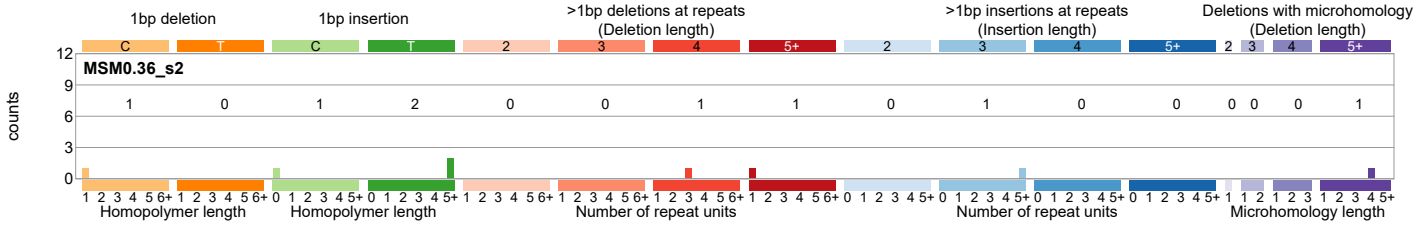

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.34_s3
0 1 0 5 1 0 0 2 1 2 0 0 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

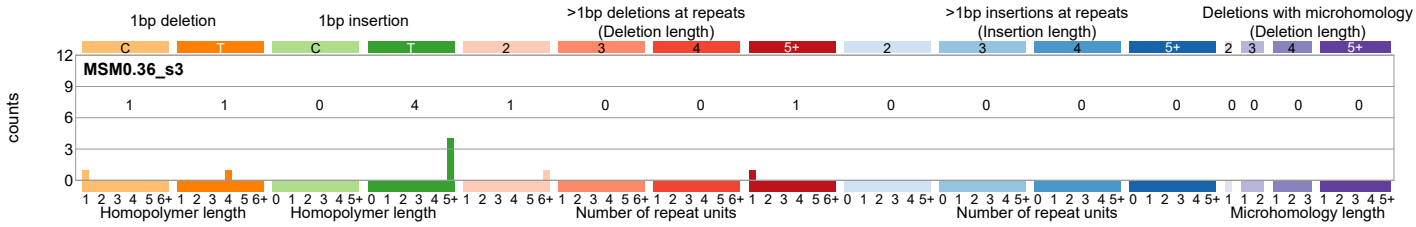

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.35_s1
2 5 0 3 0 1 0 2 0 1 1 0 0 1 0 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

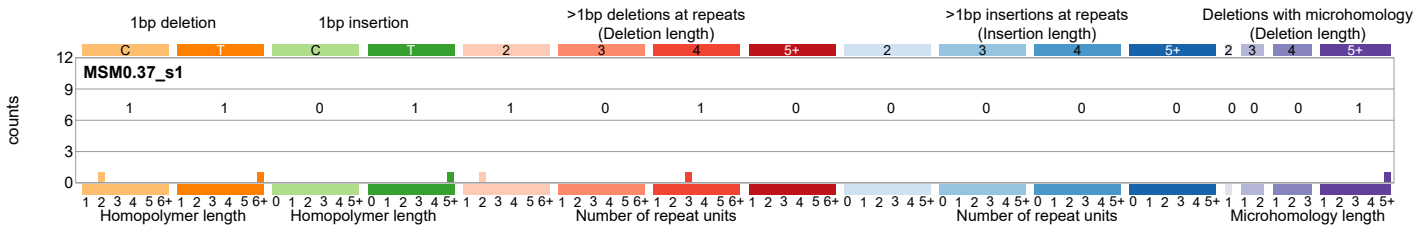

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.35_s3
3 6 1 6 1 0 0 0 0 0 1 1 0 1 0 6
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

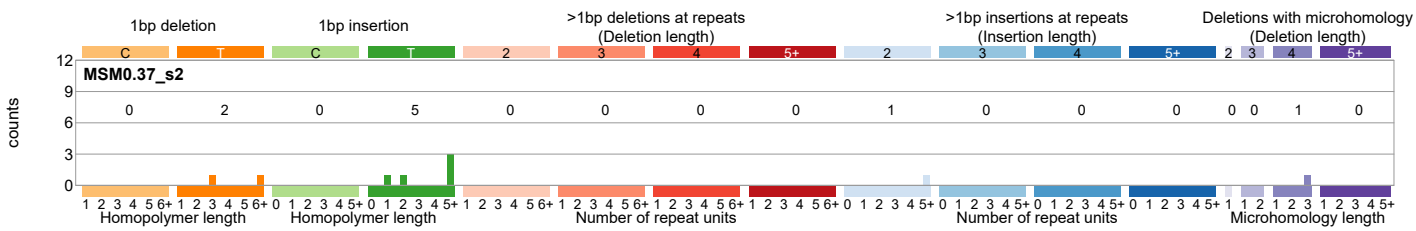

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.35_s4
1 3 0 3 0 1 0 0 0 0 0 1 0 0 0 5
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

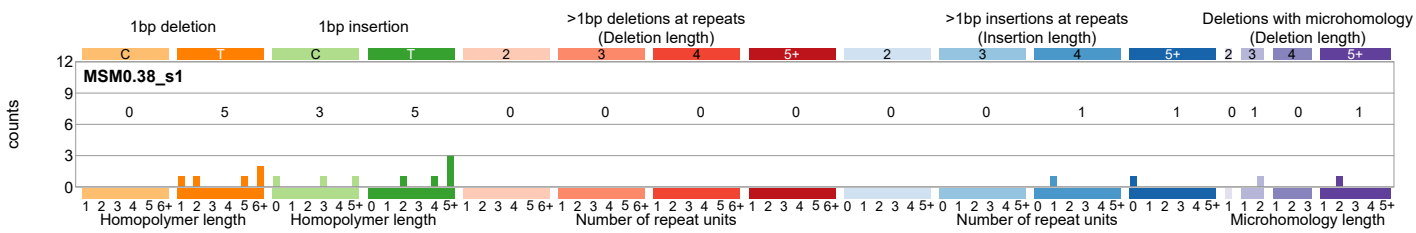

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.36_s1
1 3 0 4 1 0 0 0 0 0 0 0 0 0 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

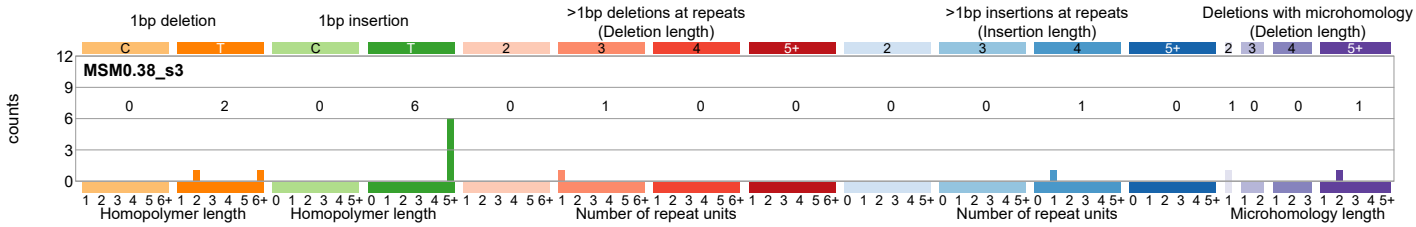

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.36_s2
1 0 1 2 0 0 1 1 0 1 0 0 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

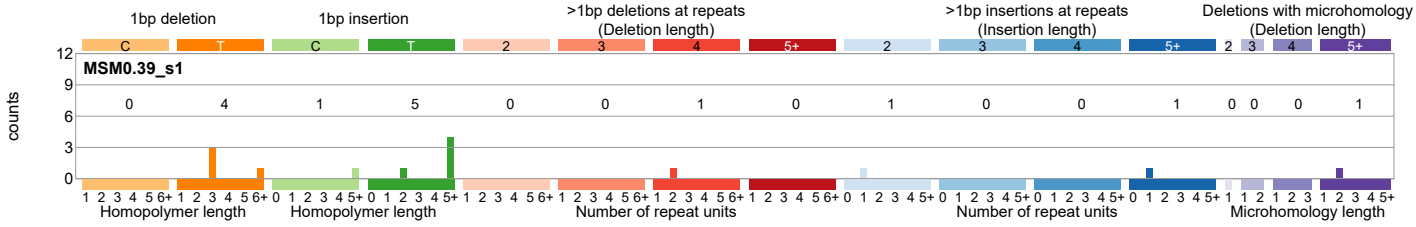

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.36_s3
1 1 0 4 1 0 0 1 0 0 0 0 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

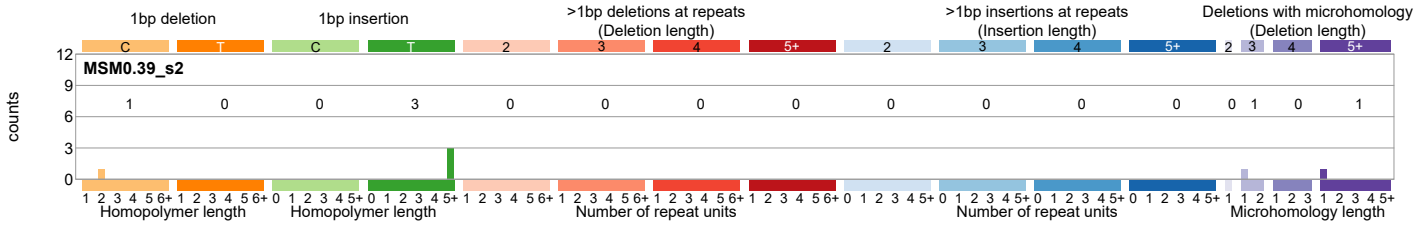

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.37_s1
1 1 0 1 1 0 1 0 0 0 0 0 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

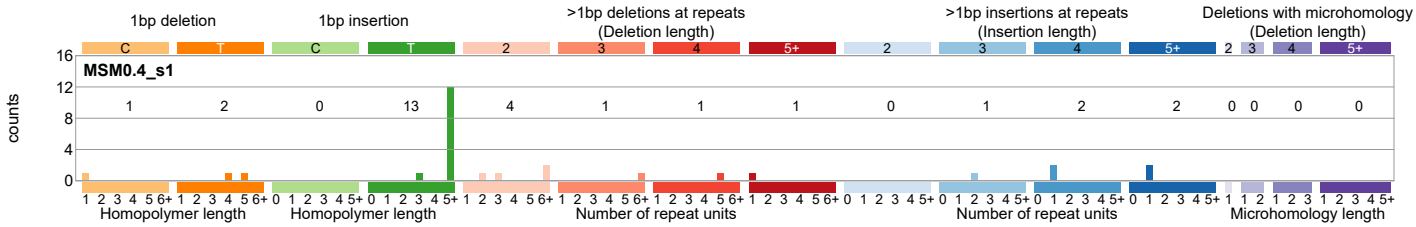

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.37_s2
0 2 0 5 0 0 0 0 1 0 0 0 0 0 1 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

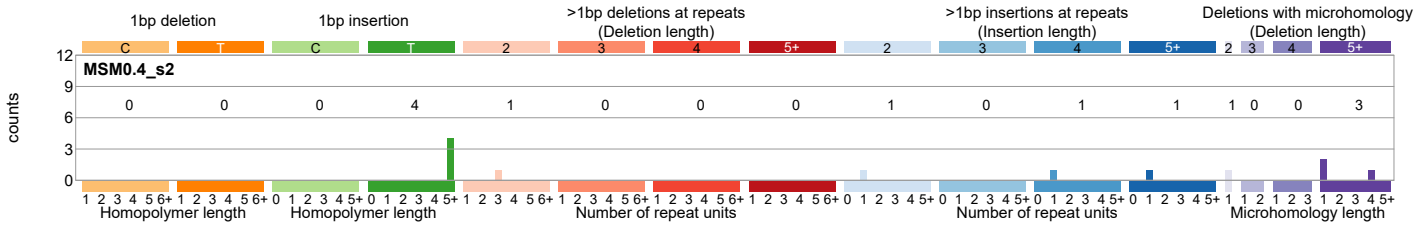

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.38_s1
0 5 3 5 0 0 0 0 0 0 1 1 0 1 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

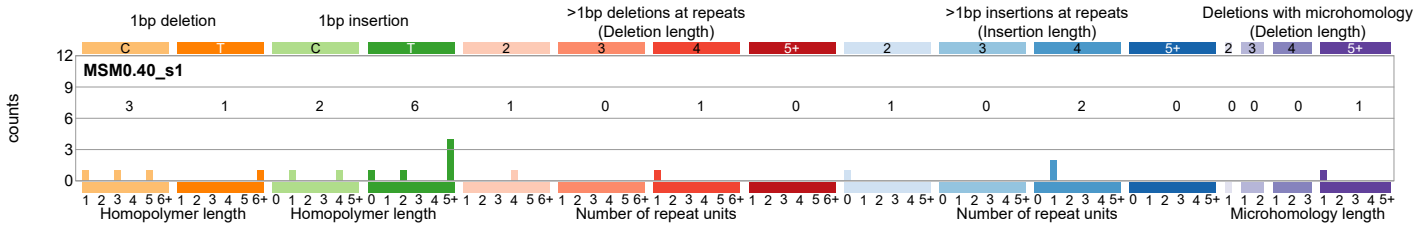

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.38_s3
0 2 0 6 0 1 0 0 0 0 1 0 1 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

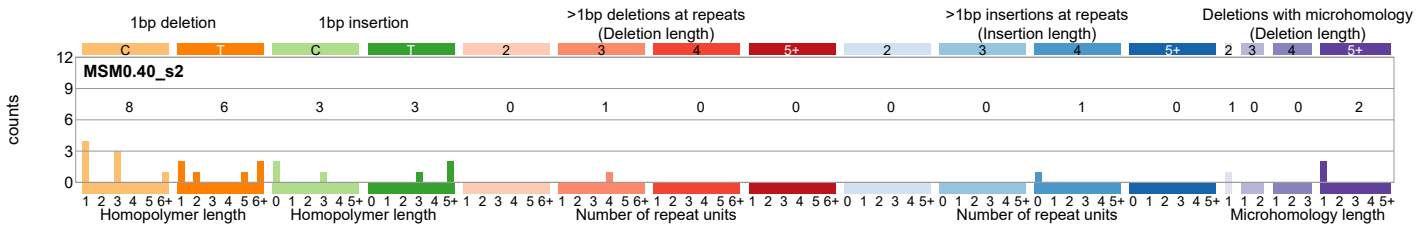

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.39_s1
0 4 1 5 0 0 1 0 1 0 0 1 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

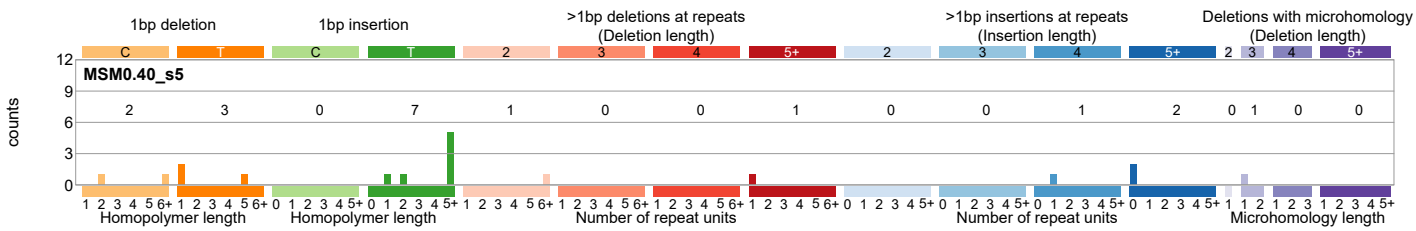

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.39_s2
1 0 0 3 0 0 0 0 0 0 0 0 0 1 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

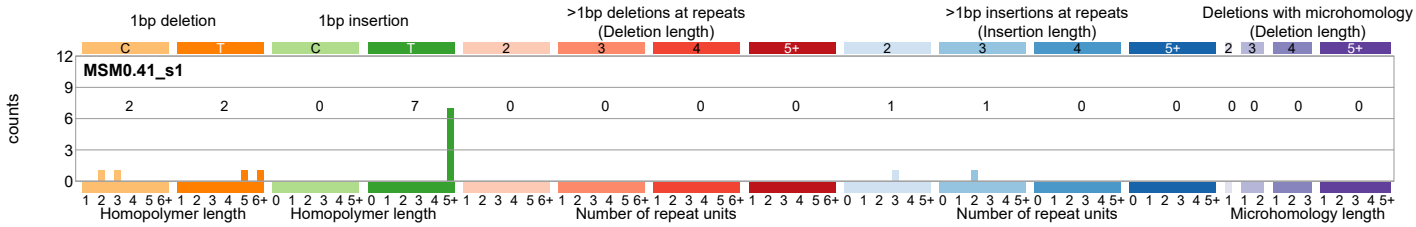

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.4_s1
1 2 0 13 4 1 1 1 0 1 2 2 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

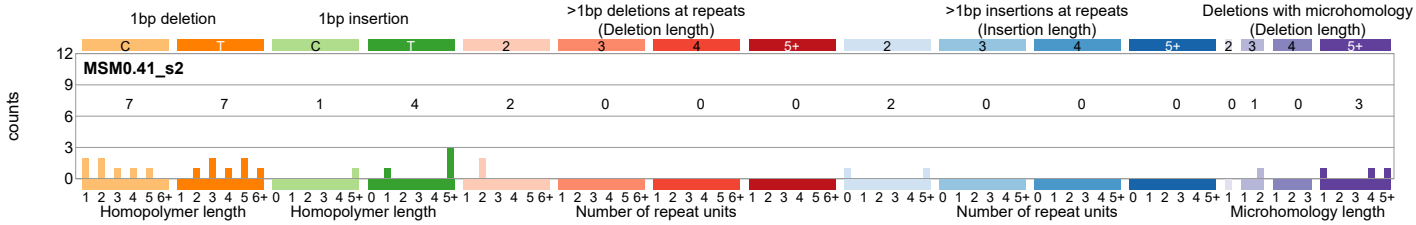

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.4_s2
0 0 0 4 1 0 0 0 1 0 1 1 1 0 0 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

