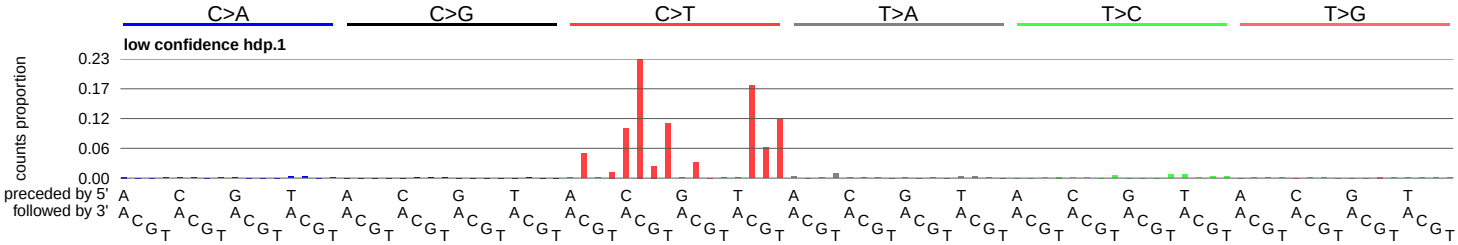
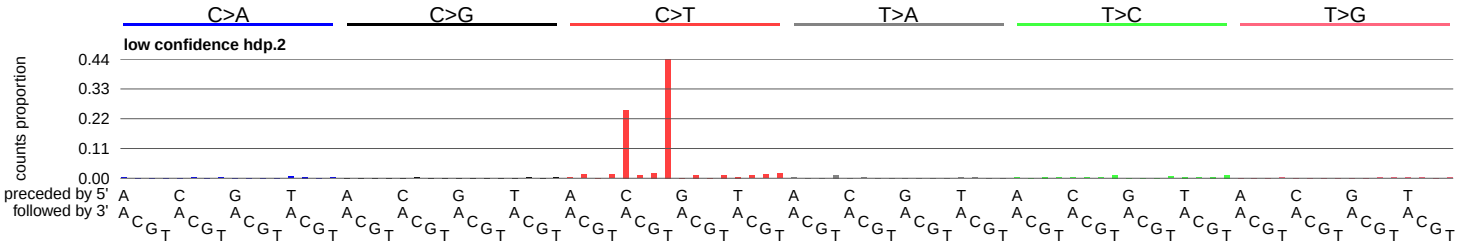
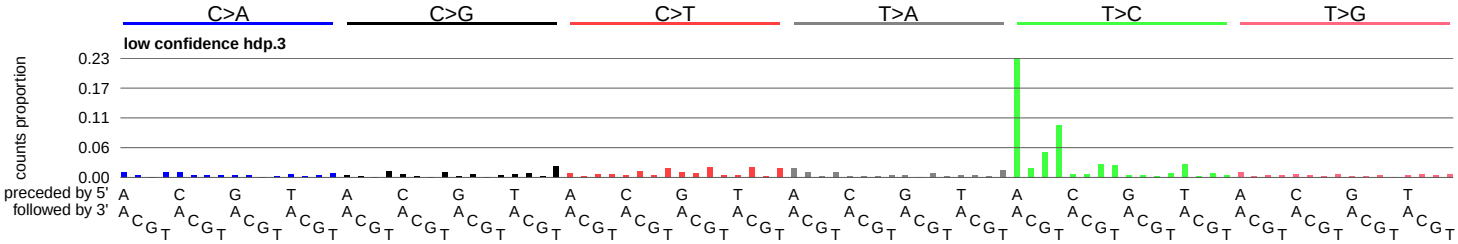