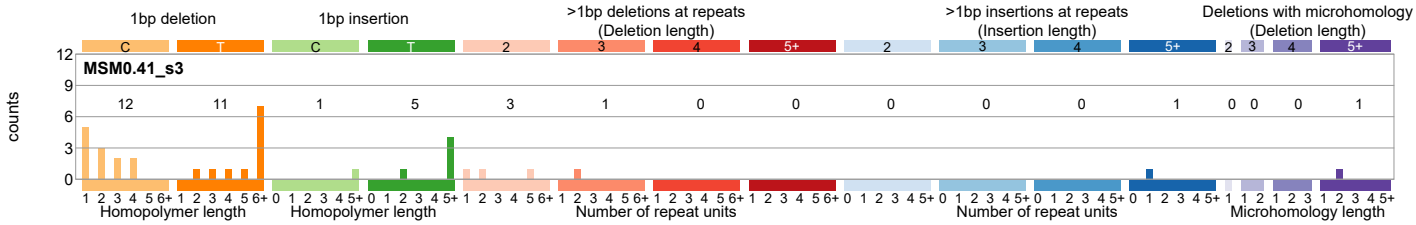

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.40_s1
3 1 2 6 1 0 1 0 1 0 2 0 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat 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+
MSM0.40_s2
8 6 3 3 0 1 0 0 0 0 1 0 1 0 0 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+
MSM0.40_s5
2 3 0 7 1 0 0 1 0 0 1 2 0 1 0 0
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)
MSM0.41_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.41_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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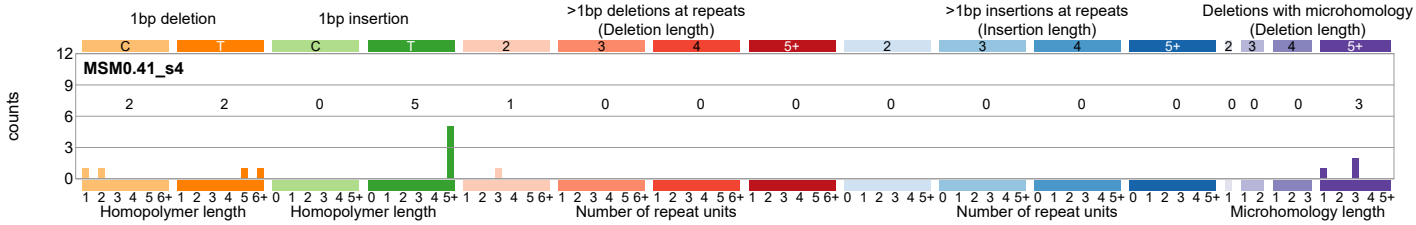
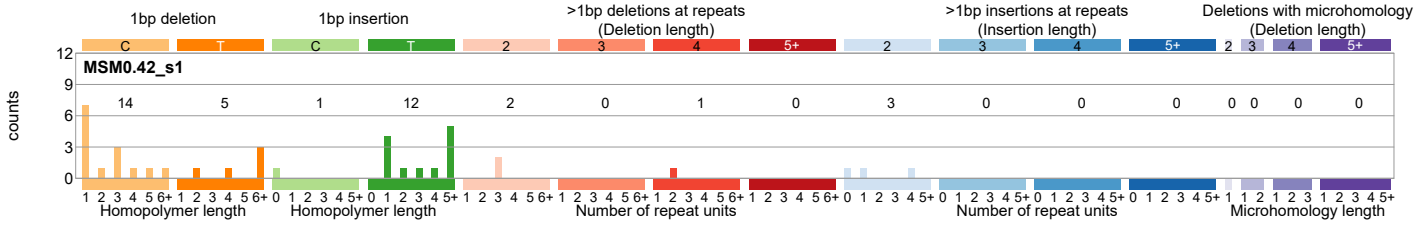
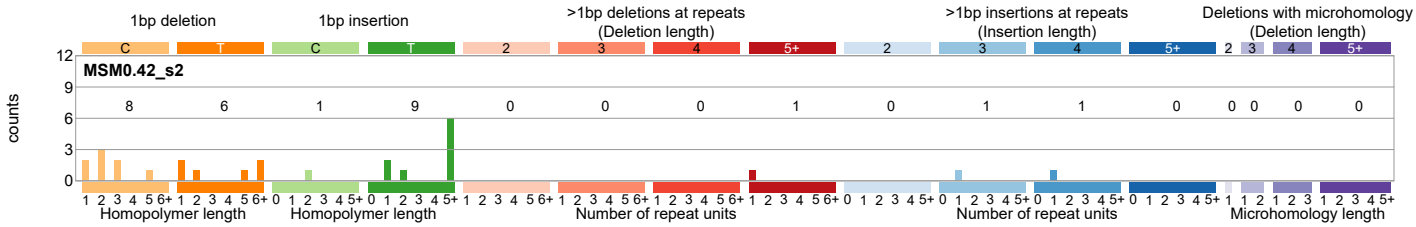
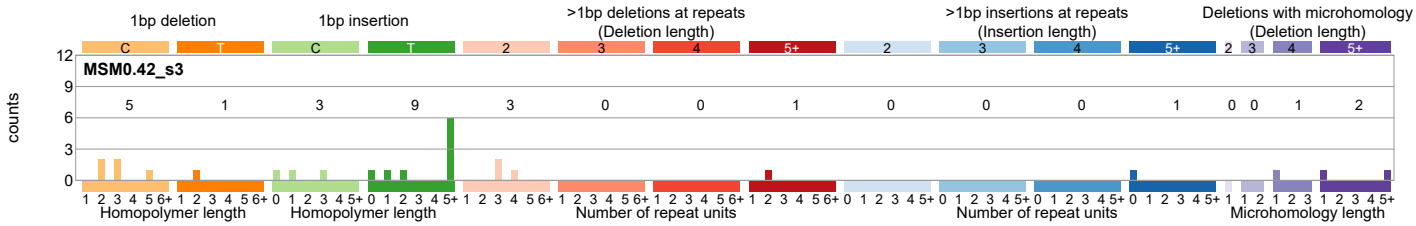
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.41_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.41_s4
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.42_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.42_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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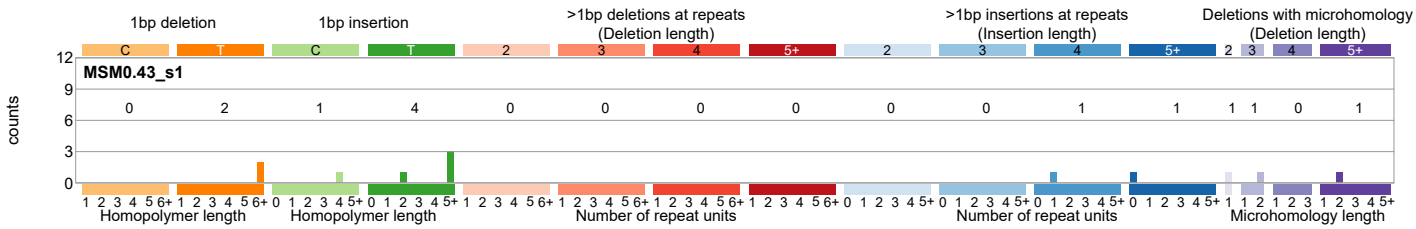
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.42_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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>1bp deletions at repeats (Deletion length)
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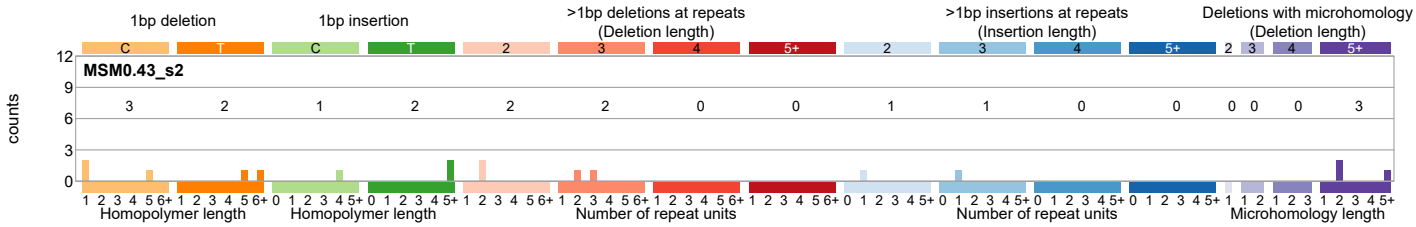
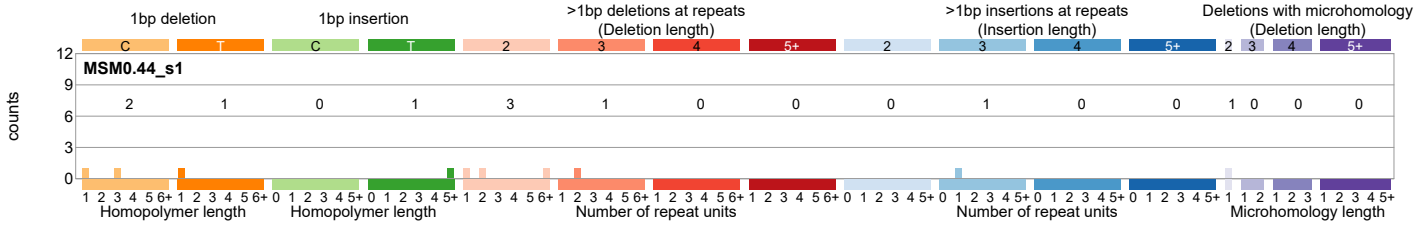
Deletions with microhomology (Deletion length)
MSM0.43_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.43_s2
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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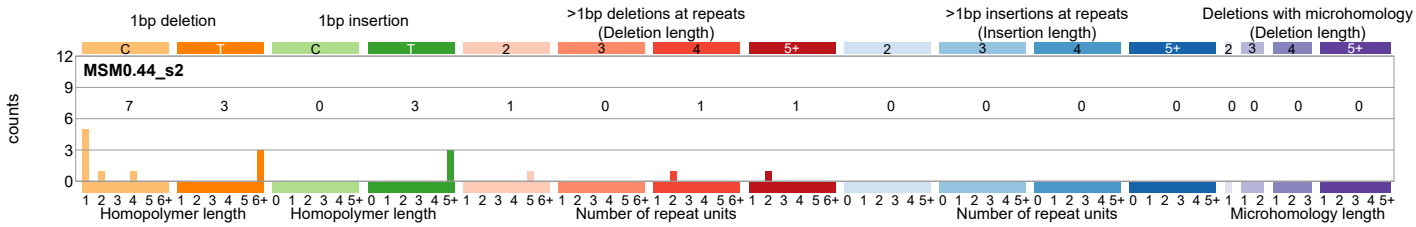
Deletions with microhomology (Deletion length)
MSM0.44_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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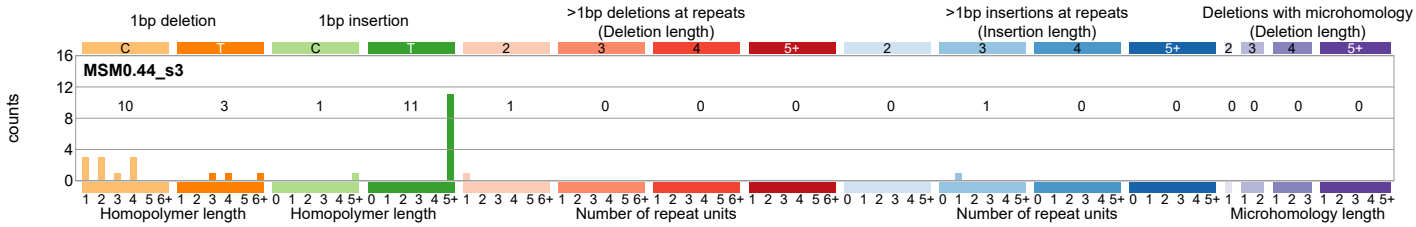
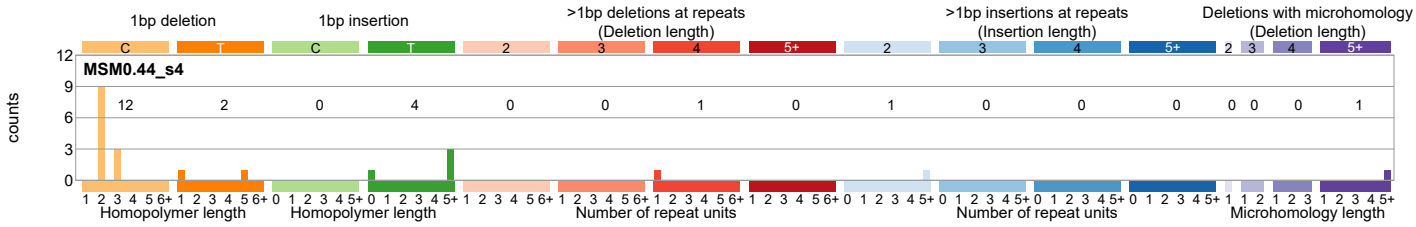
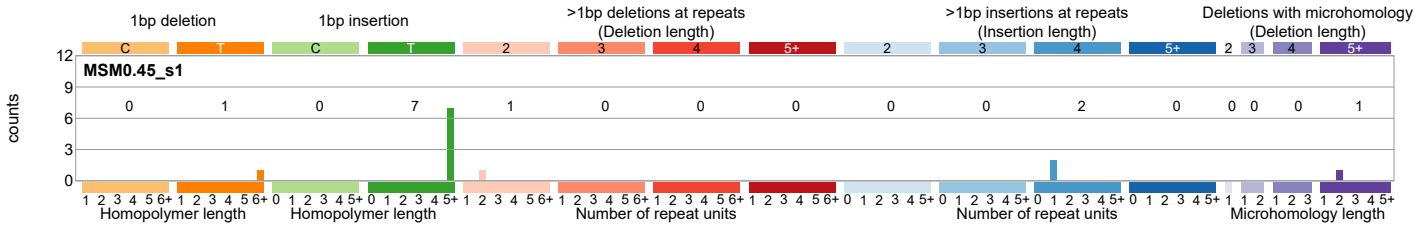
Deletions with microhomology (Deletion length)
MSM0.44_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.44_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.44_s4
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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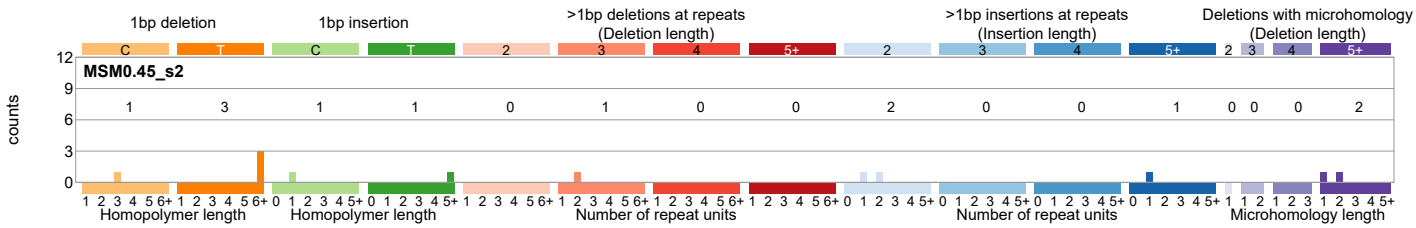
Deletions with microhomology (Deletion length)
MSM0.45_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
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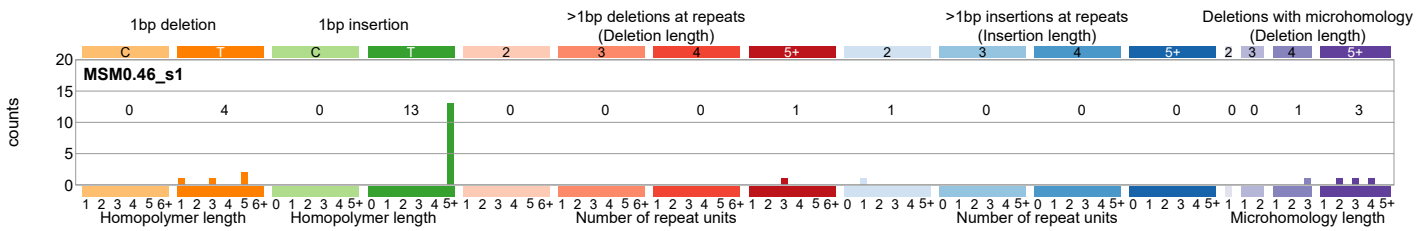
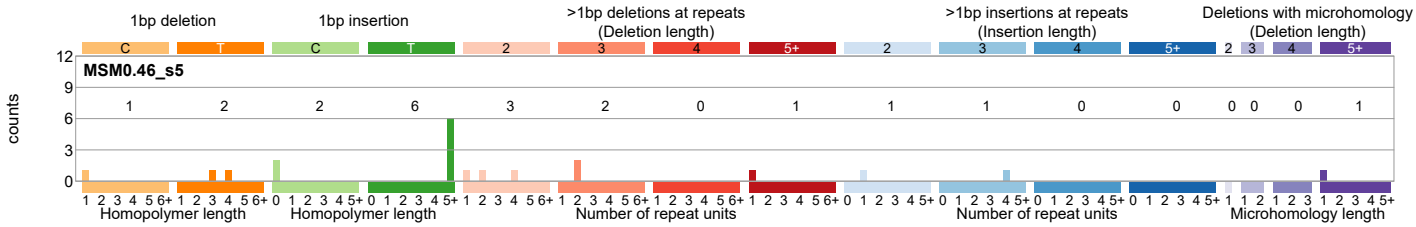
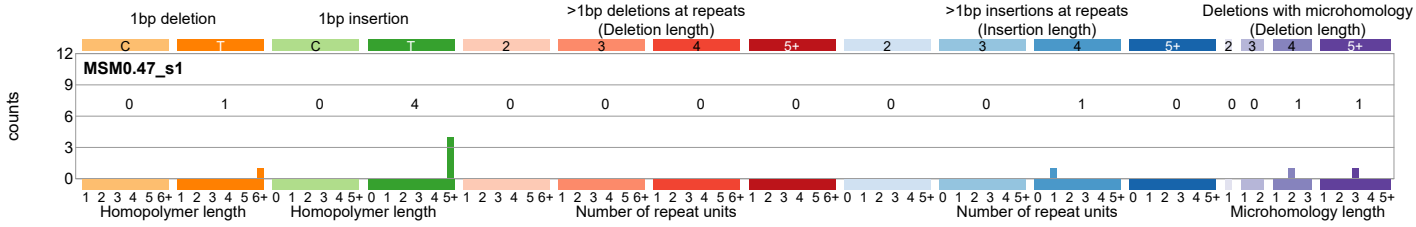
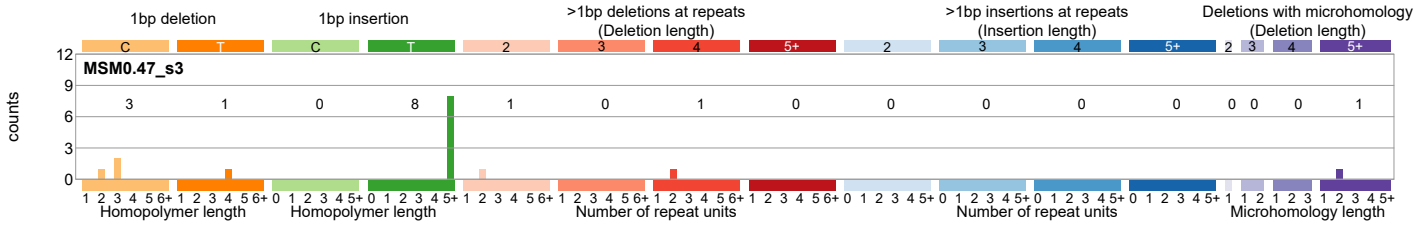
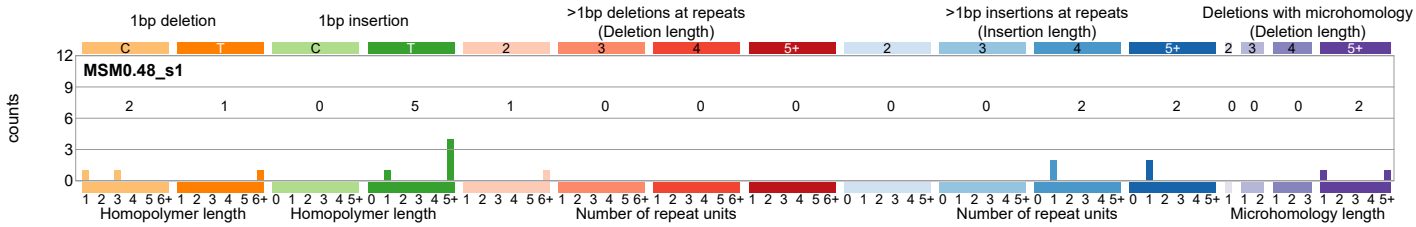
Deletions with microhomology (Deletion length)
MSM0.45_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

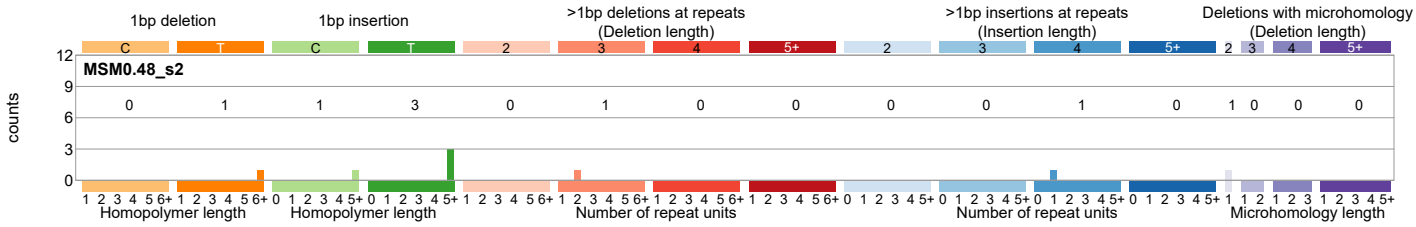

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.46_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

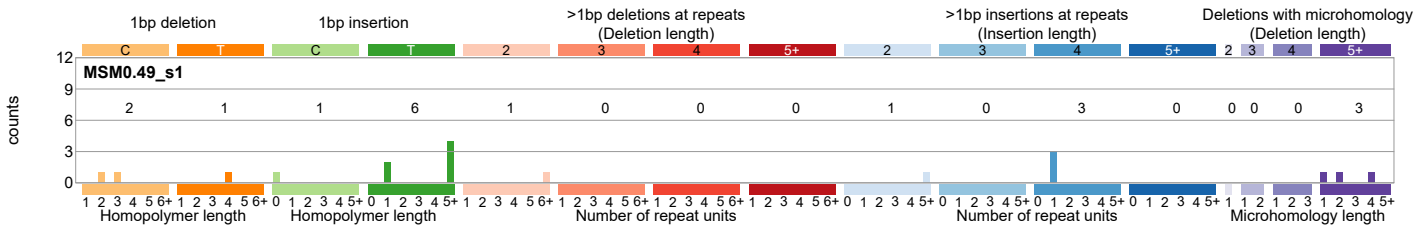

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.46_s5
1 2 2 6 3 2 0 1 1 1 0 0 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

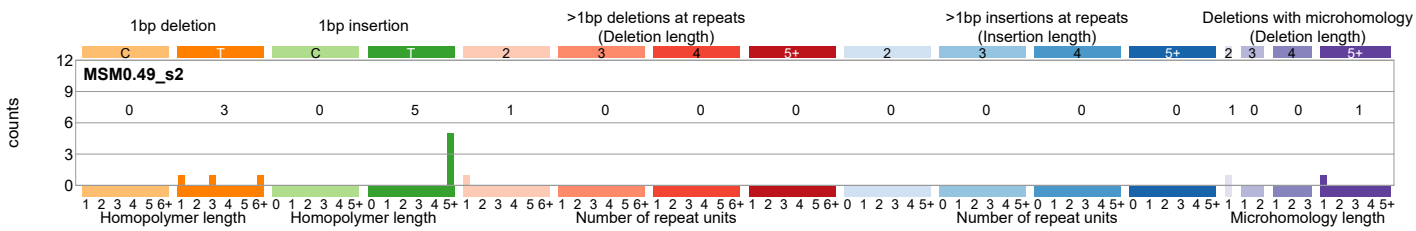

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.47_s1
0 1 0 4 0 0 0 0 0 0 1 0 0 0 1 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

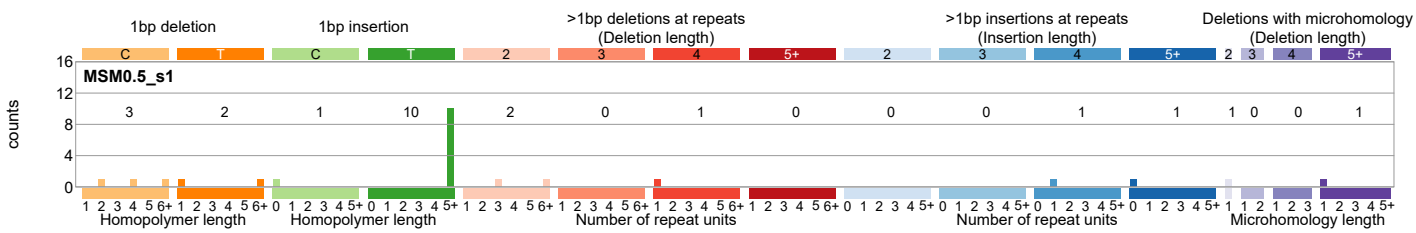

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.47_s3
3 1 0 8 1 0 1 0 0 0 0 0 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

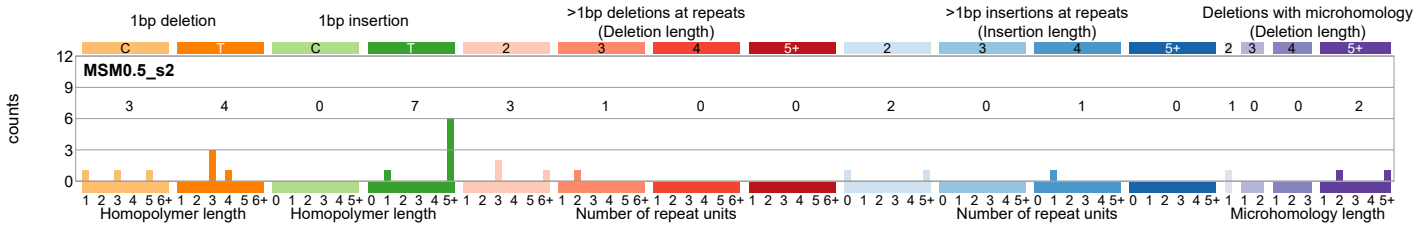

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.48_s1
2 1 0 5 1 0 0 0 0 0 2 2 0 0 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

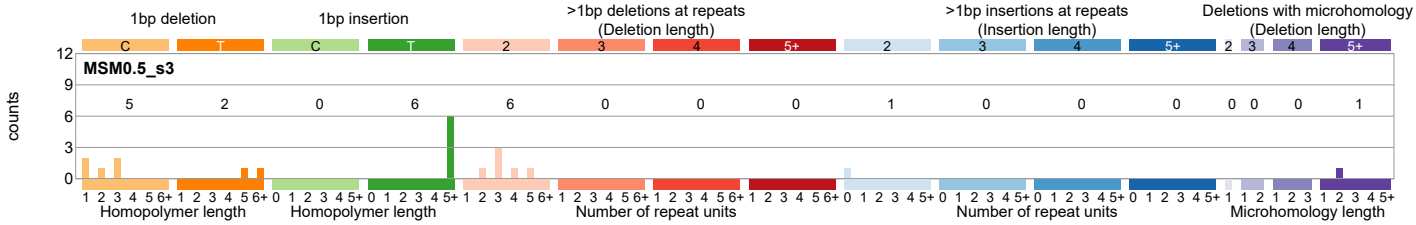

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.48_s2
0 1 1 3 0 1 0 0 0 0 1 0 1 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

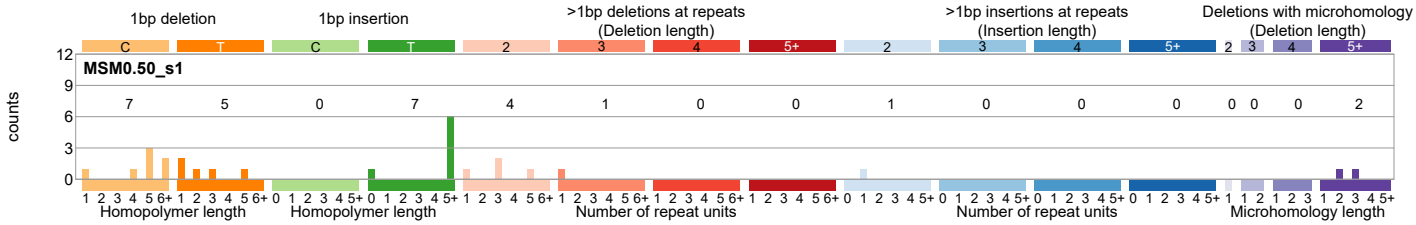

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.49_s1
2 1 1 6 1 0 0 0 1 0 3 0 0 0 0 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

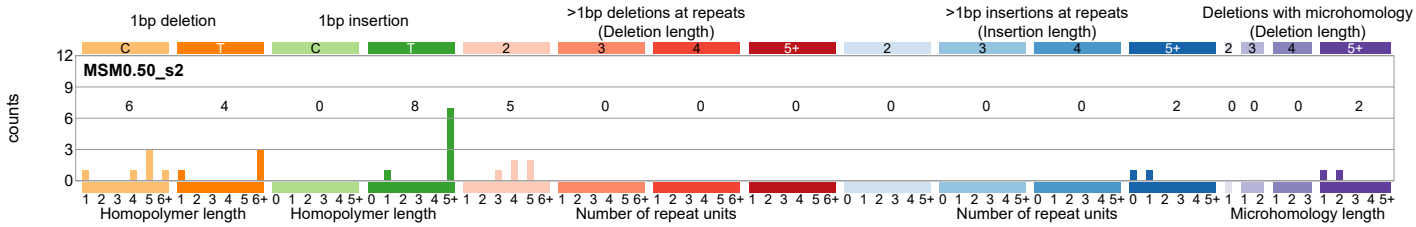

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.49_s2
0 3 0 5 1 0 0 0 0 0 0 0 1 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