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.1
counts proportion
0.23
0.17
0.12
0.06
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.2
counts proportion
0.44
0.33
0.22
0.11
0.00
preceded by 5'
followed by 3'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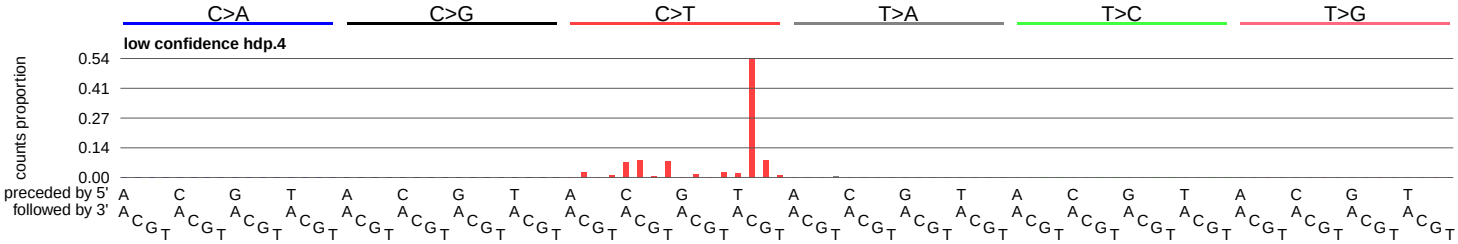
C>G
C>T
T>A
T>C
T>G
low confidence hdp.3
counts proportion
0.23
0.17
0.11
0.06
0.00
preceded by 5'
followed by 3'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C>G
C>T