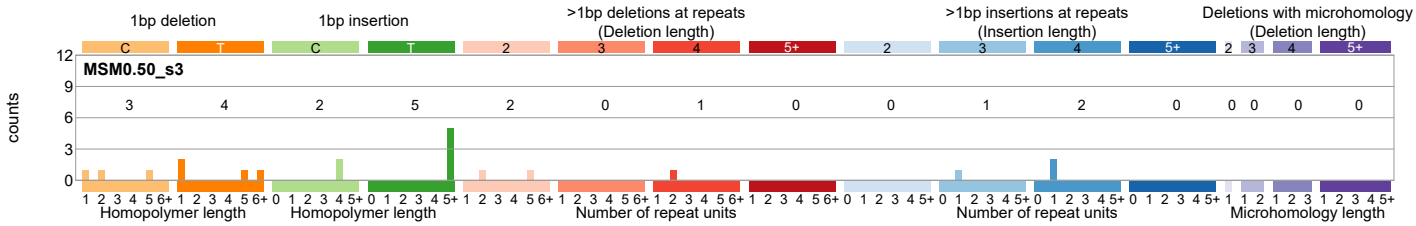

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.5_s1
3 2 1 10 2 0 1 0 0 0 1 1 1 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat 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+
MSM0.5_s2
3 4 0 7 3 1 0 0 2 0 1 0 1 0 0 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+
MSM0.5_s3
5 2 0 6 6 0 0 0 1 0 0 0 0 0 0 1
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+
MSM0.50_s1
7 5 0 7 4 1 0 0 1 0 0 0 0 0 0 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+
MSM0.50_s2
6 4 0 8 5 0 0 0 0 0 0 2 0 0 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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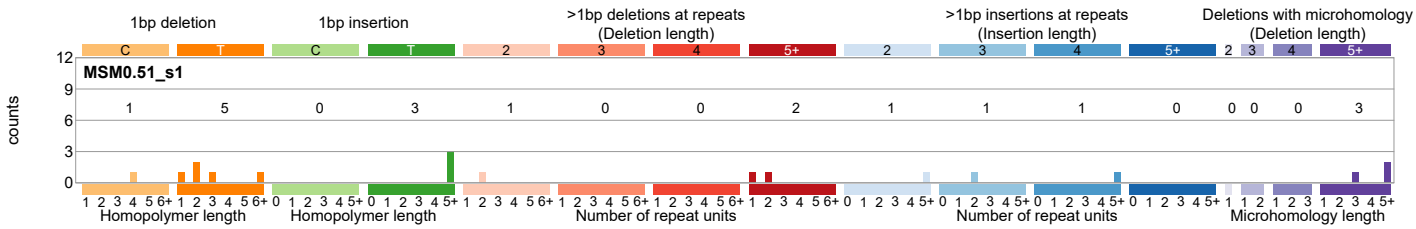
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.50_s3
3 4 2 5 2 0 1 0 0 1 2 0 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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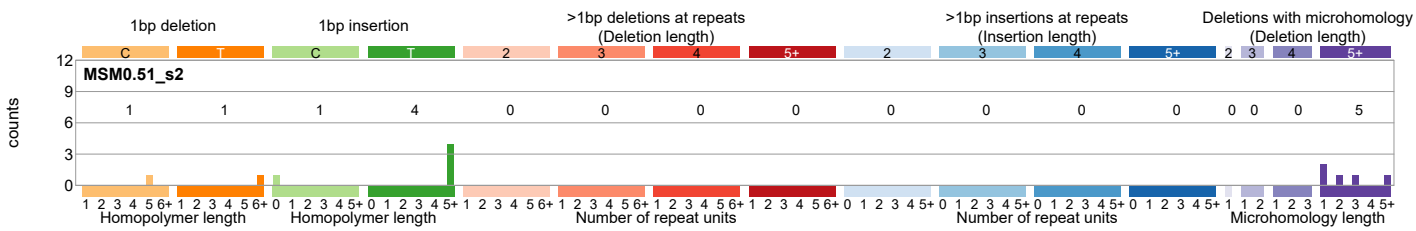
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.51_s1
1 5 0 3 1 0 0 2 1 1 1 0 0 0 0 3
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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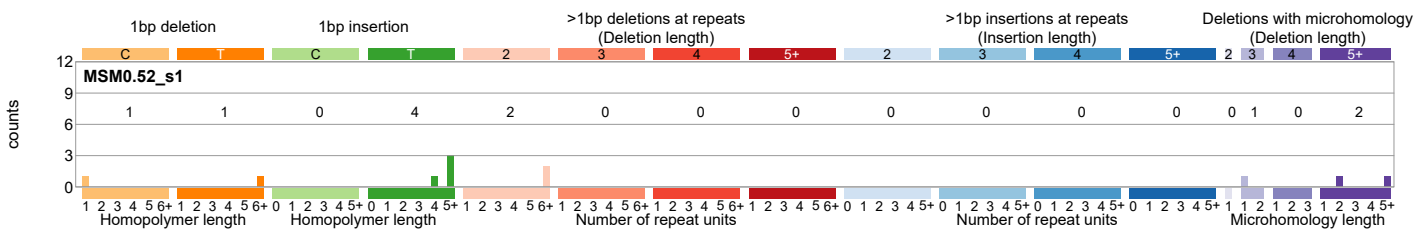
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.51_s2
1 1 1 4 0 0 0 0 0 0 0 0 0 0 0 5
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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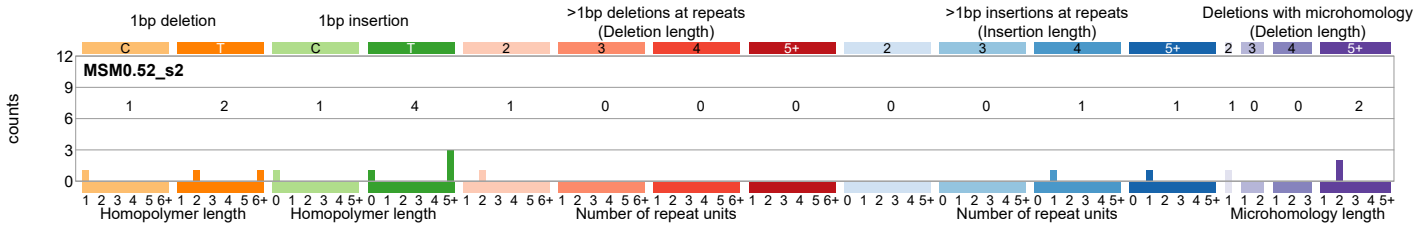
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.52_s1
1 1 0 4 2 0 0 0 0 0 0 0 0 1 0 2
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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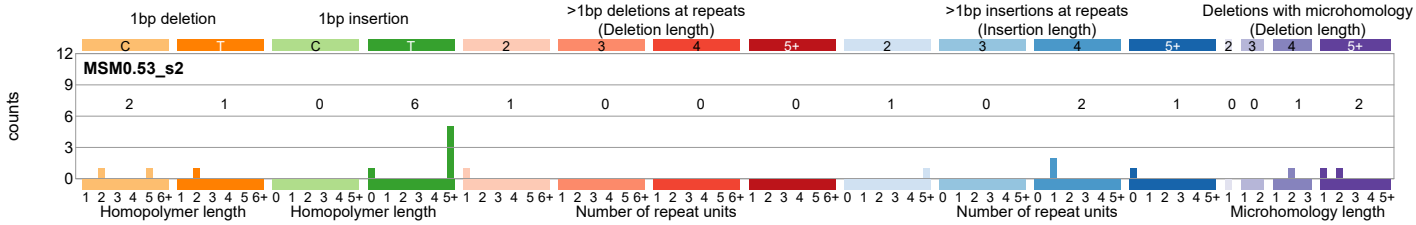
Deletions with microhomology (Deletion length)
MSM0.52_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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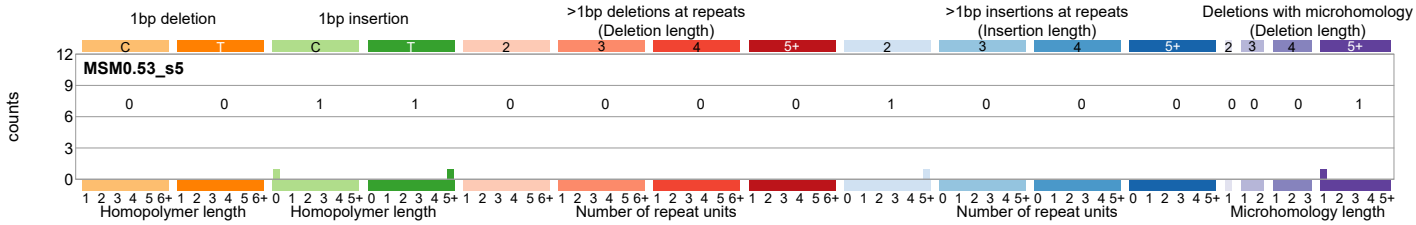
Deletions with microhomology (Deletion length)
MSM0.53_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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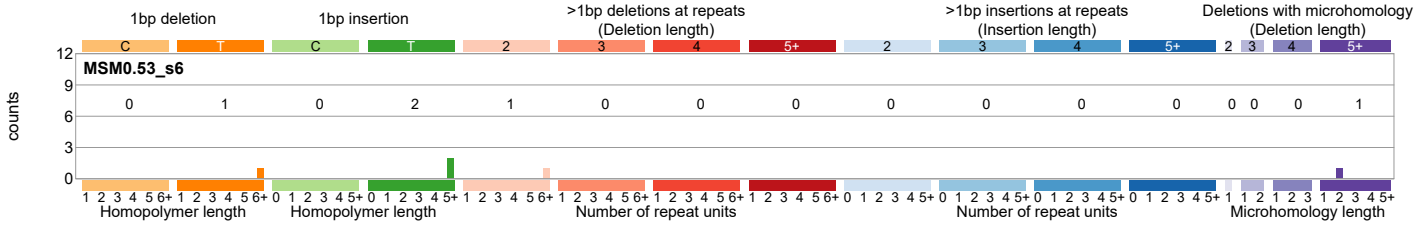
Deletions with microhomology (Deletion length)
MSM0.53_s5
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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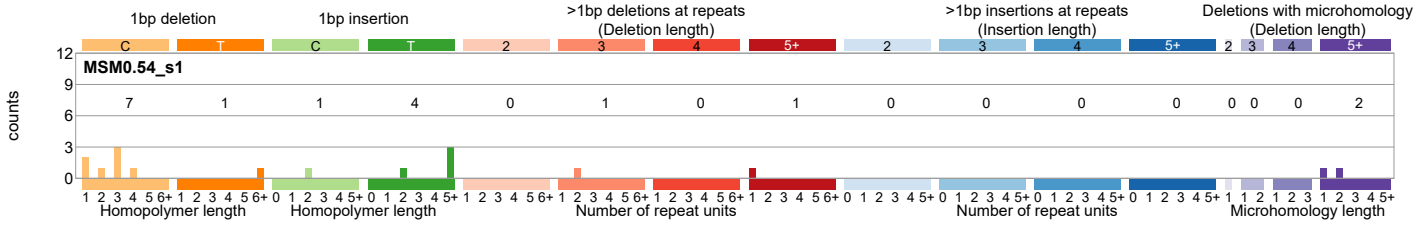
Deletions with microhomology (Deletion length)
MSM0.53_s6
counts
Homopolymer length
Number of repeat units
Microhomology length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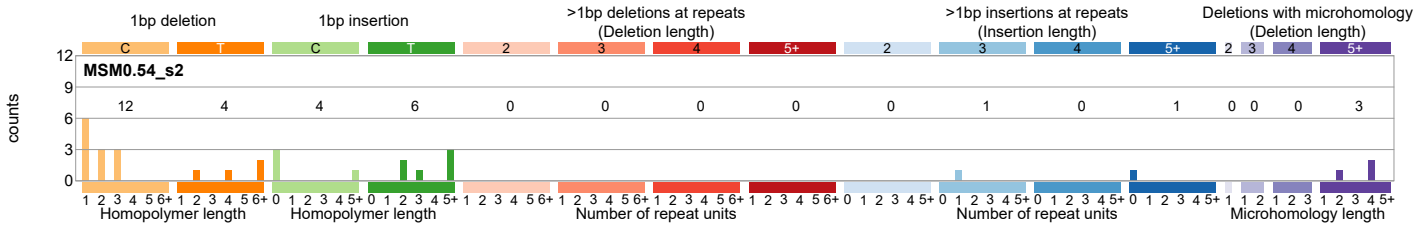
Deletions with microhomology (Deletion length)
MSM0.54_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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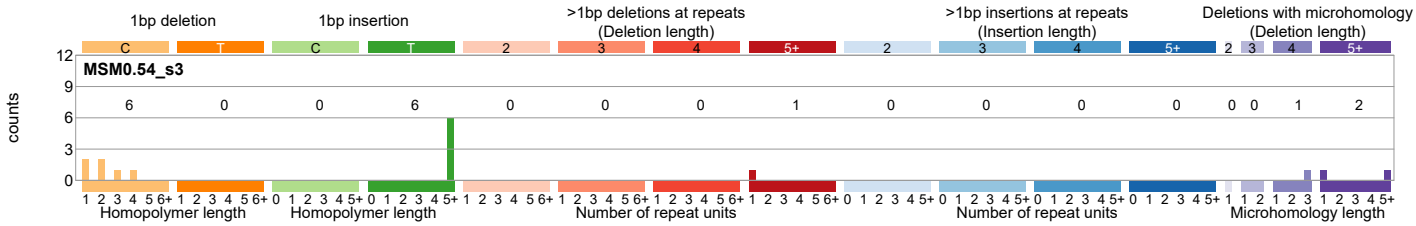
Deletions with microhomology (Deletion length)
MSM0.54_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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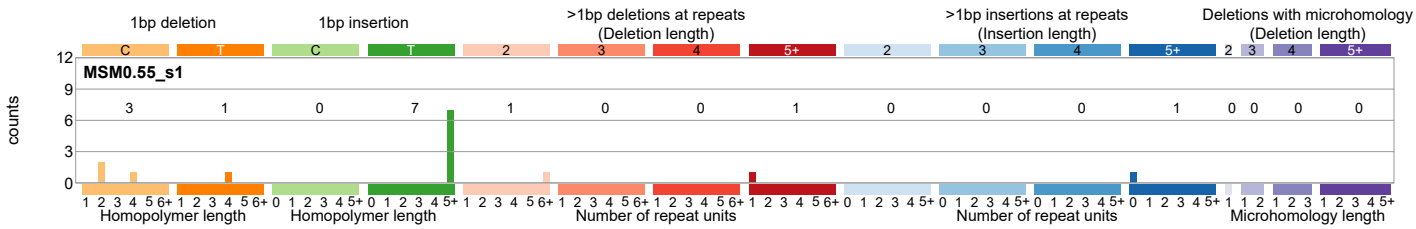
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.54_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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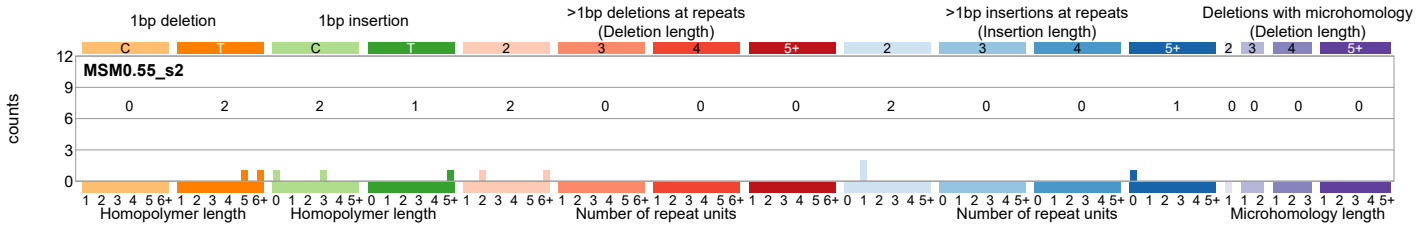
Deletions with microhomology (Deletion length)
MSM0.55_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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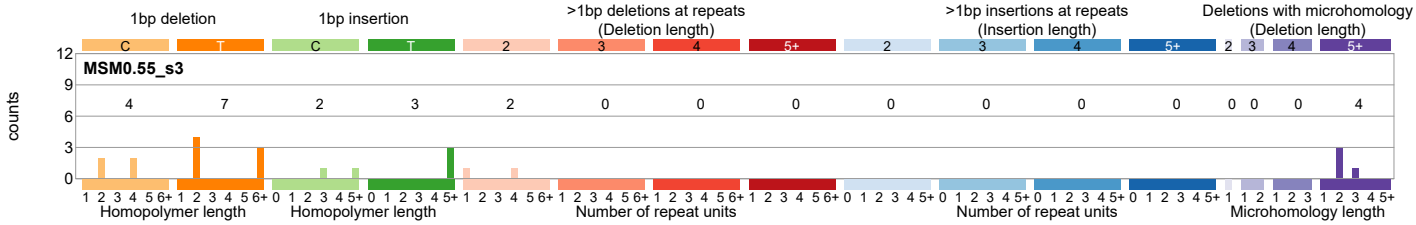
Deletions with microhomology (Deletion length)
MSM0.55_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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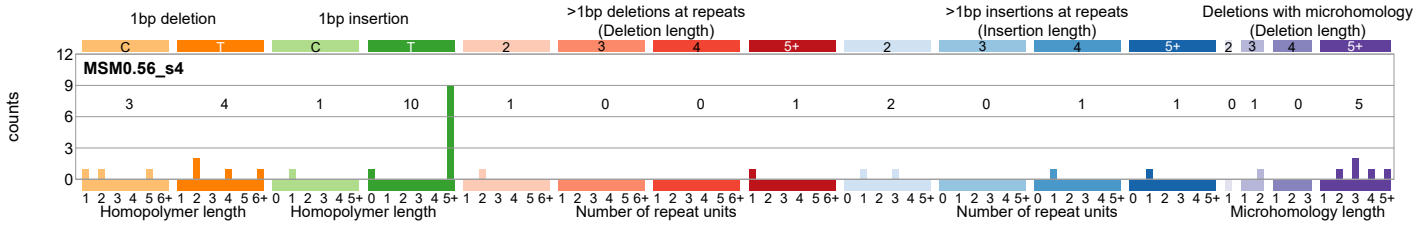
Deletions with microhomology (Deletion length)
MSM0.55_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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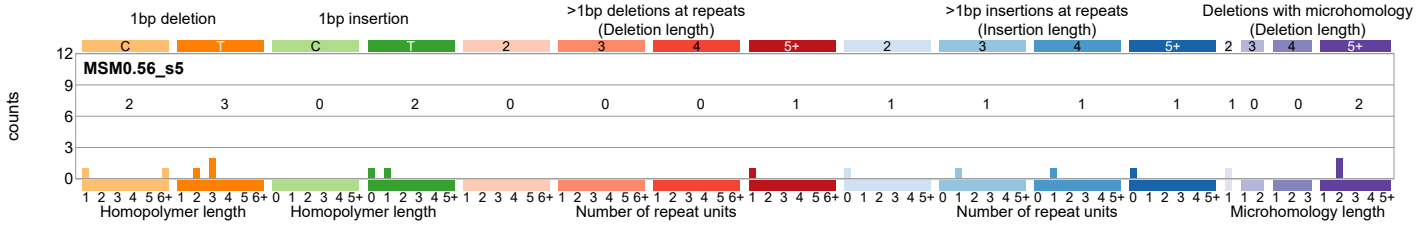
Deletions with microhomology (Deletion length)
MSM0.56_s4
counts
Homopolymer length
Number of repeat units
Microhomology length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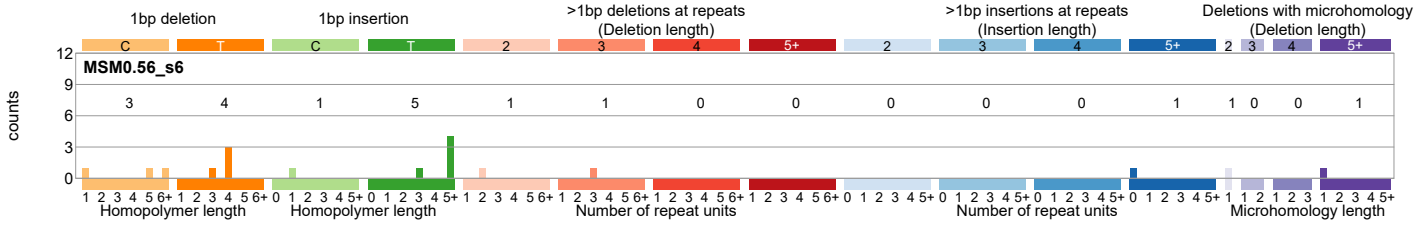
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.56_s5
counts
Homopolymer length
Number of repeat units
Microhomology length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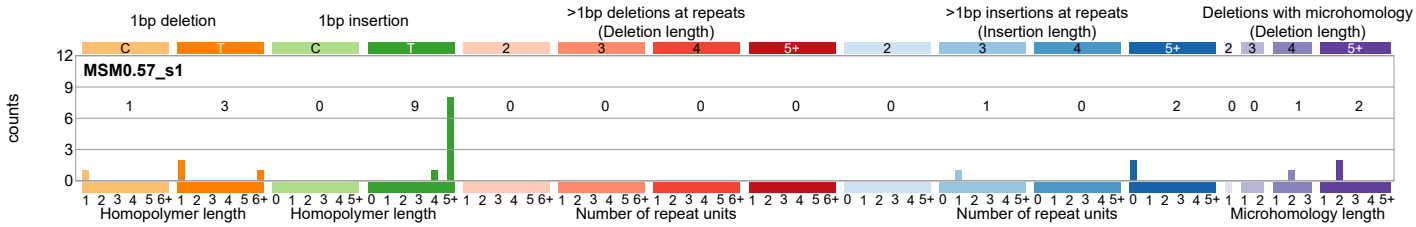
Deletions with microhomology (Deletion length)
MSM0.56_s6
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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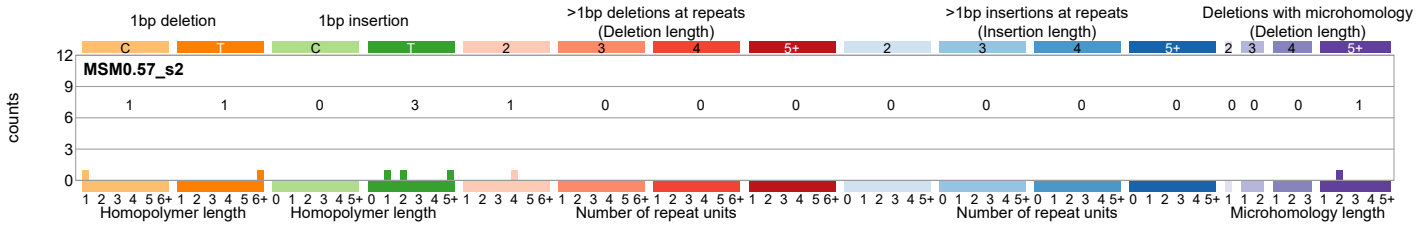
Deletions with microhomology (Deletion length)
MSM0.57_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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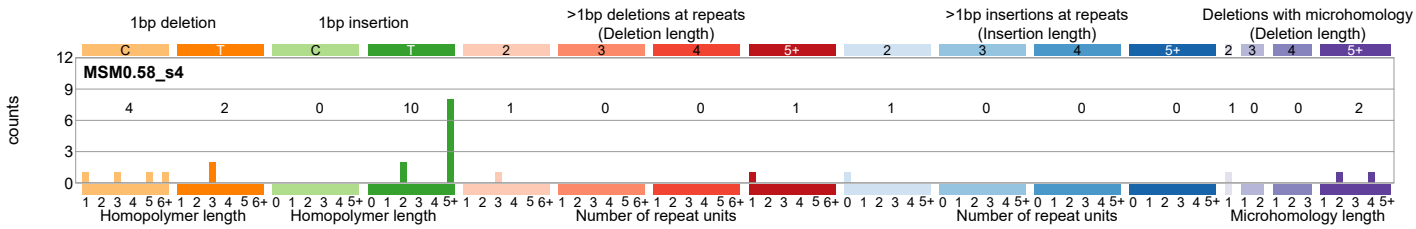
Deletions with microhomology (Deletion length)
MSM0.57_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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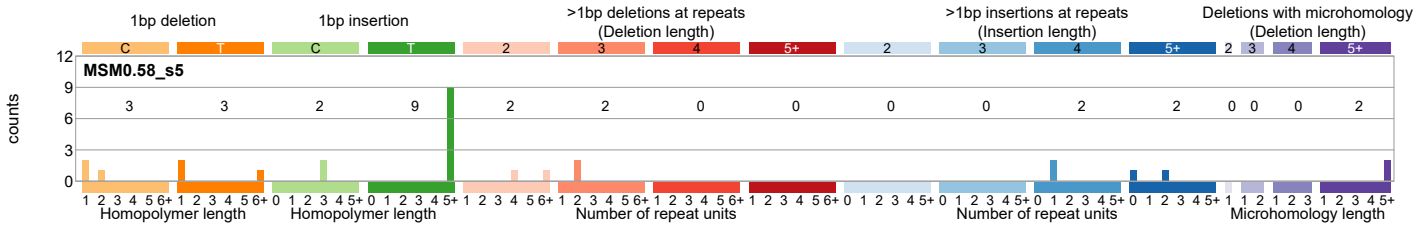
Deletions with microhomology (Deletion length)
MSM0.58_s4
counts
Homopolymer length
Number of repeat units
Microhomology length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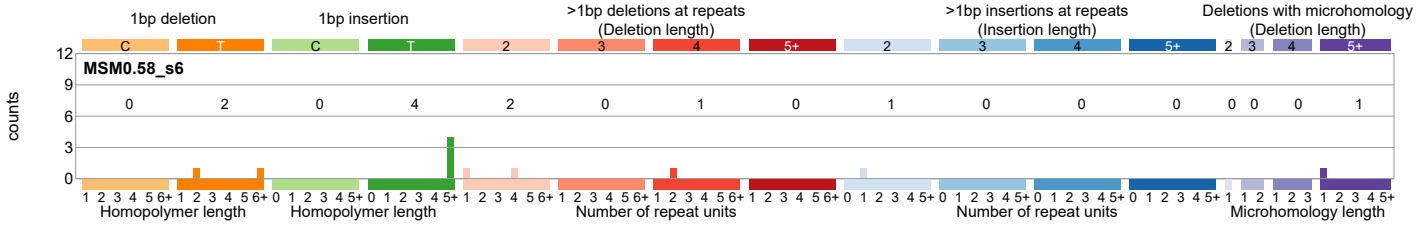
Deletions with microhomology (Deletion length)
MSM0.58_s5
counts
Homopolymer length
Number of repeat units
Microhomology length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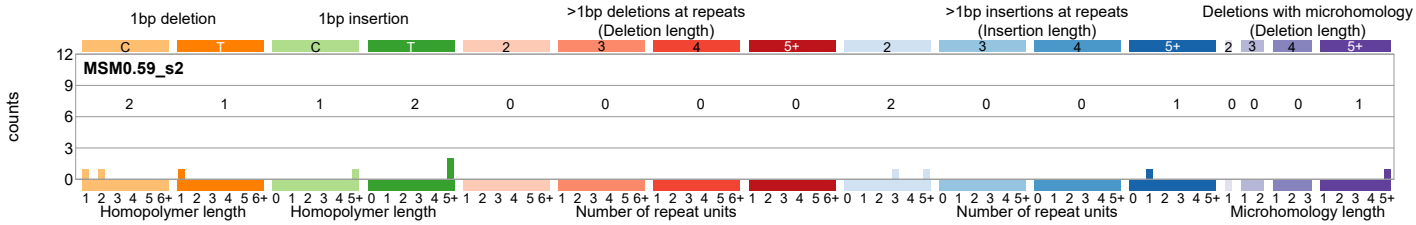
Deletions with microhomology (Deletion length)
MSM0.58_s6
counts
Homopolymer length
Number of repeat units
Microhomology length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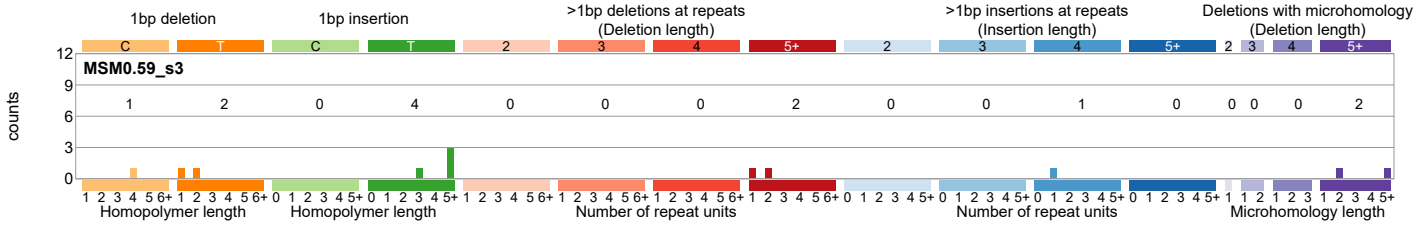
Deletions with microhomology (Deletion length)
MSM0.59_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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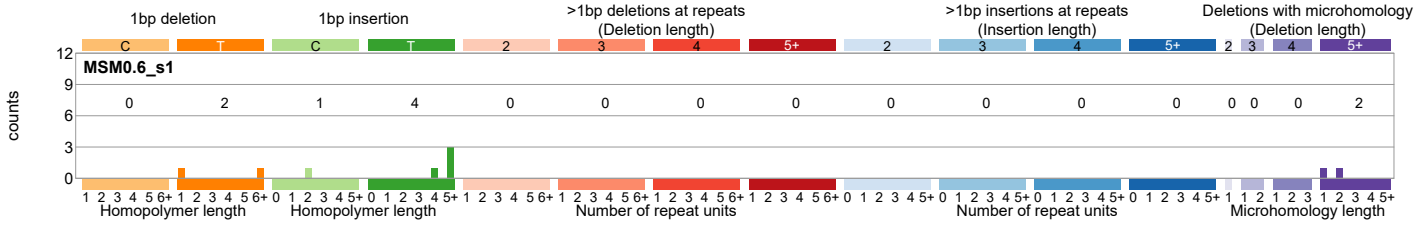
Deletions with microhomology (Deletion length)
MSM0.59_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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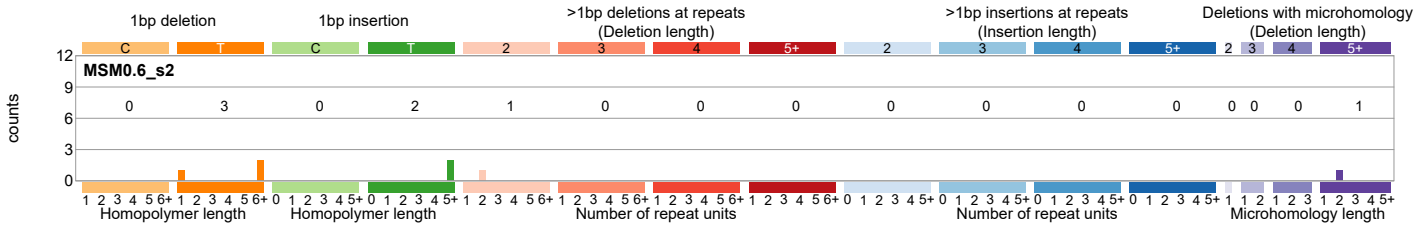
Deletions with microhomology (Deletion length)
MSM0.6_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
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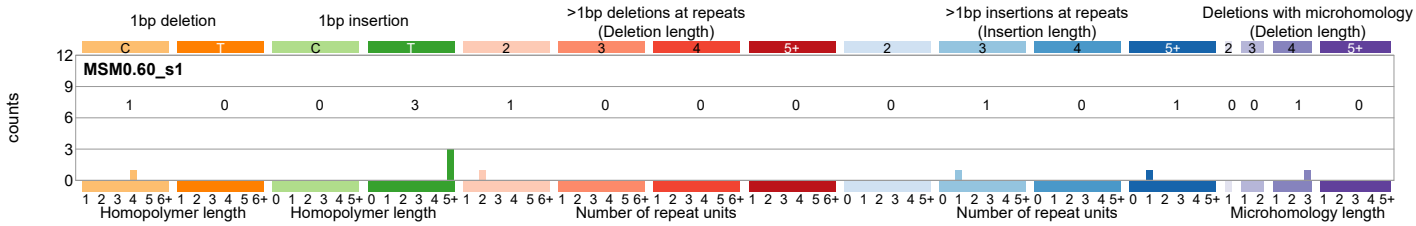
counts
Homopolymer length
Number of repeat units
Microhomology length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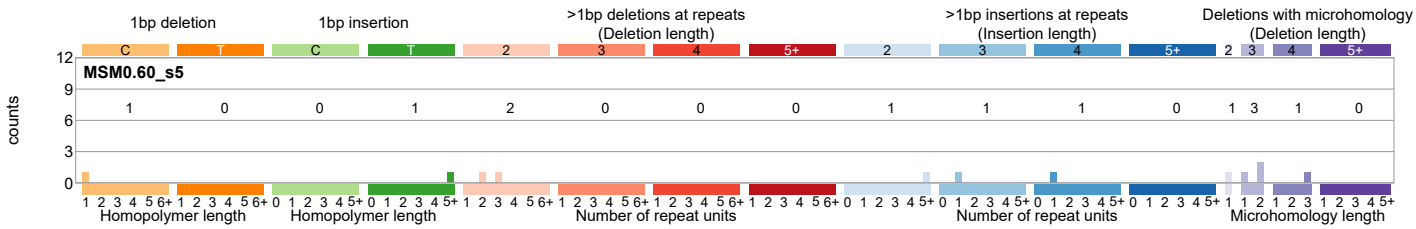
Deletions with microhomology (Deletion length)
MSM0.60_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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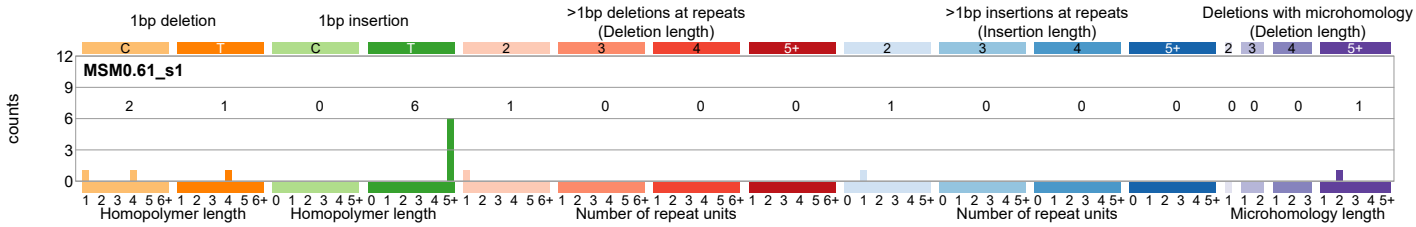
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.60_s5
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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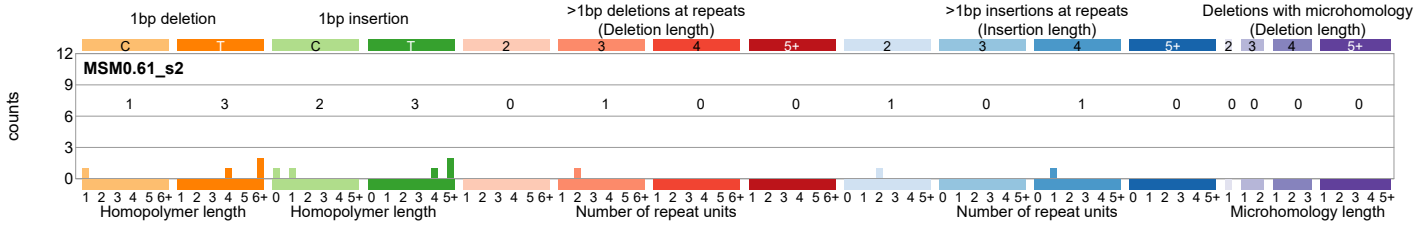
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.61_s1
2 1 0 6 1 0 0 0 1 0 0 0 0 0 0 1
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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1bp insertion
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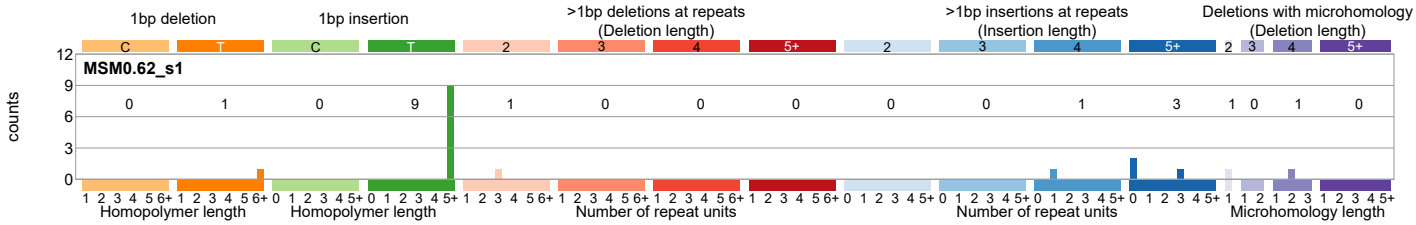
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.61_s2
1 3 2 3 0 1 0 0 1 0 1 0 0 0 0 0
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
MSM0.62_s1
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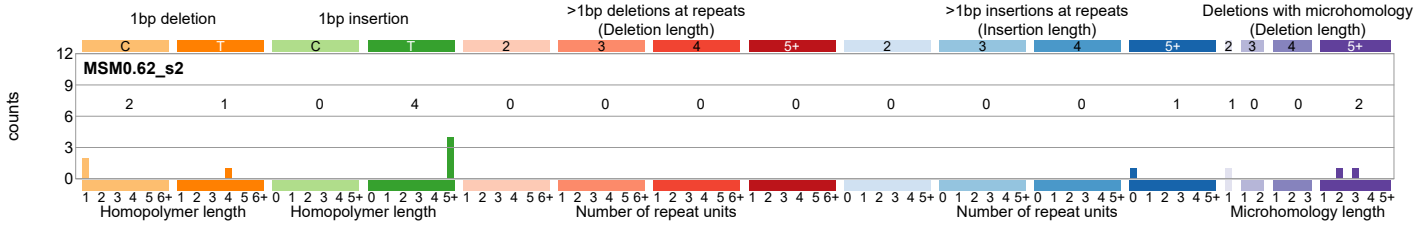
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
MSM0.62_s2
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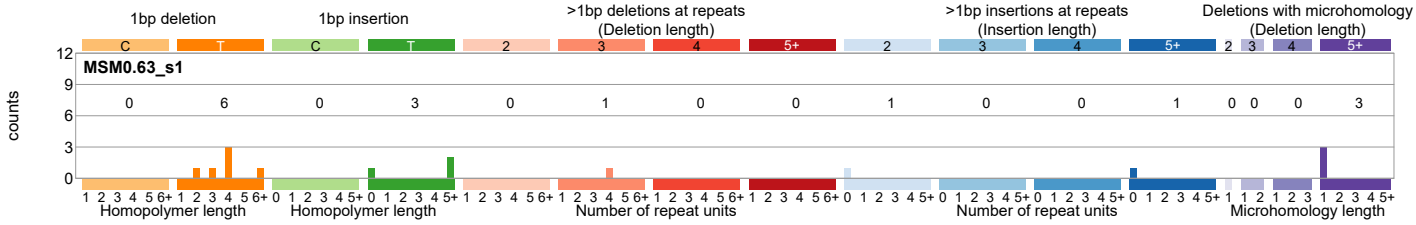
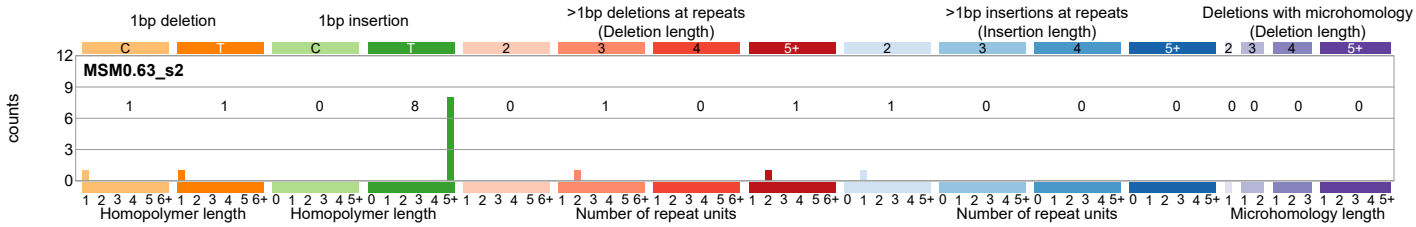
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.63_s1
0 6 0 3 0 1 0 0 1 0 0 1 0 0 0 3
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)
MSM0.63_s2
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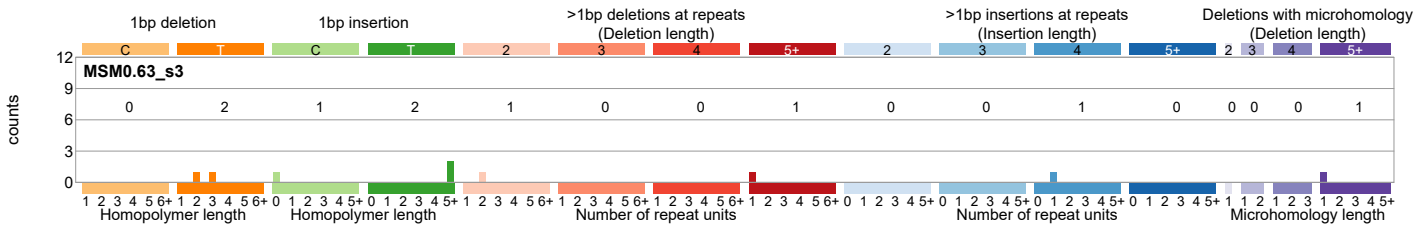
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
MSM0.63_s3
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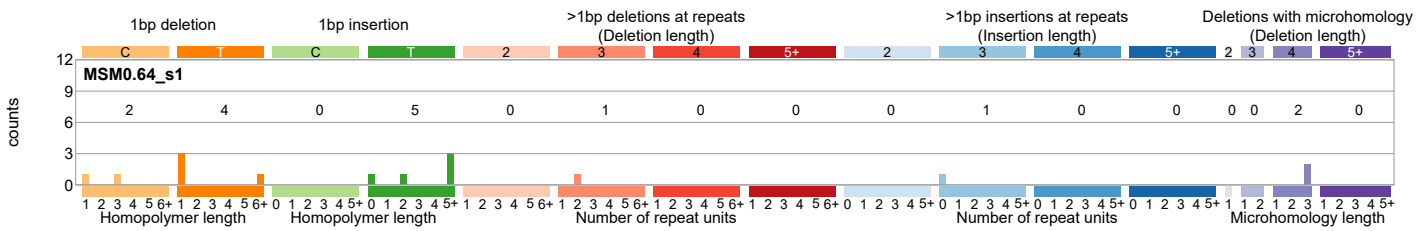
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
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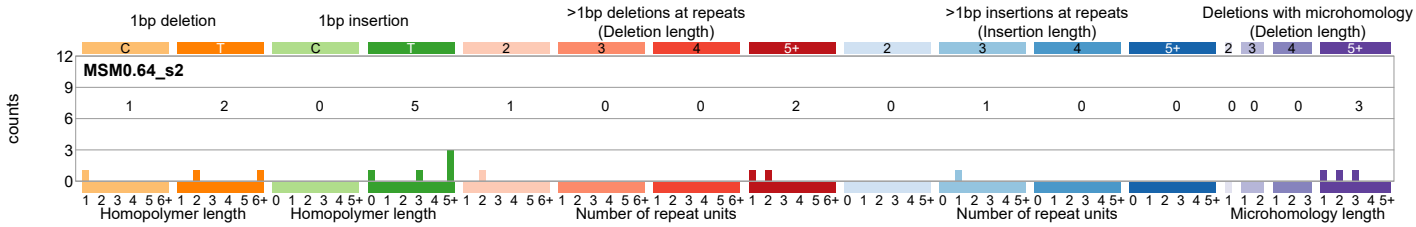
counts
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length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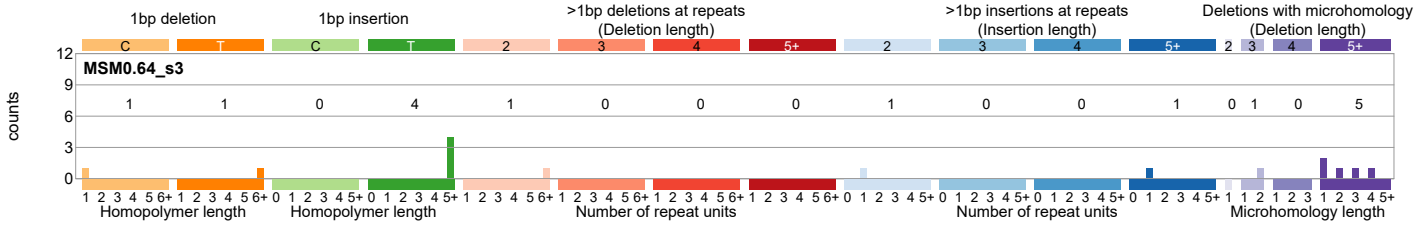
Deletions with microhomology (Deletion length)
MSM0.64_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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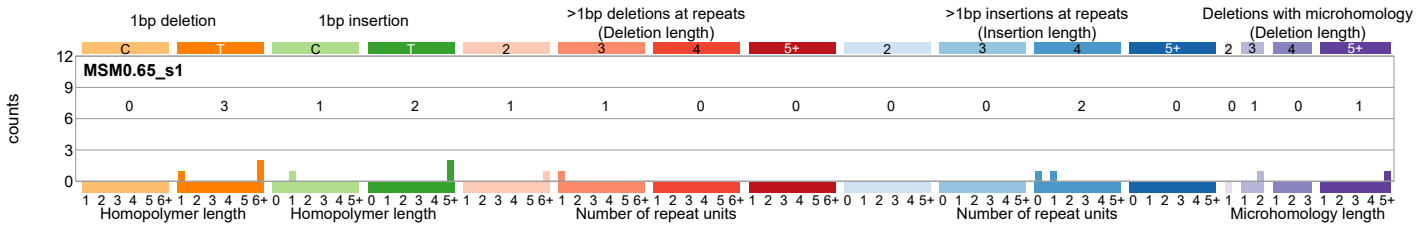
Deletions with microhomology (Deletion length)
MSM0.64_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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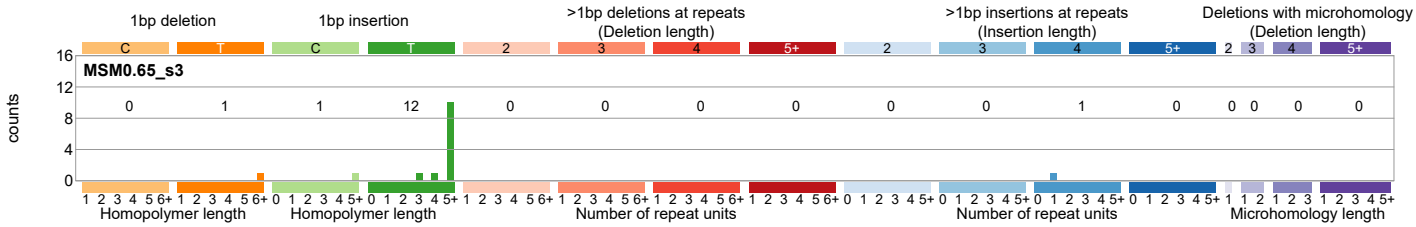
Deletions with microhomology (Deletion length)
MSM0.65_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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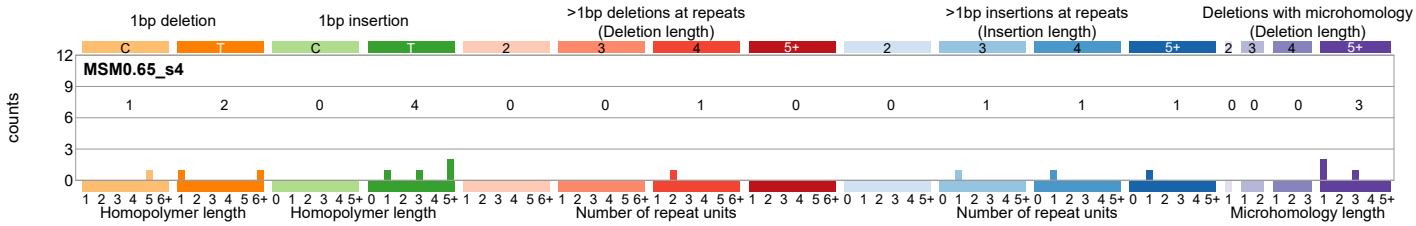
Deletions with microhomology (Deletion length)
MSM0.65_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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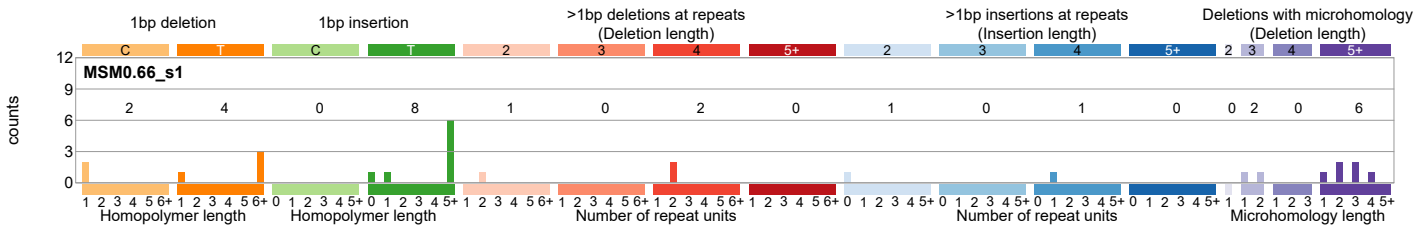
Deletions with microhomology (Deletion length)
MSM0.65_s4
counts
Homopolymer length
Number of repeat units
Microhomology length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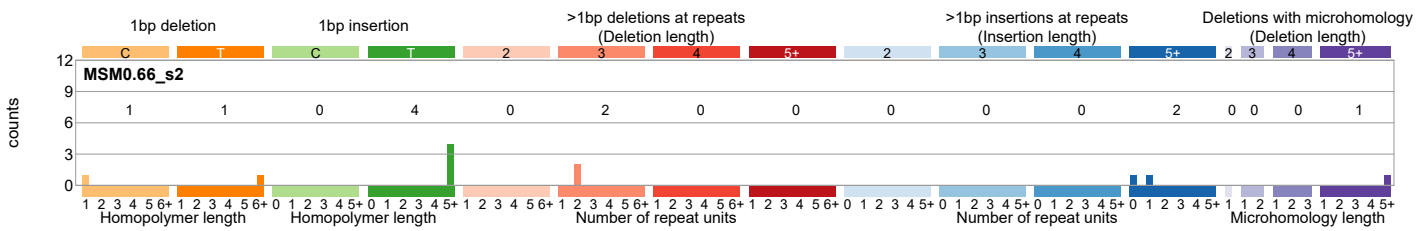
Deletions with microhomology (Deletion length)
MSM0.66_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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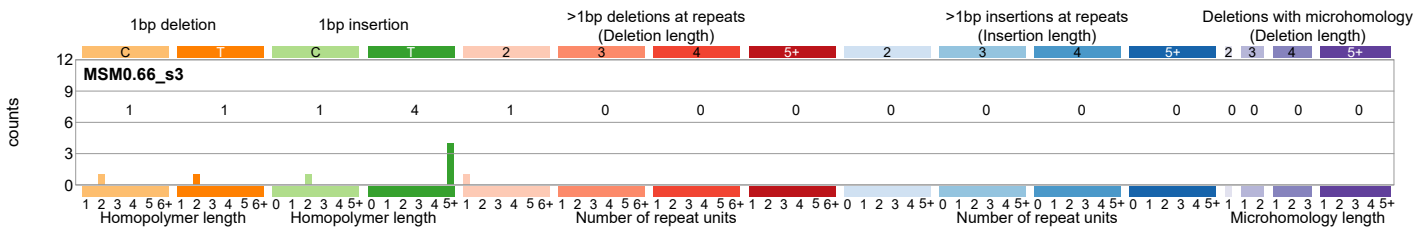
Deletions with microhomology (Deletion length)
MSM0.66_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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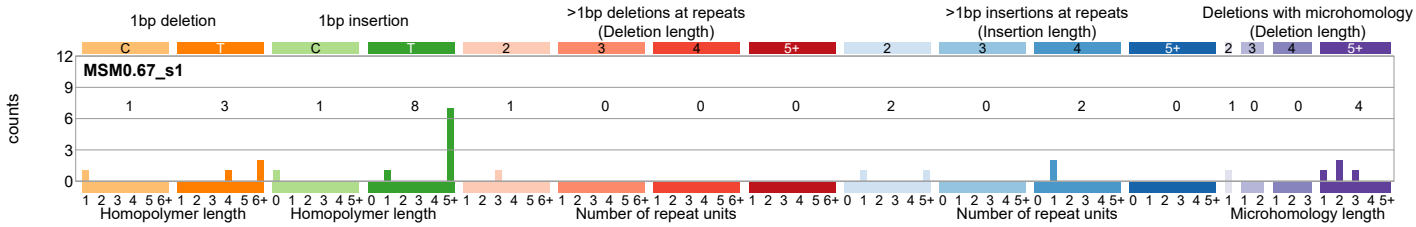
Deletions with microhomology (Deletion length)
MSM0.66_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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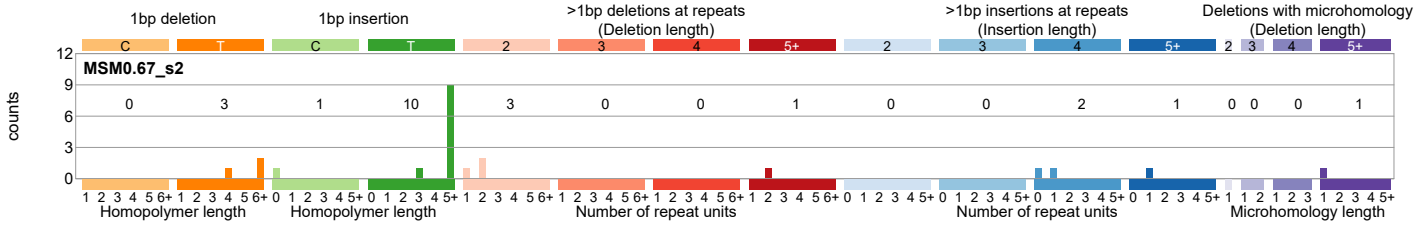