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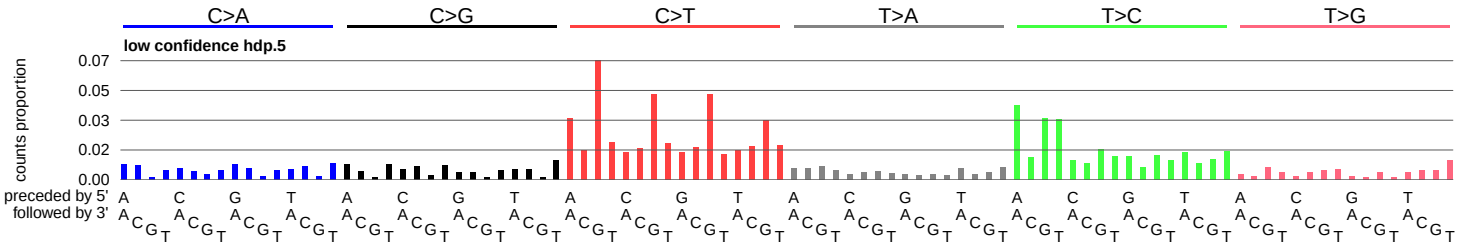
T>C
T>G
low confidence hdp.4
counts proportion
0.54
0.41
0.27
0.14
0.00
preceded by 5'
followed by 3'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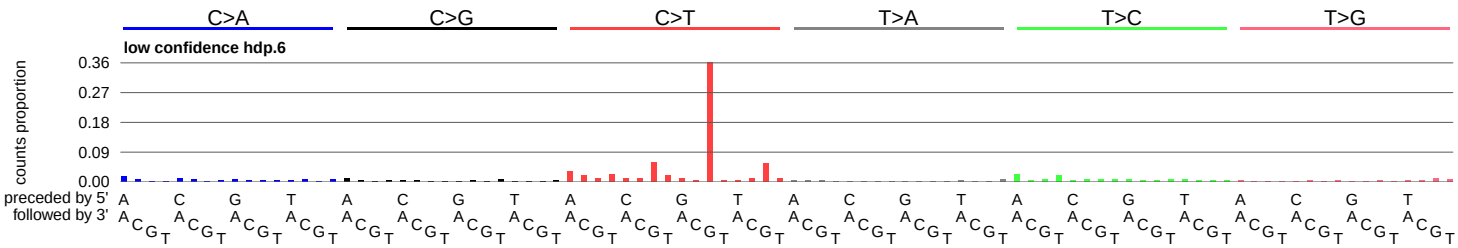
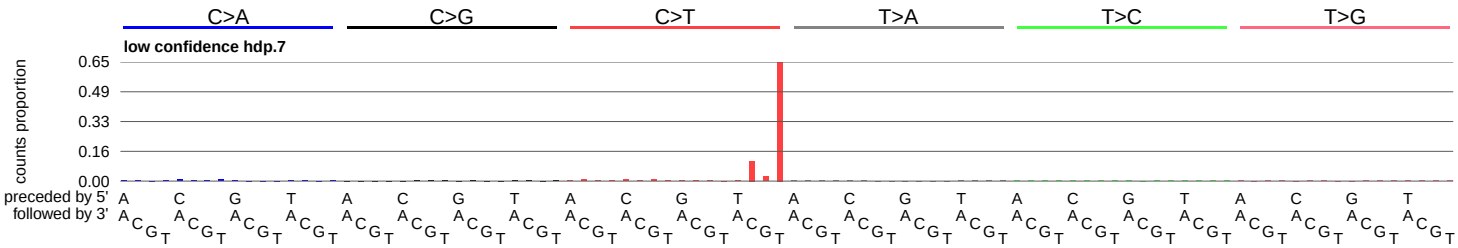
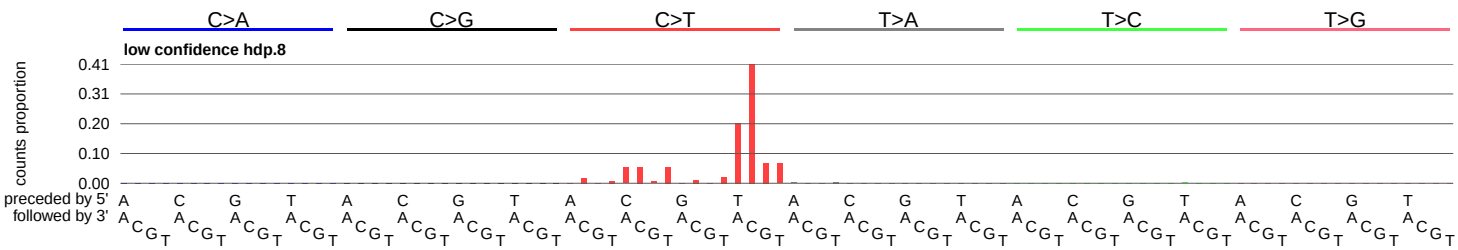
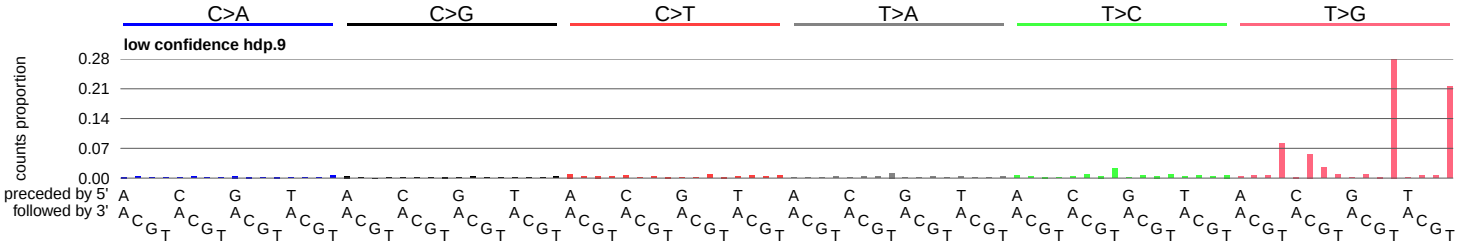
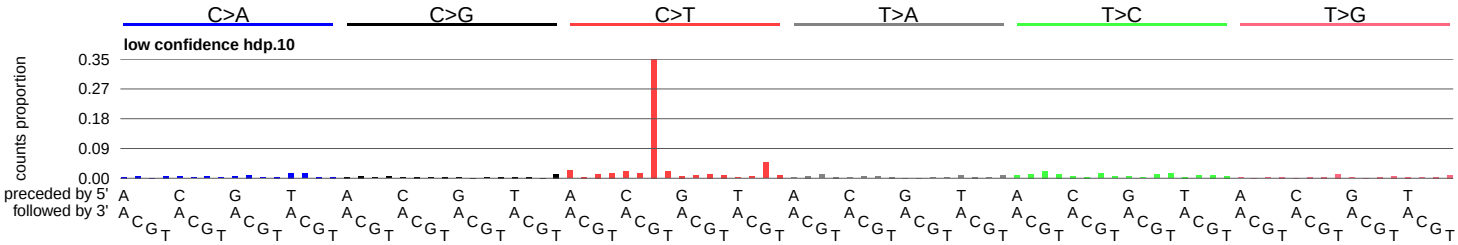
C>G
C>T
T>A
T>C
T>G
low confidence hdp.5
counts proportion
0.07
0.05
0.03
0.02
0.00
preceded by 5'
followed by 3'

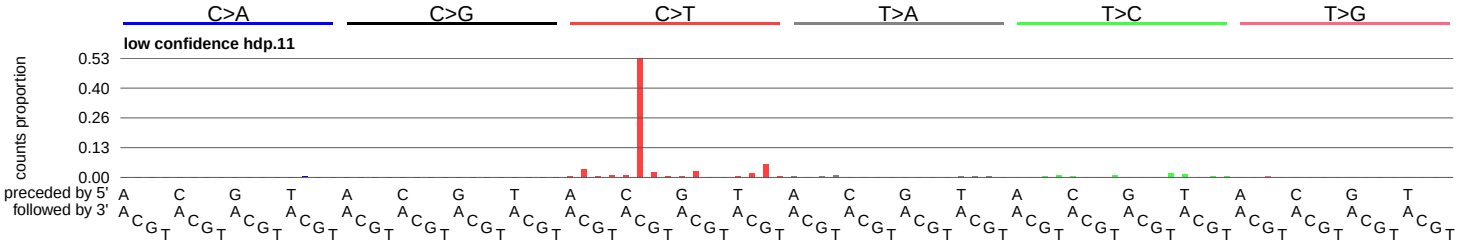

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.6
counts proportion
0.36
0.27
0.18
0.09
0.00
preceded by 5'
followed by 3'

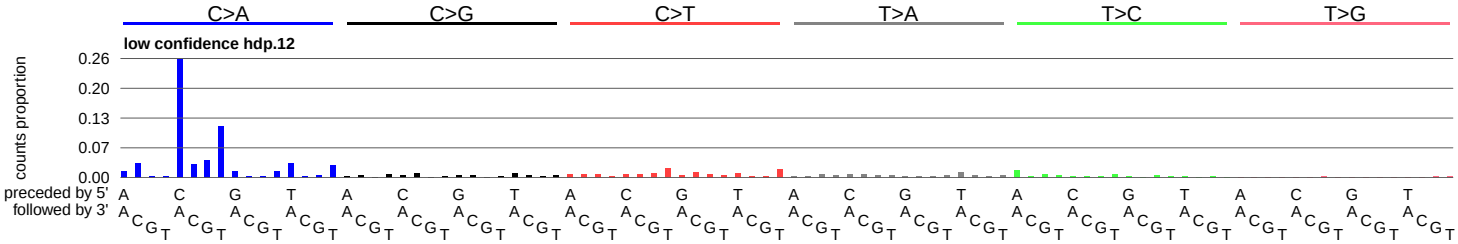

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.7
counts proportion
0.65
0.49
0.33
0.16
0.00
preceded by 5'
followed by 3'

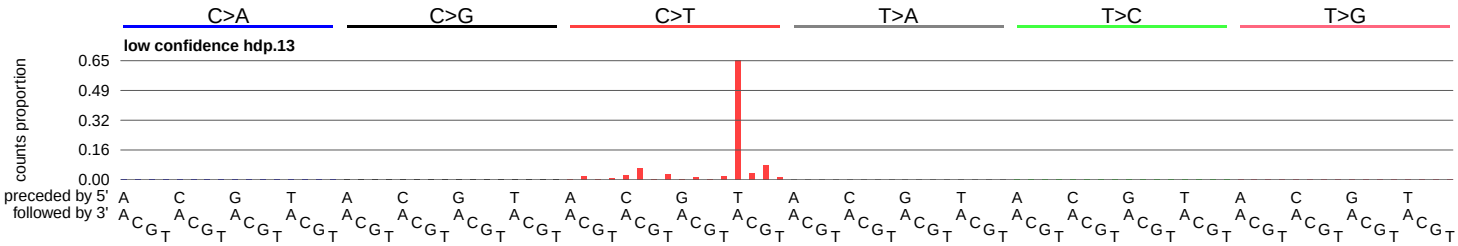

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.8
counts proportion
0.41
0.31
0.20
0.10
0.00
preceded by 5'
followed by 3'

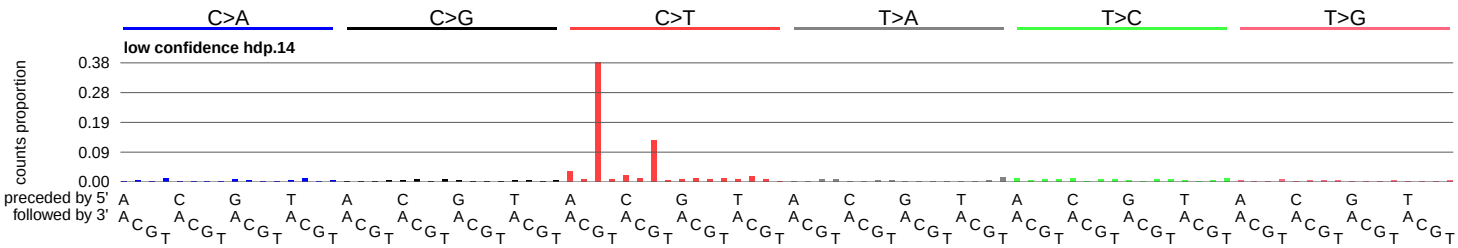

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.9
counts proportion
0.28
0.21
0.14
0.07
0.00
preceded by 5'
followed by 3'