Deletions with microhomology (Deletion length)
MSM0.67_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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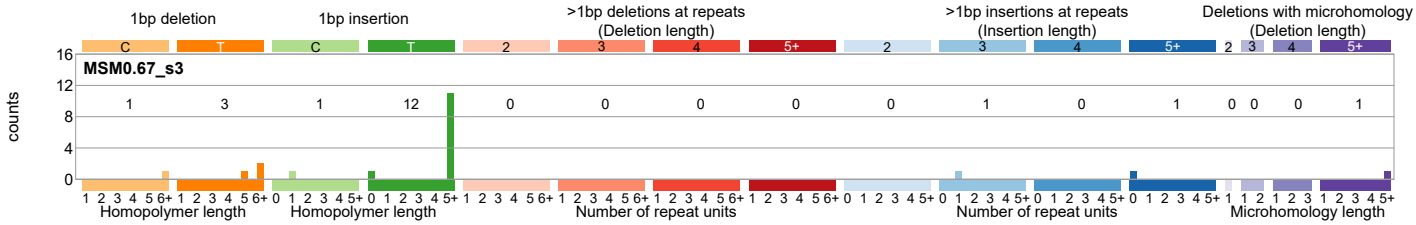
Deletions with microhomology (Deletion length)
MSM0.67_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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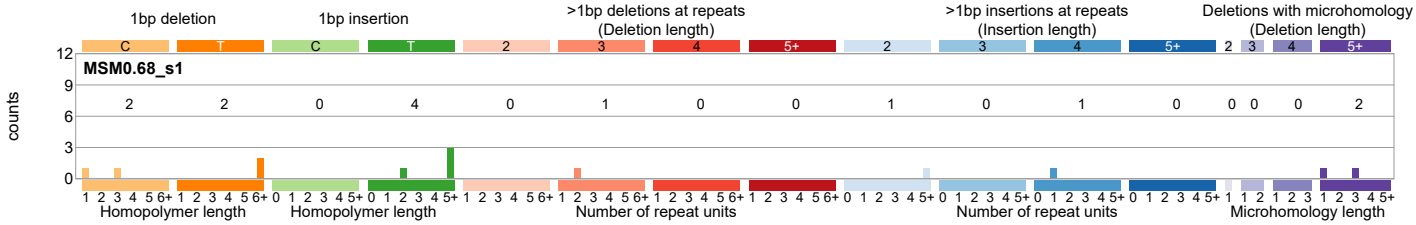
Deletions with microhomology (Deletion length)
MSM0.67_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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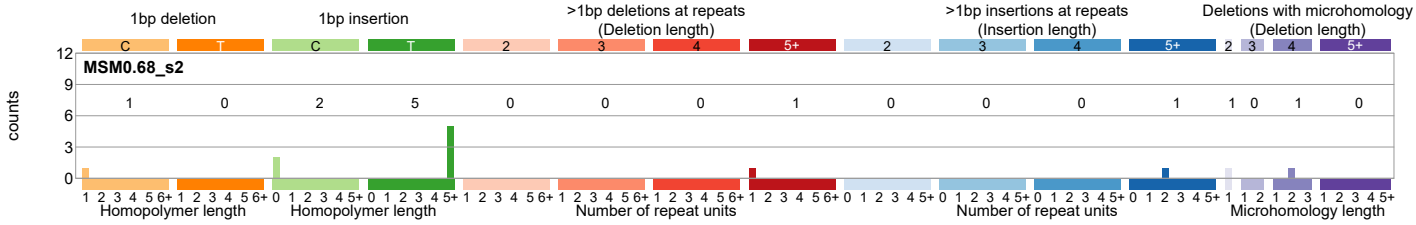
Deletions with microhomology (Deletion length)
MSM0.68_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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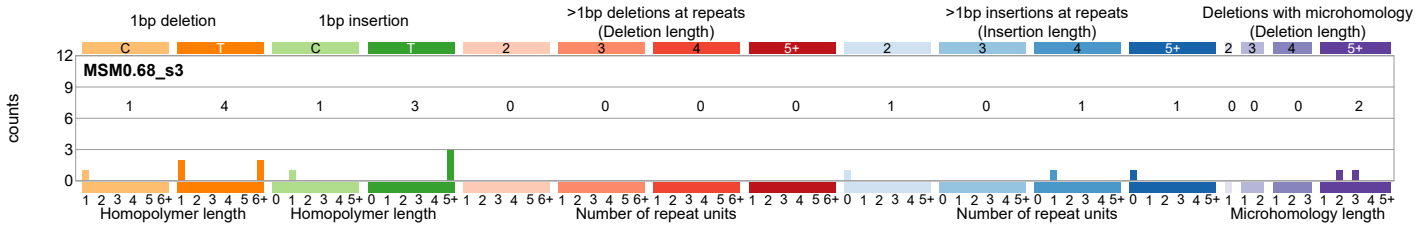
Deletions with microhomology (Deletion length)
MSM0.68_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
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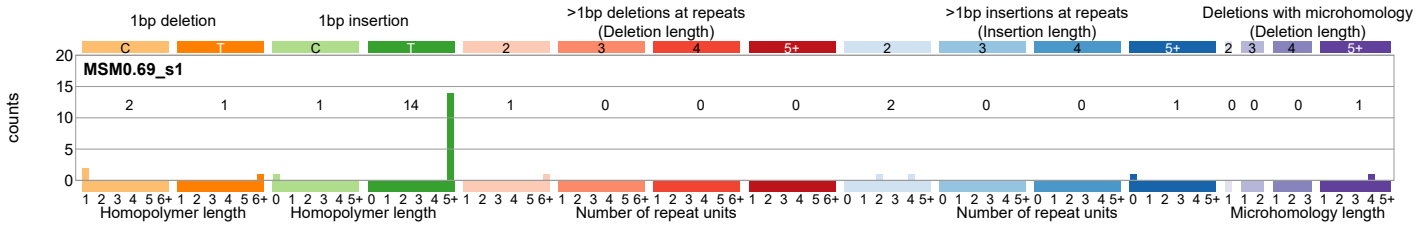
counts
Homopolymer length
Number of repeat units
Microhomology length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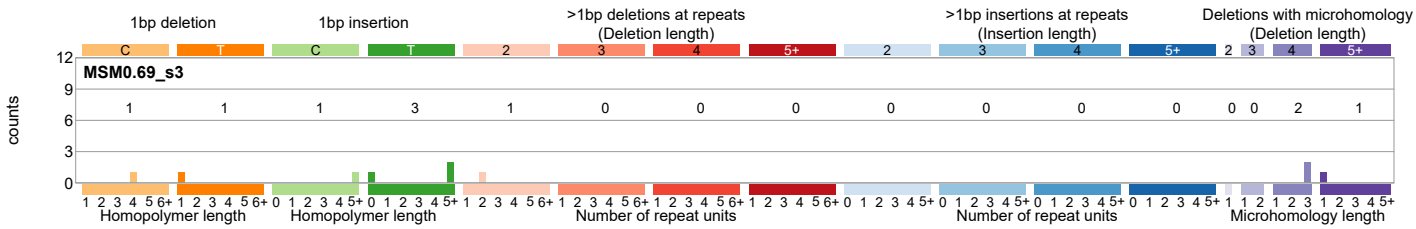
Deletions with microhomology (Deletion length)
MSM0.69_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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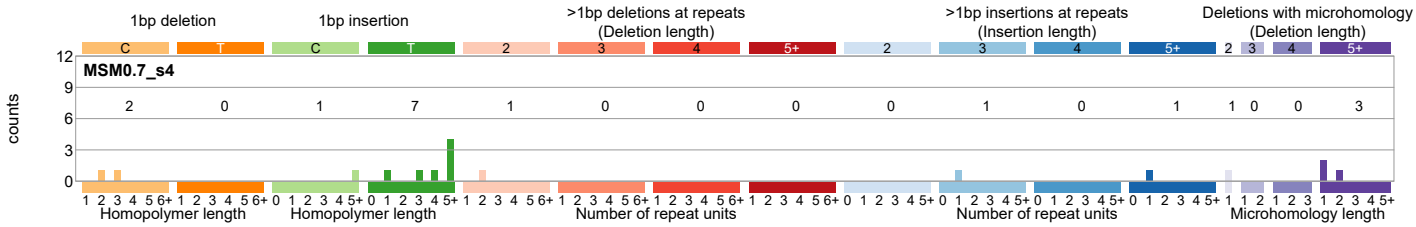
Deletions with microhomology (Deletion length)
MSM0.69_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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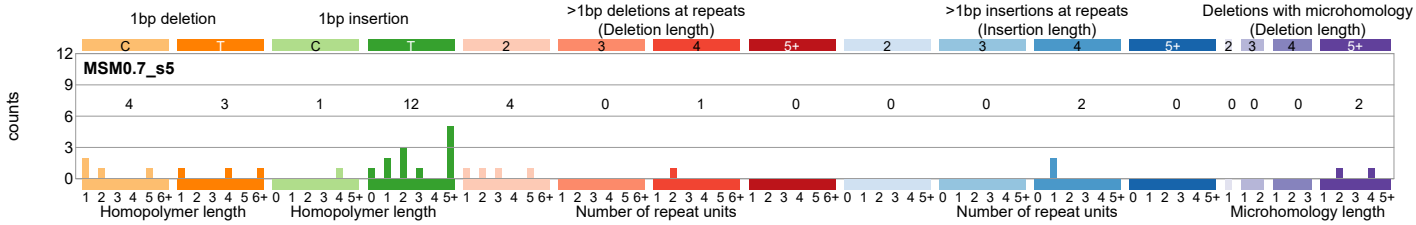
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.7_s4
2 0 1 7 1 0 0 0 0 1 0 1 1 0 0 3
counts
Homopolymer length
Number of repeat units
Microhomology length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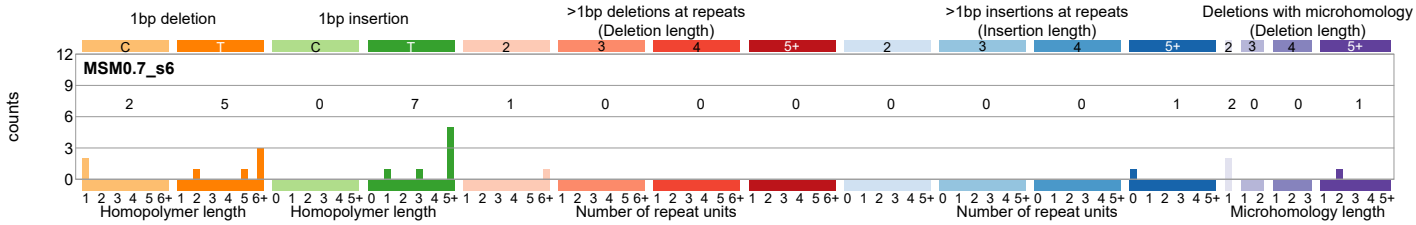
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.7_s5
4 3 1 12 4 0 1 0 0 0 2 0 0 0 0 2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
>1bp deletions at repeats (Deletion length)
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Deletions with microhomology (Deletion length)
MSM0.7_s6
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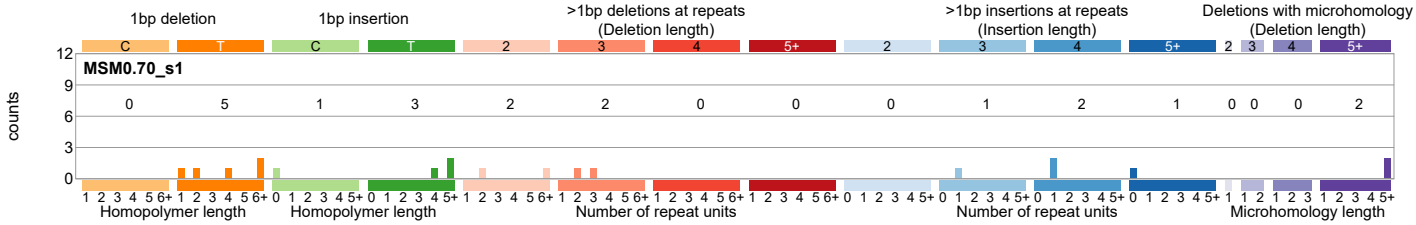
counts
Homopolymer length
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
MSM0.70_s1
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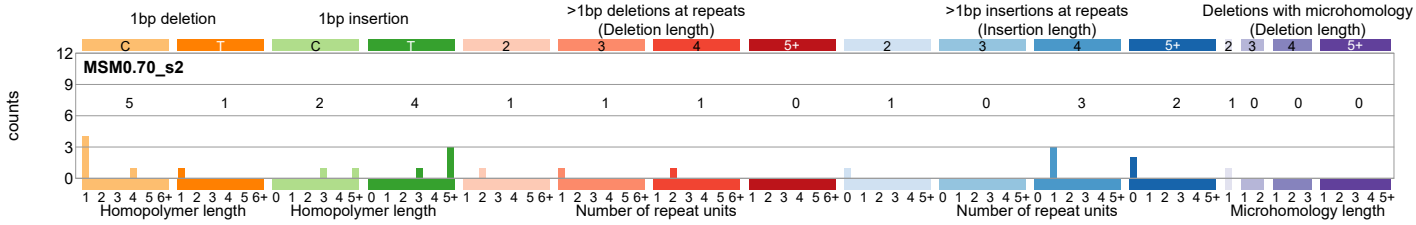
counts
Homopolymer length
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
MSM0.70_s2
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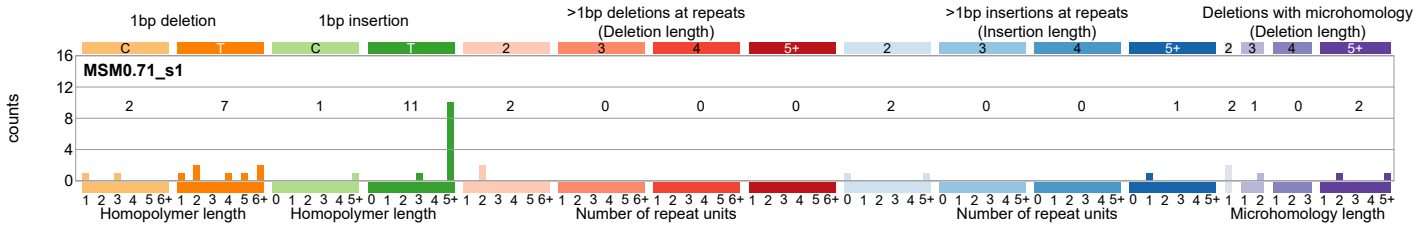
counts
Homopolymer length
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
MSM0.71_s1
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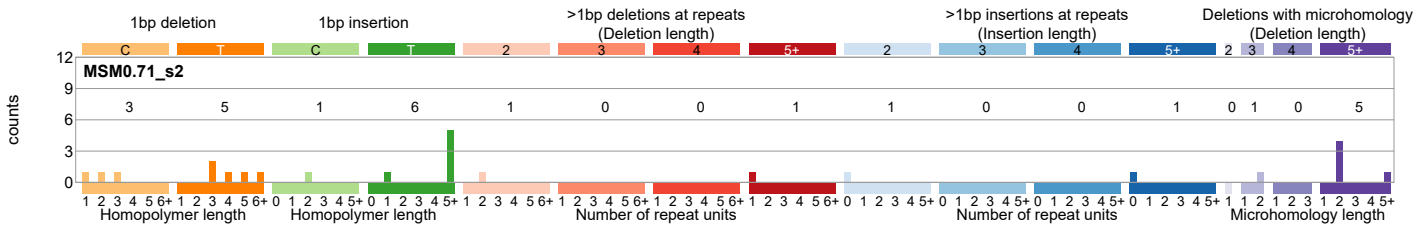
counts
Homopolymer length
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
MSM0.71_s2
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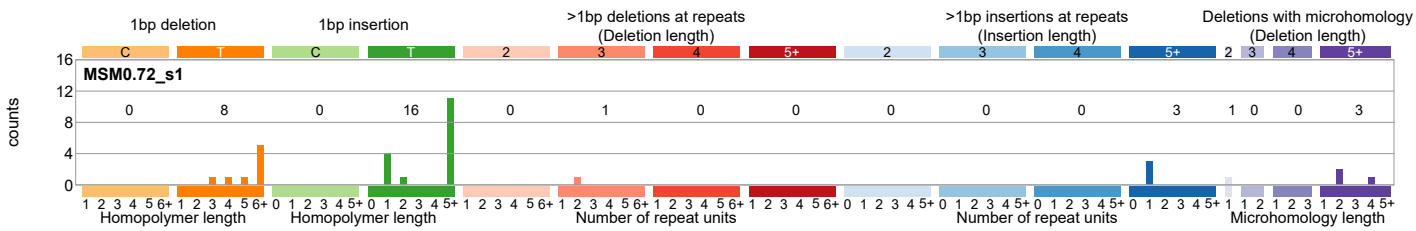
counts
Homopolymer length
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
MSM0.72_s1
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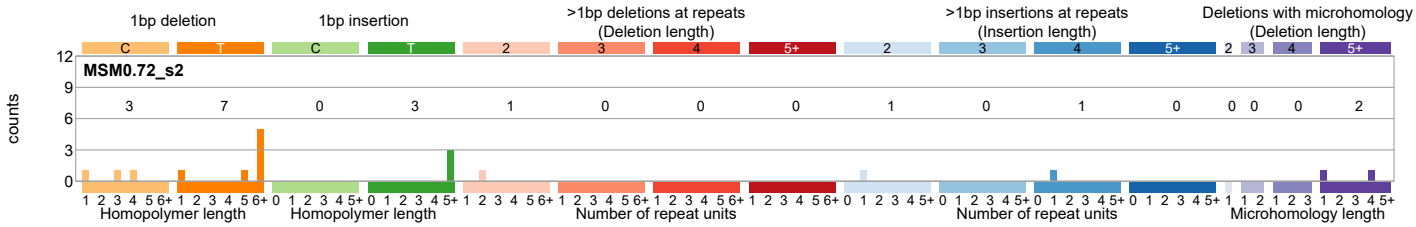
counts
Homopolymer length
Number of repeat units
Microhomology length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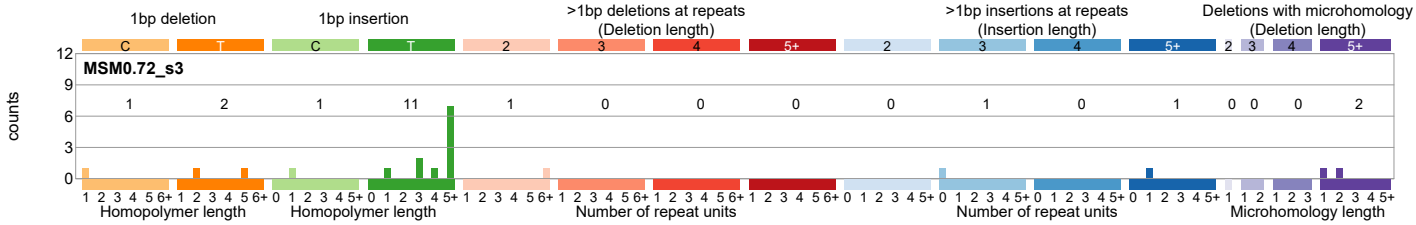
Deletions with microhomology (Deletion length)
MSM0.72_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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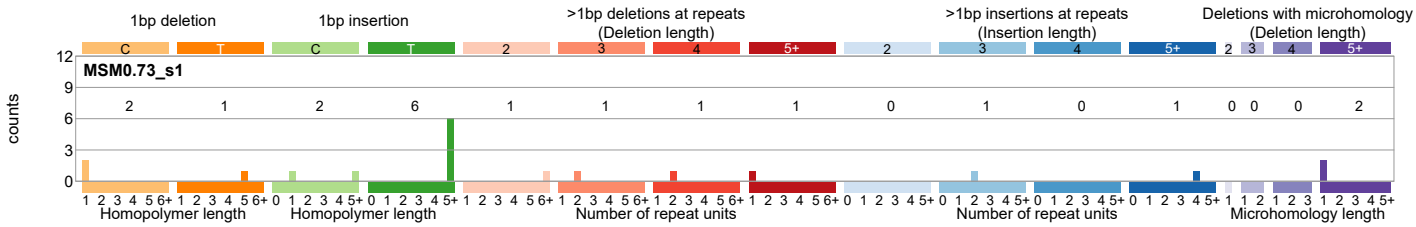
Deletions with microhomology (Deletion length)
MSM0.72_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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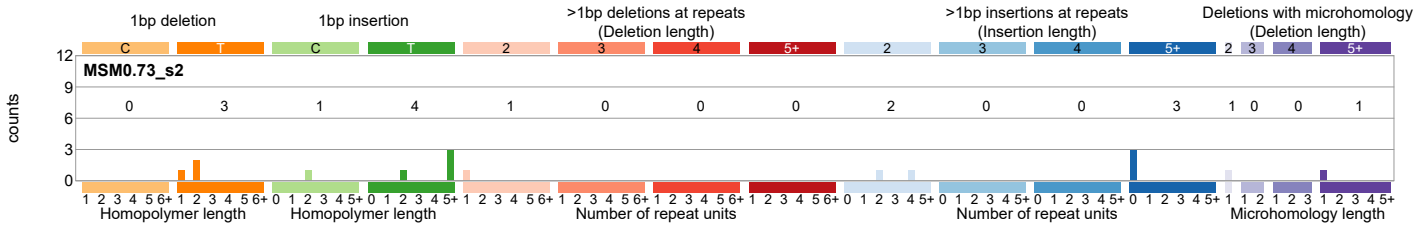
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.73_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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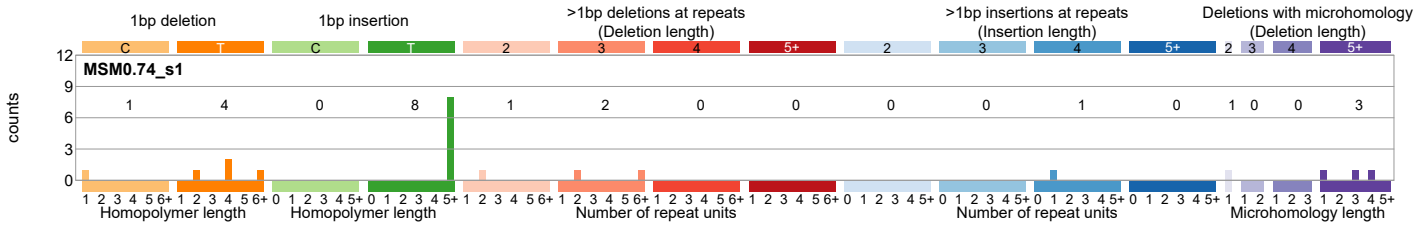
Deletions with microhomology (Deletion length)
MSM0.73_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
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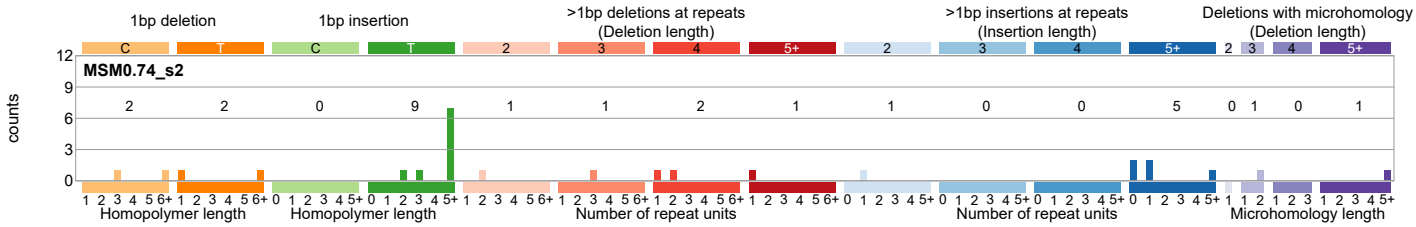
Homopolymer length
Number of repeat units
Microhomology length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Deletions with microhomology (Deletion length)
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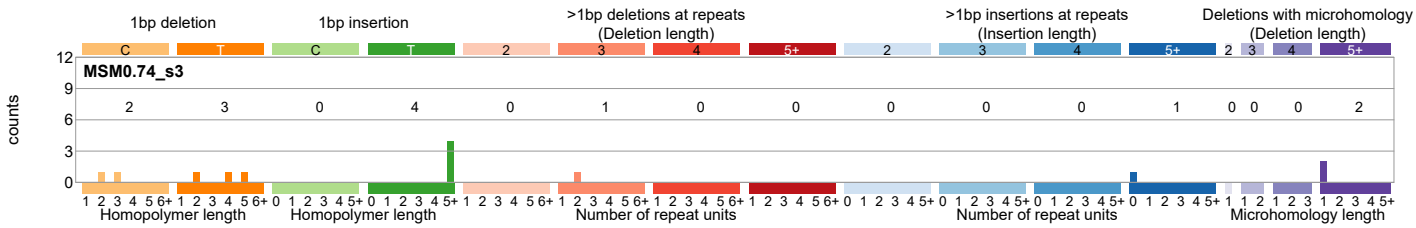
Homopolymer length
Number of repeat units
Microhomology length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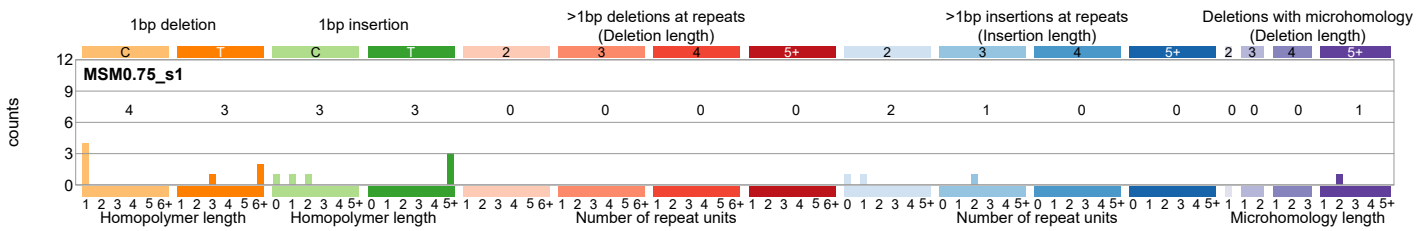
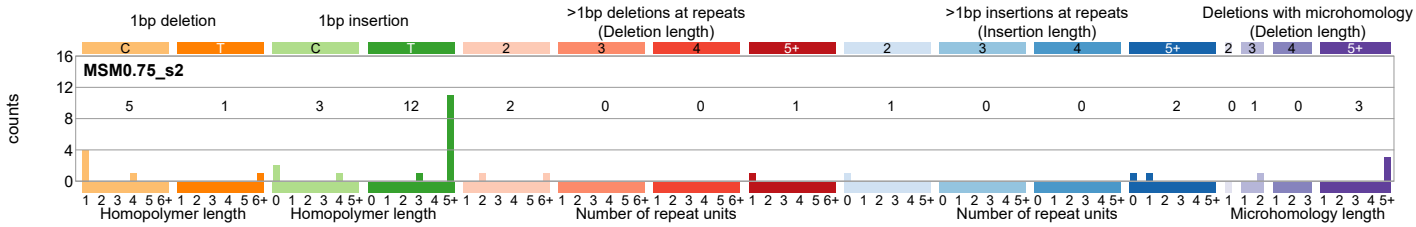
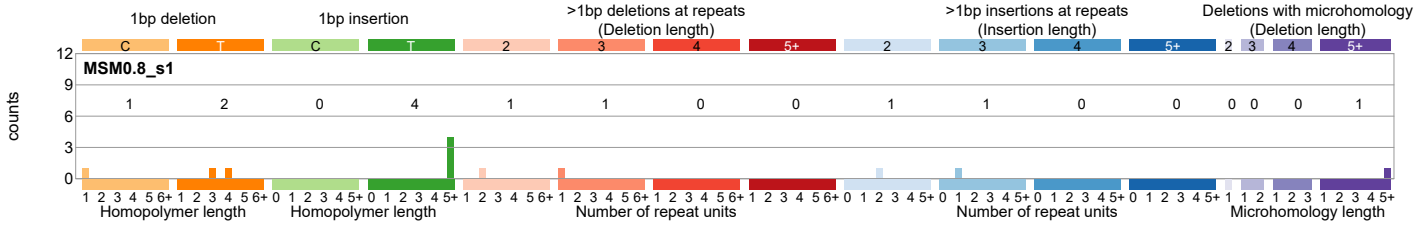
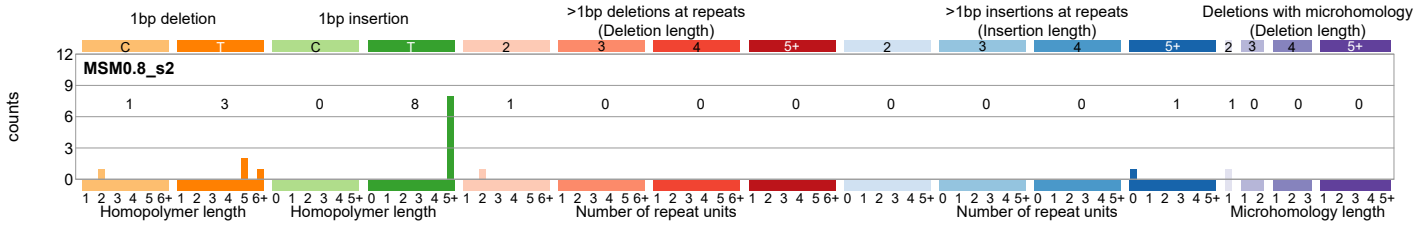
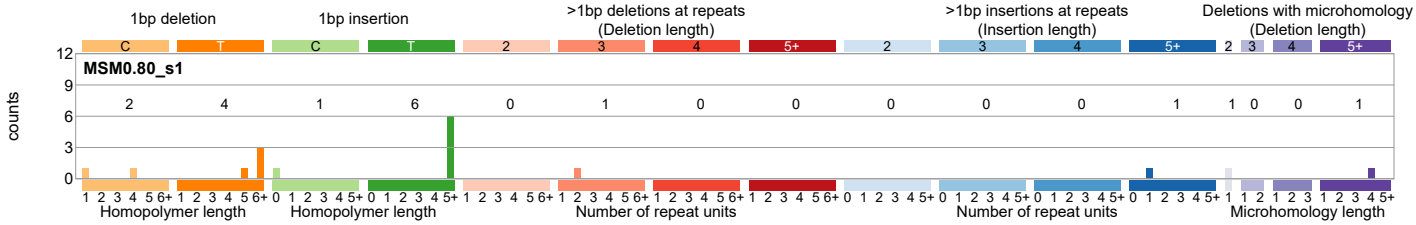
Deletions with microhomology (Deletion length)
MSM0.74_s3
counts
Homopolymer length
Number of repeat units
Microhomology length

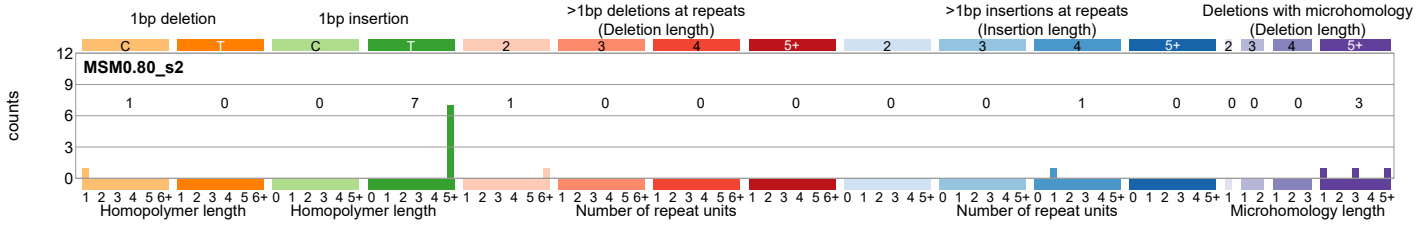

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.75_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

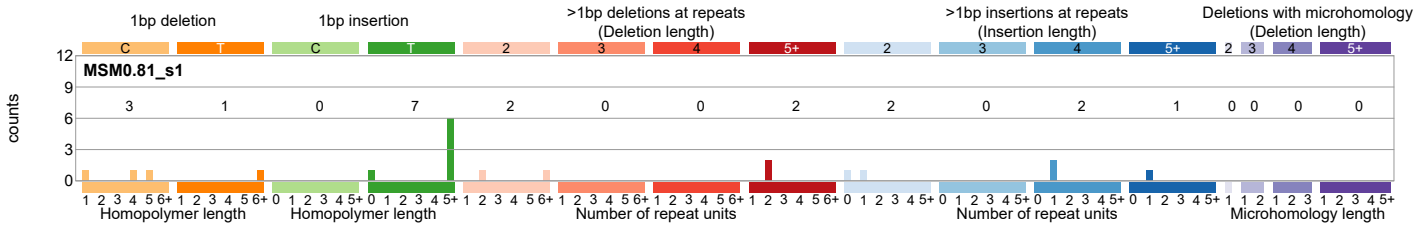

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.75_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

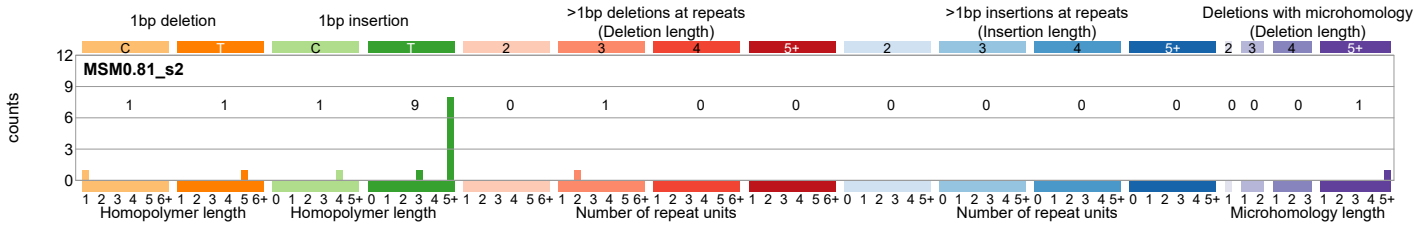

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.8_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.8_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.80_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.80_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.81_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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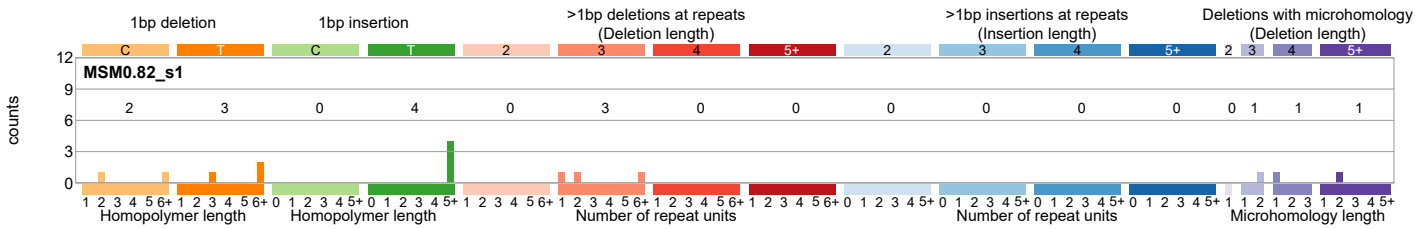
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.81_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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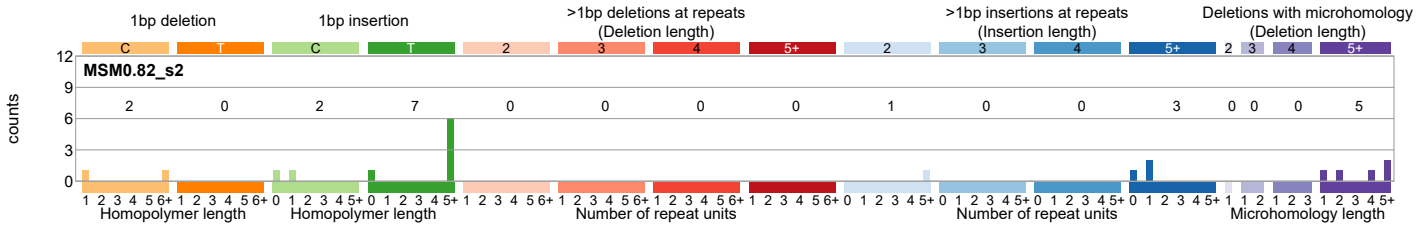
Deletions with microhomology (Deletion length)
MSM0.82_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
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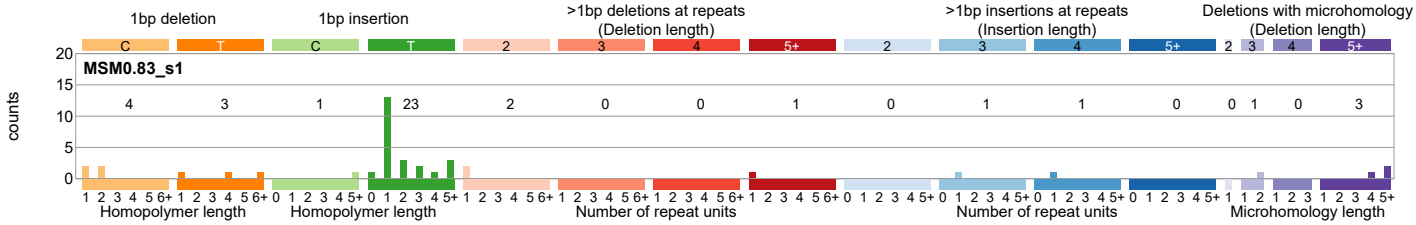
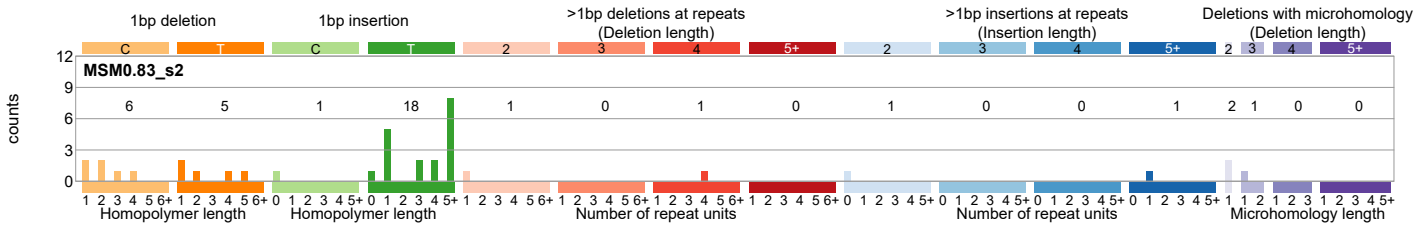
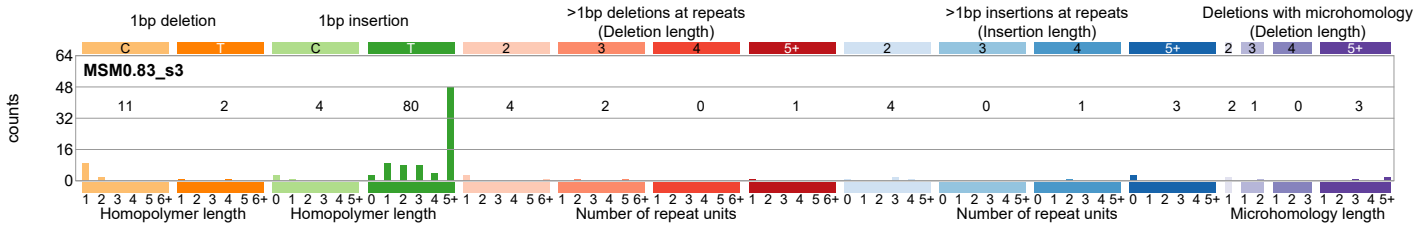
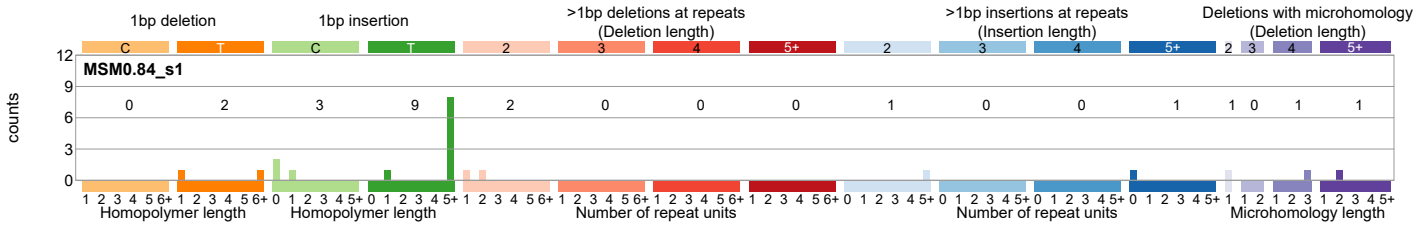
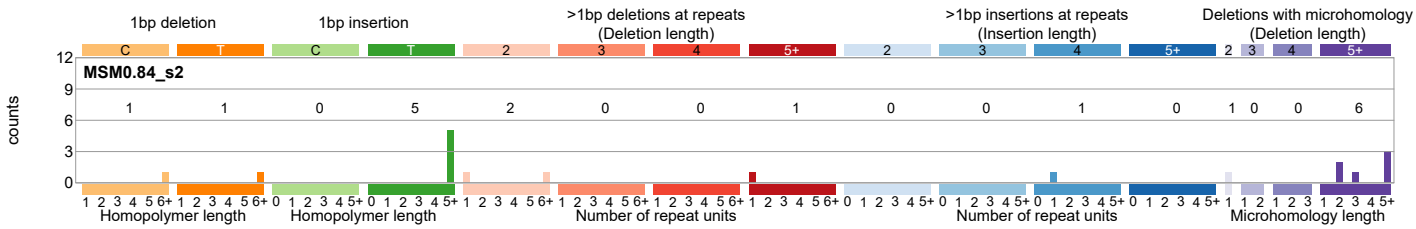
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.82_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

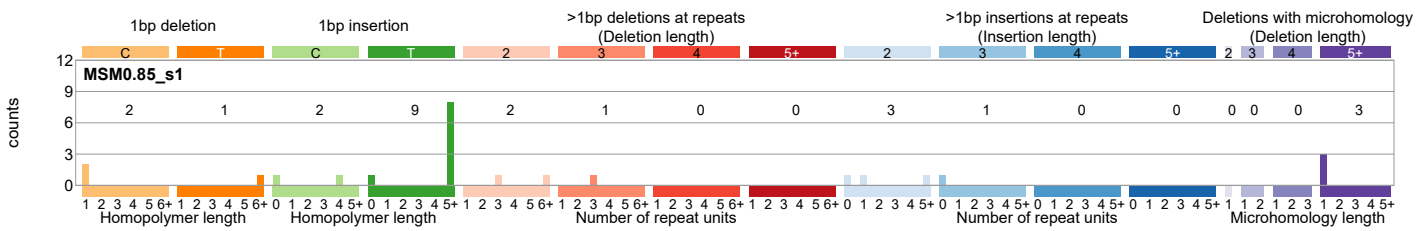

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.83_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.83_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.83_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.84_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.84_s2
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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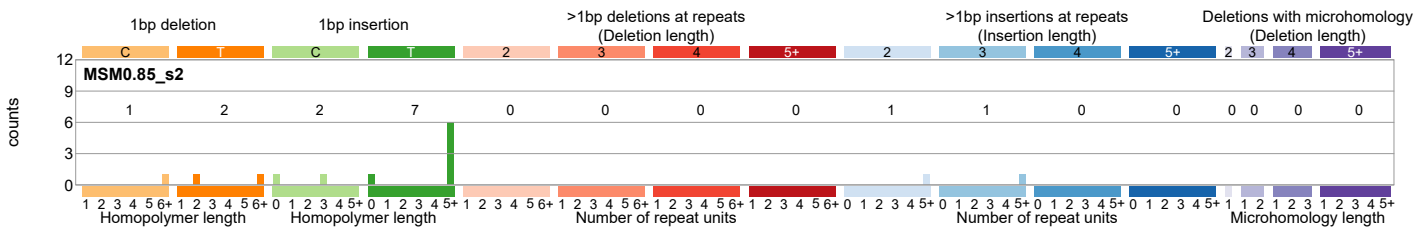
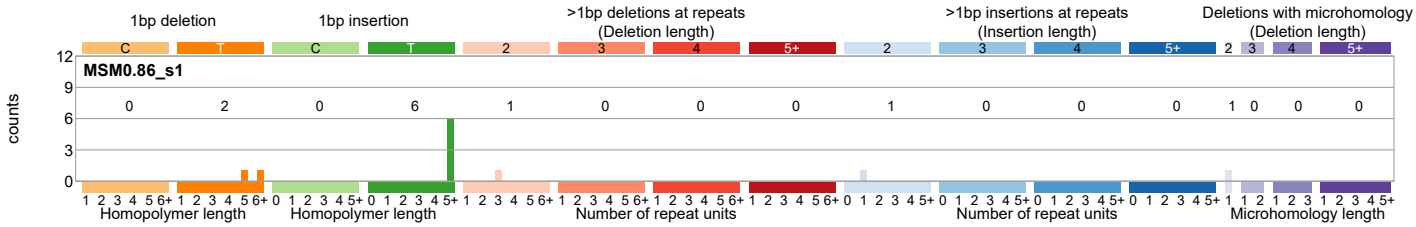
Deletions with microhomology (Deletion length)
MSM0.85_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.85_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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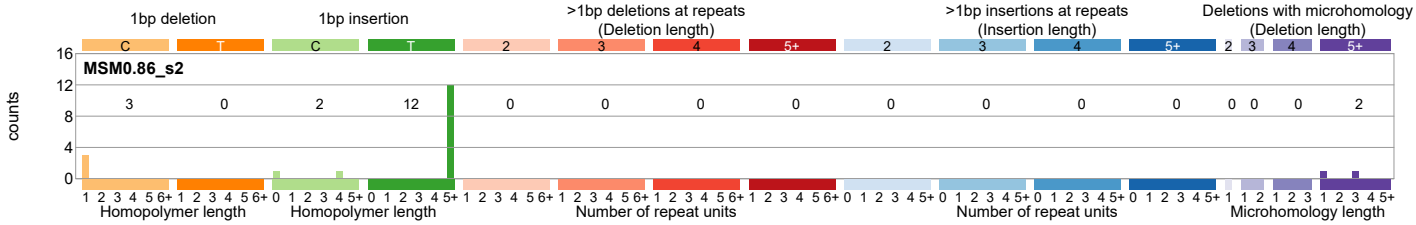
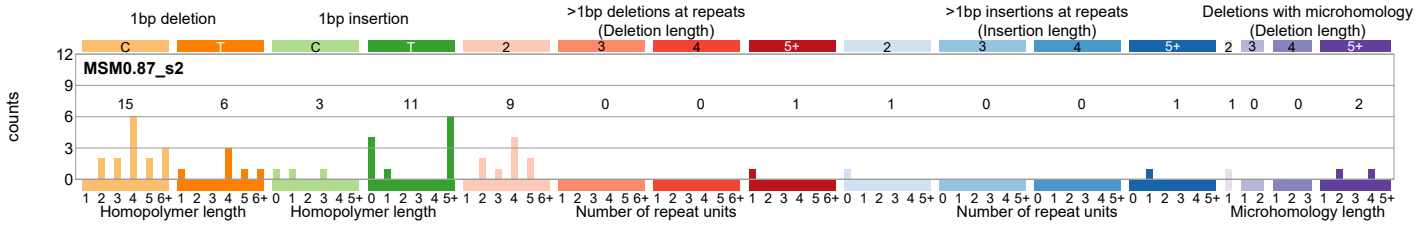
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.86_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.86_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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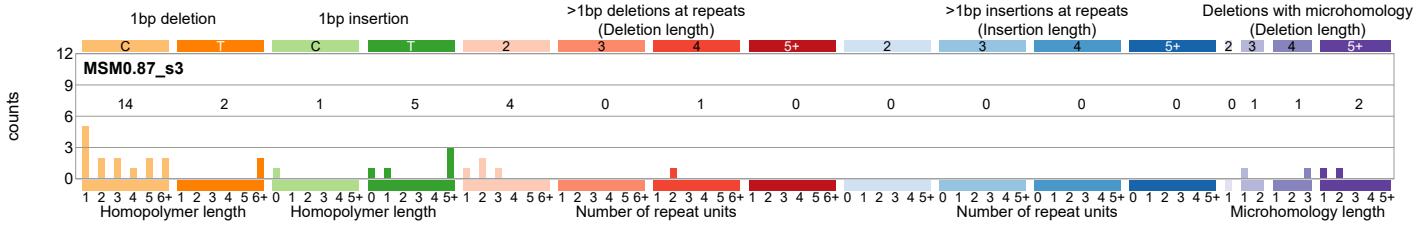
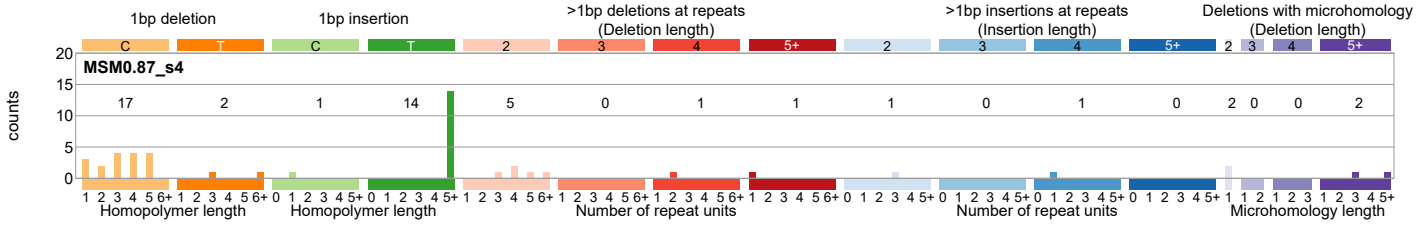
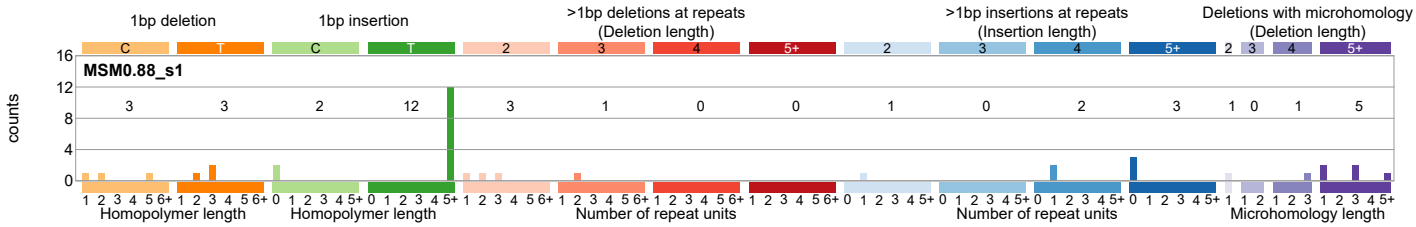
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.87_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.87_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.87_s4
counts
Homopolymer length
Number of repeat units
Microhomology length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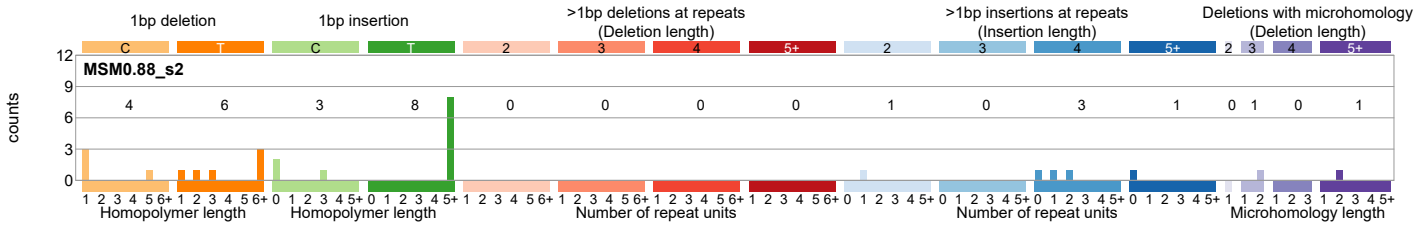
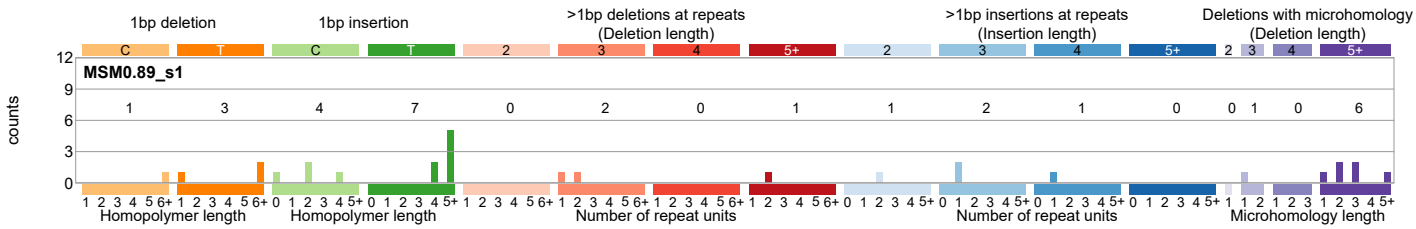
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.88_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.88_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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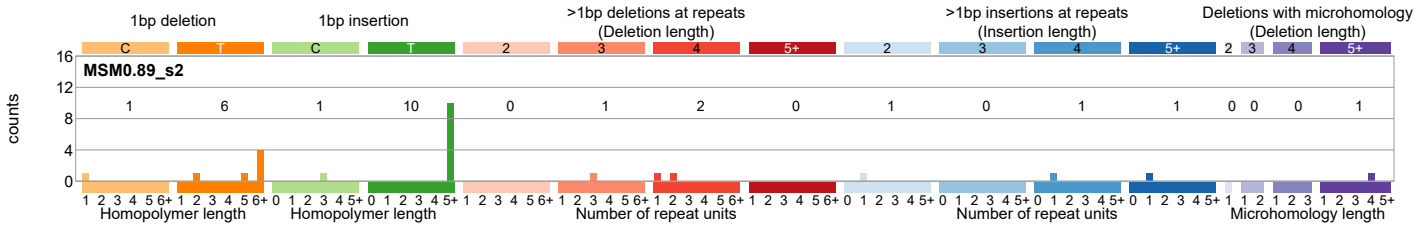
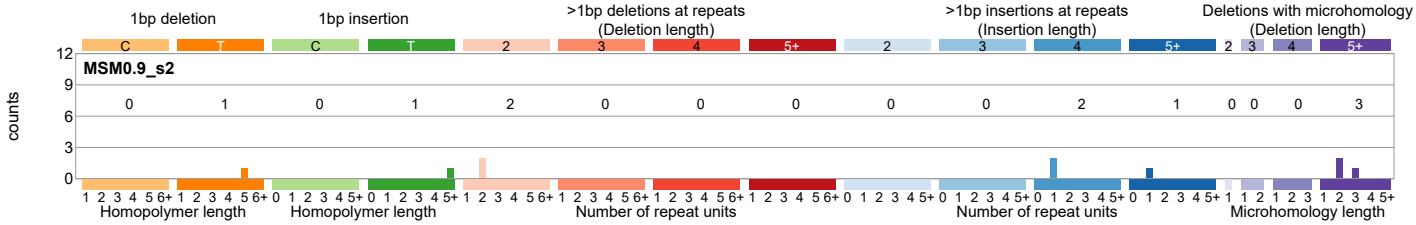
Deletions with microhomology (Deletion length)
MSM0.89_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.89_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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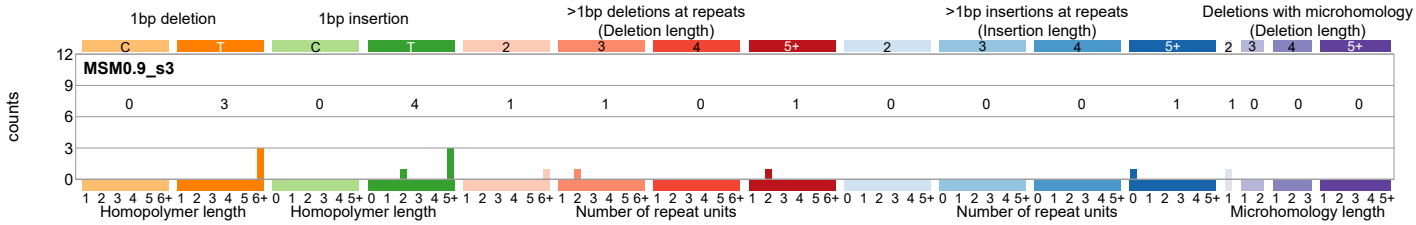
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.9_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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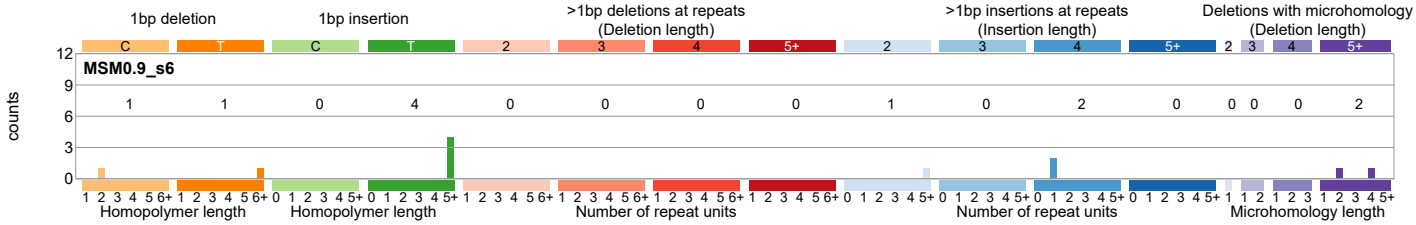
Deletions with microhomology (Deletion length)
MSM0.9_s3
counts
Homopolymer length
Number of repeat units
Microhomology length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1bp insertion
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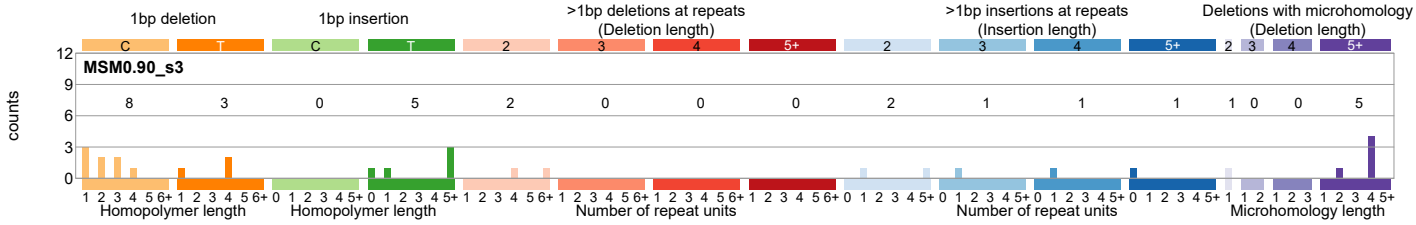
Deletions with microhomology (Deletion length)
MSM0.9_s6
counts
Homopolymer length
Number of repeat units
Microhomology length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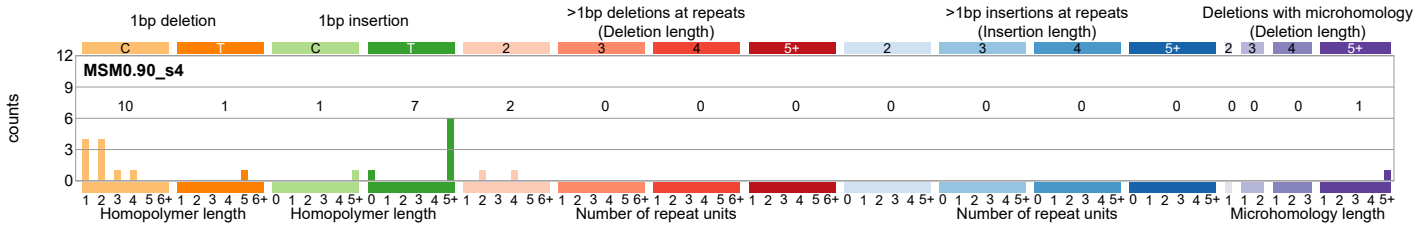
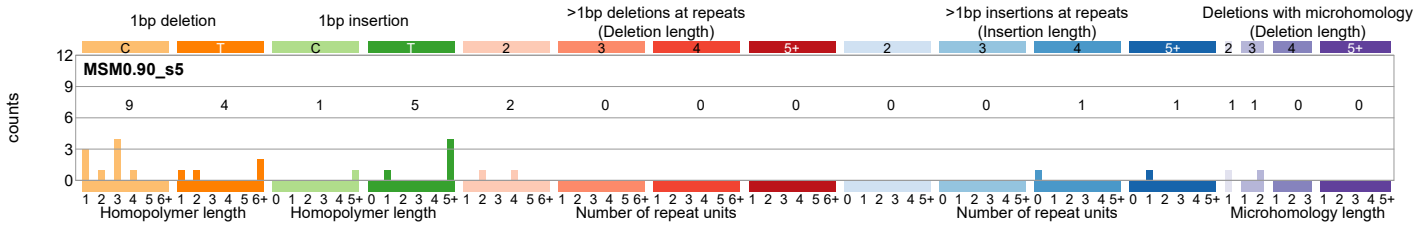
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.90_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.90_s4
counts
Homopolymer length
Number of repeat units
Microhomology length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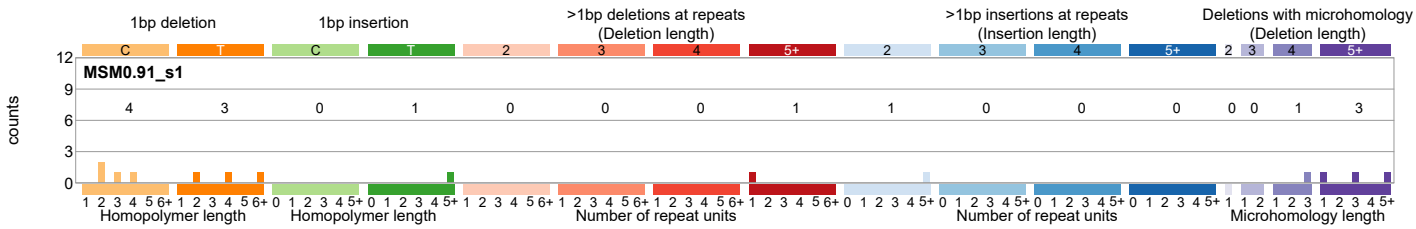
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.90_s5
counts
Homopolymer length
Number of repeat units
Microhomology length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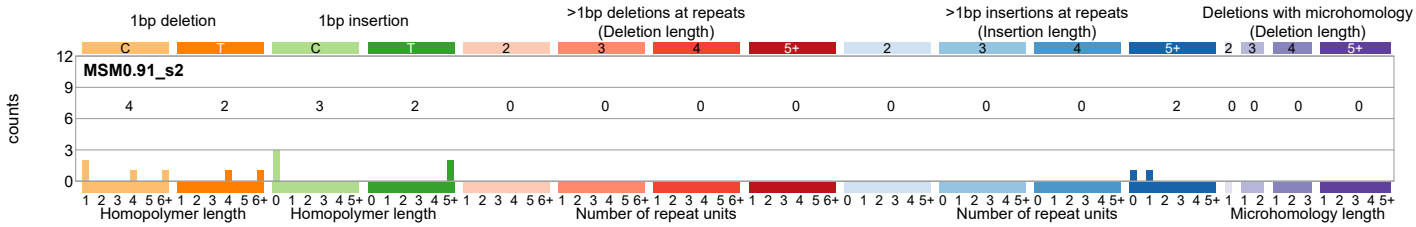
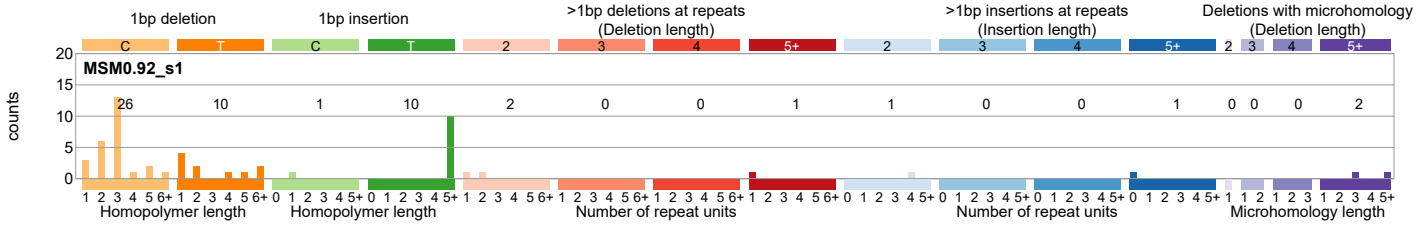
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.91_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.91_s2
counts
Homopolymer length
Number of repeat units
Microhomology length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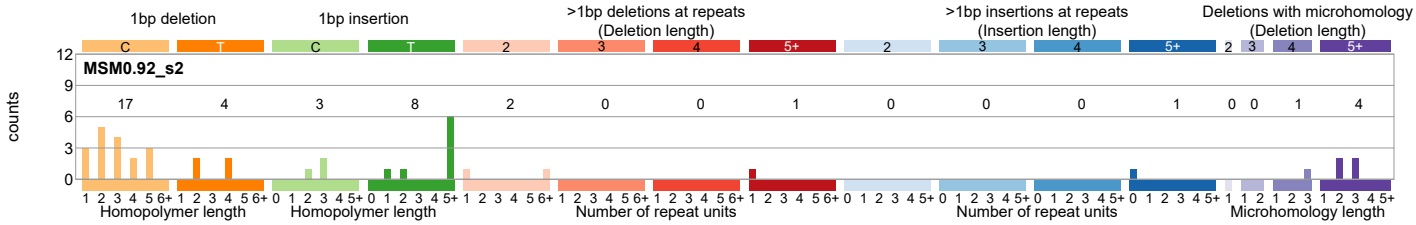
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.92_s1
counts
Homopolymer length
Number of repeat units
Microhomology length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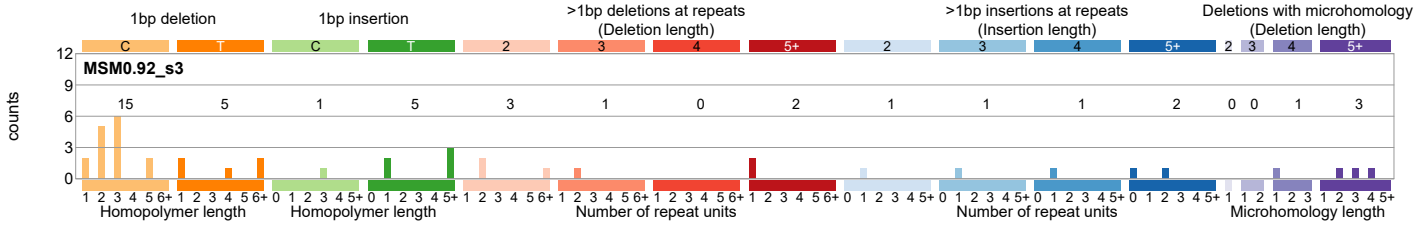
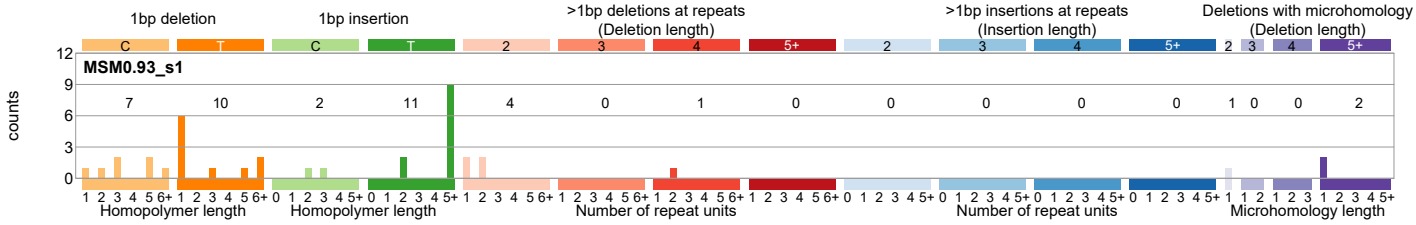
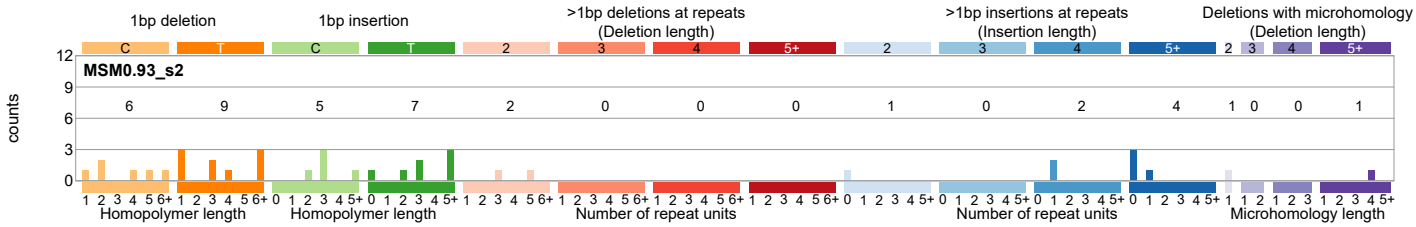
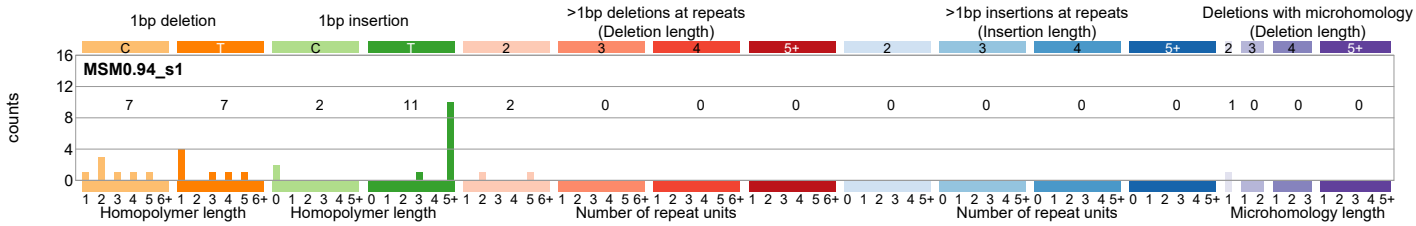
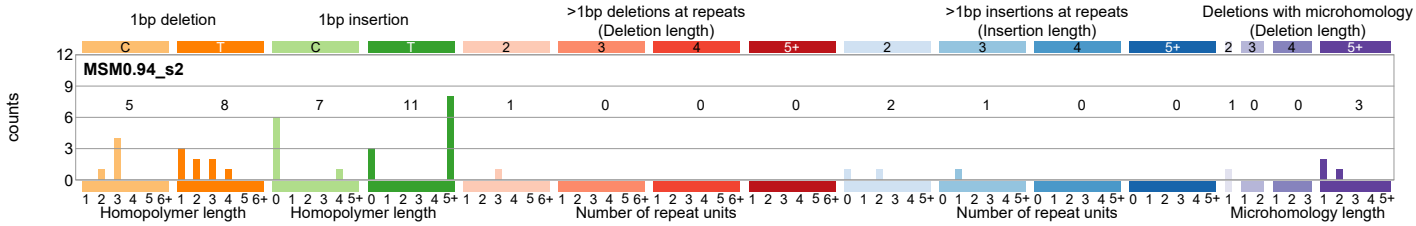
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.92_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

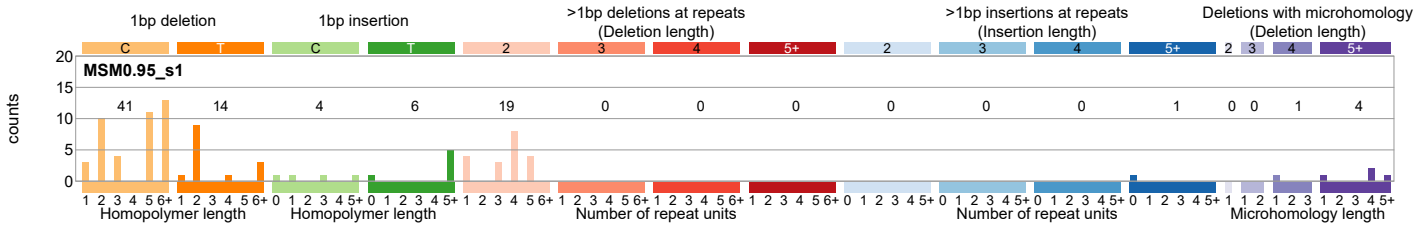

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.92_s3
counts
Homopolymer length
Number of repeat units
Microhomology length

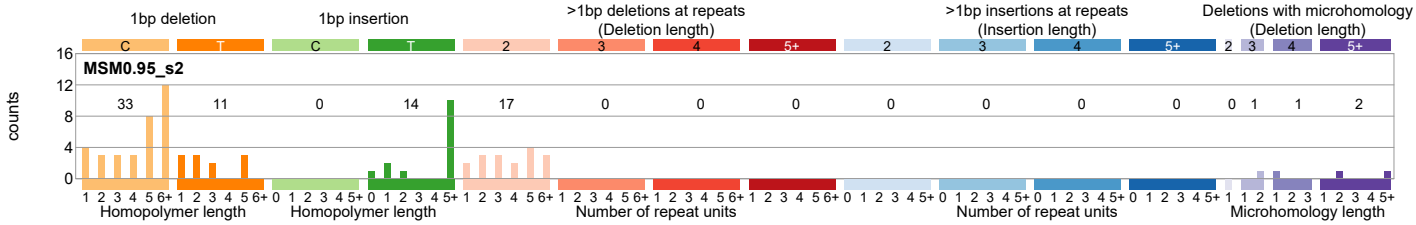

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.93_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

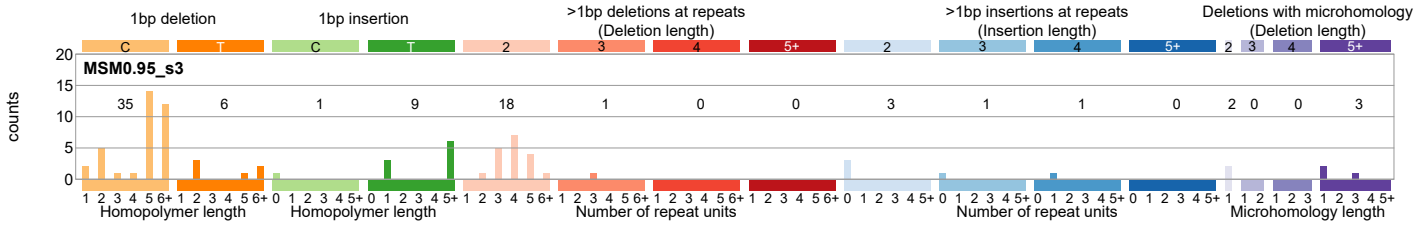

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.93_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

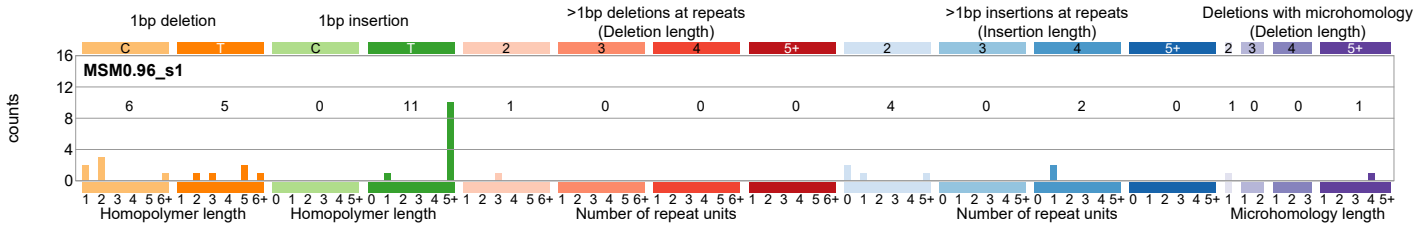

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.94_s1
counts
Homopolymer length
Number of repeat units
Microhomology length

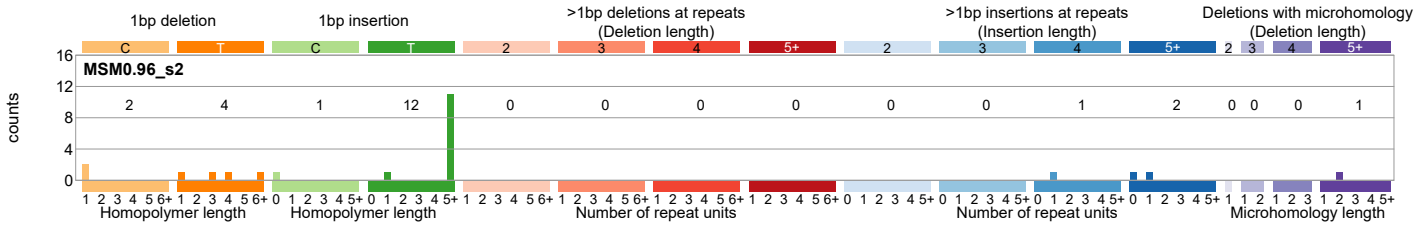

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.94_s2
counts
Homopolymer length
Number of repeat units
Microhomology length

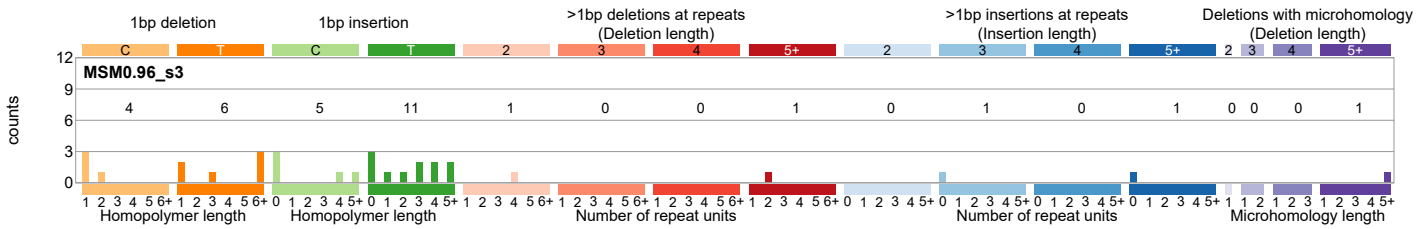

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.95_s1
counts
41 14 4 6 19 0 0 0 0 0 0 1 0 0 1 4
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

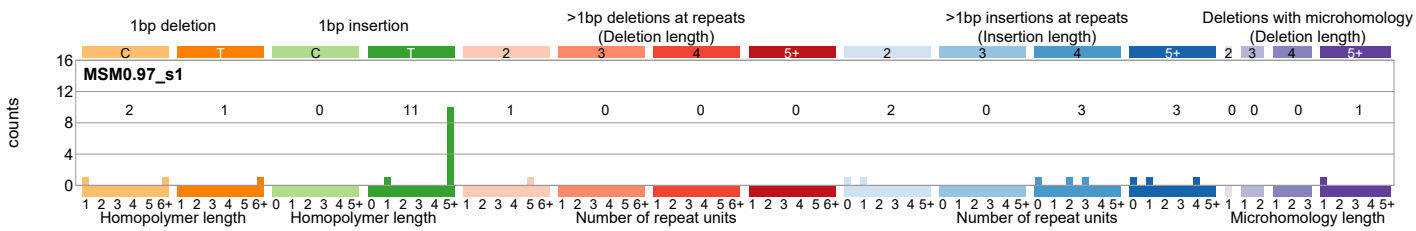

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.95_s2
counts
33 11 0 14 17 0 0 0 0 0 0 0 0 1 1 2
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

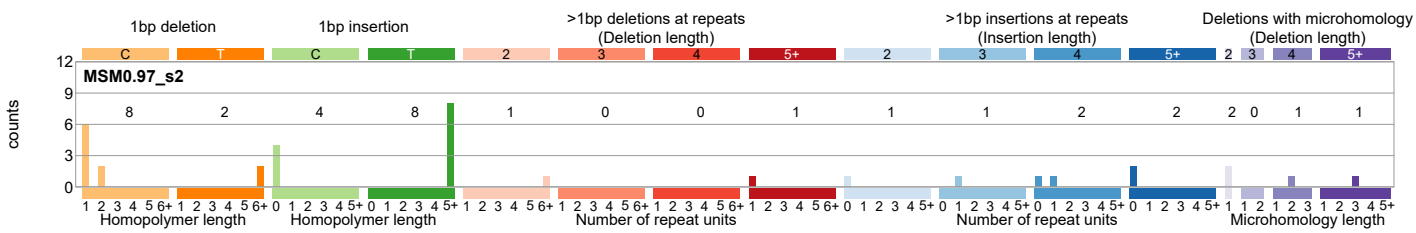

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.95_s3
counts
35 6 1 9 18 1 0 0 3 1 1 0 2 0 0 3
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

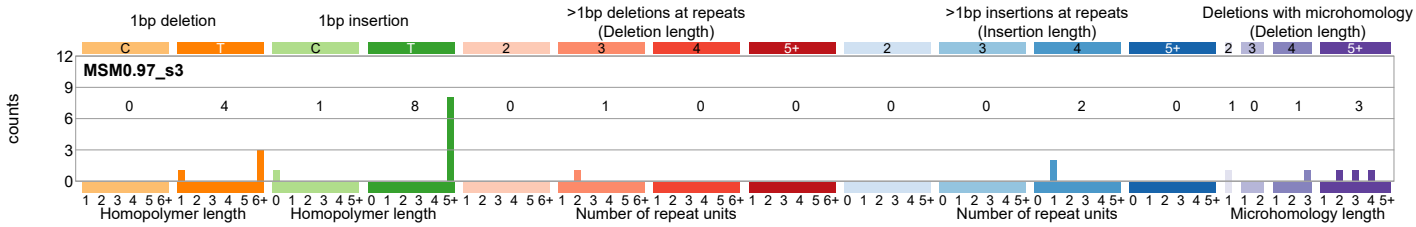

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.96_s1
counts
6 5 0 11 1 0 0 0 4 0 2 0 1 0 0 1
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

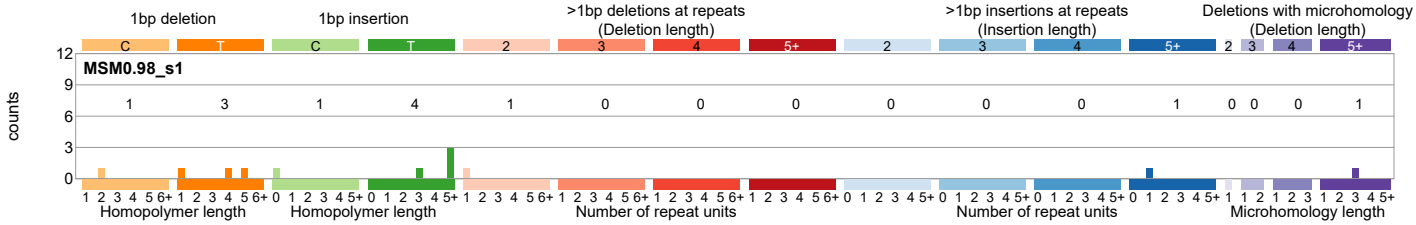

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.96_s2
counts
2 4 1 12 0 0 0 0 0 0 1 2 0 0 0 1
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

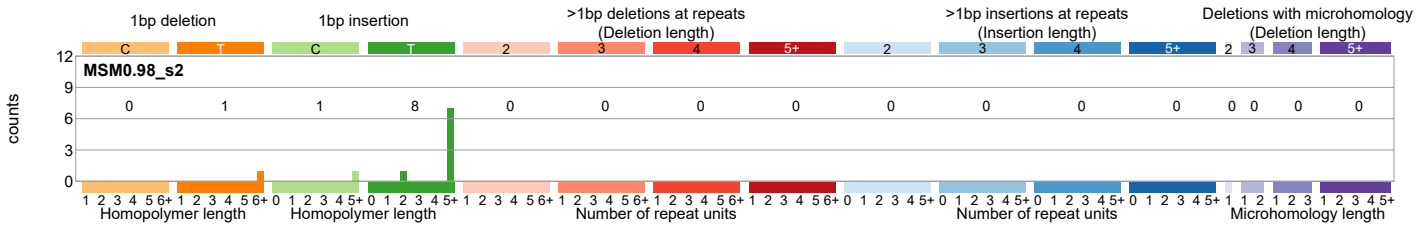

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.96_s3
counts
4 6 5 11 1 0 0 1 0 1 0 1 0 0 0 1
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

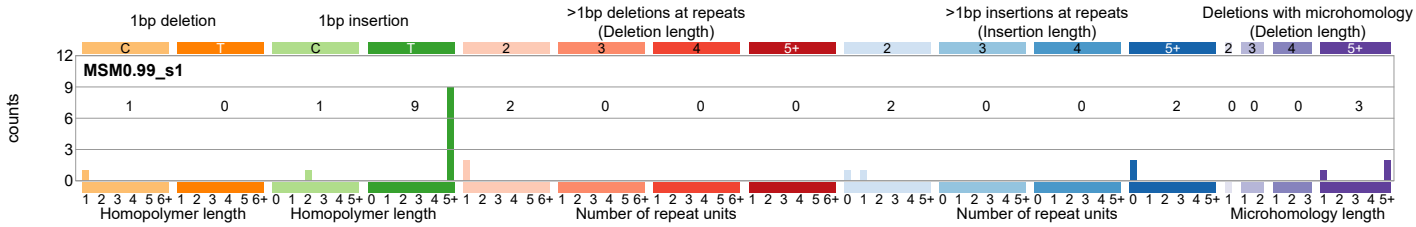

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.97_s1
counts
2 1 0 11 1 0 0 0 2 0 3 3 0 0 0 1
Homopolymer length
Homopolymer length
Number of repeat units
Number of repeat units
Microhomology length

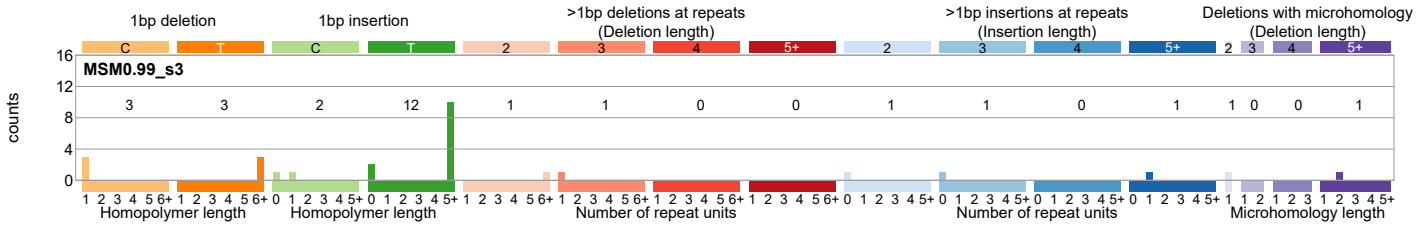

1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
C T C T 2 3 4 5+ 2 3 4 5+ 2 3 4 5+
MSM0.97_s2
counts
8 2 4 8 1 0 0 1 1 1 2 2 2 0 1 1
Homopolymer length
Homopolymer length
Number of repeat 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)
MSM0.97_s3
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.98_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.98_s2
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.99_s1
counts
Homopolymer length
Number of repeat units
Microhomology length


1bp deletion
1bp insertion
>1bp deletions at repeats (Deletion length)
>1bp insertions at repeats (Insertion length)
Deletions with microhomology (Deletion length)
MSM0.99_s3
counts
Homopolymer length
Number of repeat units
Microhomology length