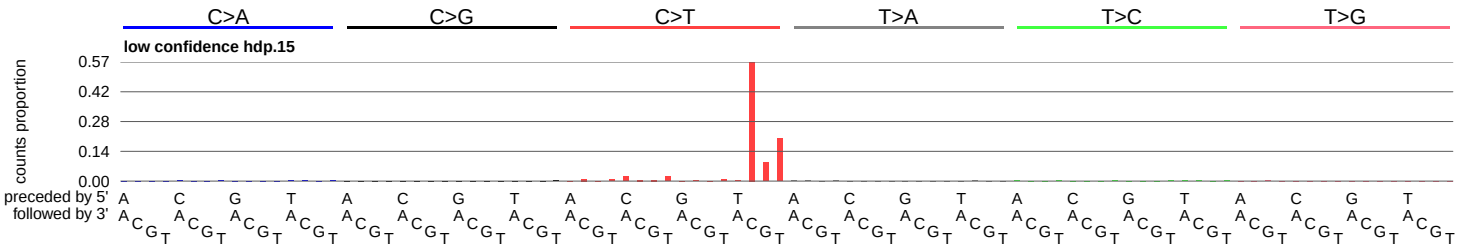

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.10
counts proportion
0.35
0.27
0.18
0.09
0.00
preceded by 5'
followed by 3'

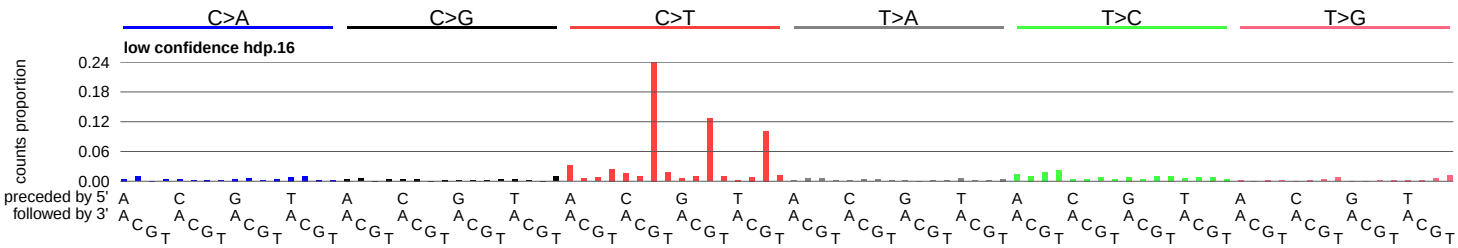

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.11
counts proportion
0.53
0.40
0.26
0.13
0.00
preceded by 5'
followed by 3'

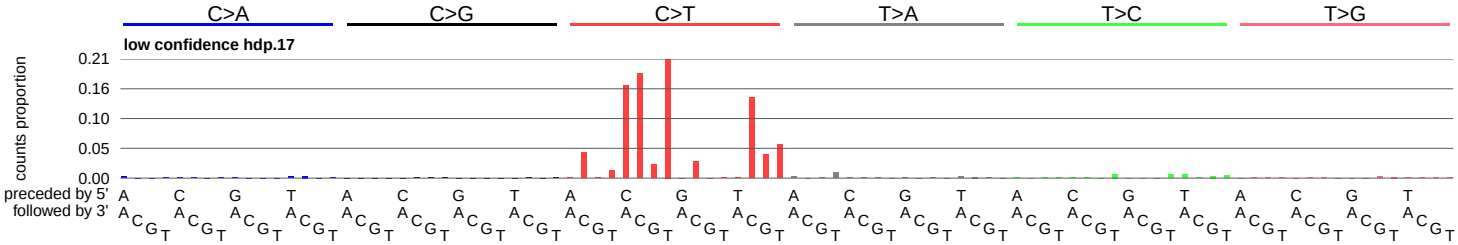

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.12
counts proportion
0.26
0.20
0.13
0.07
0.00
preceded by 5'
followed by 3'

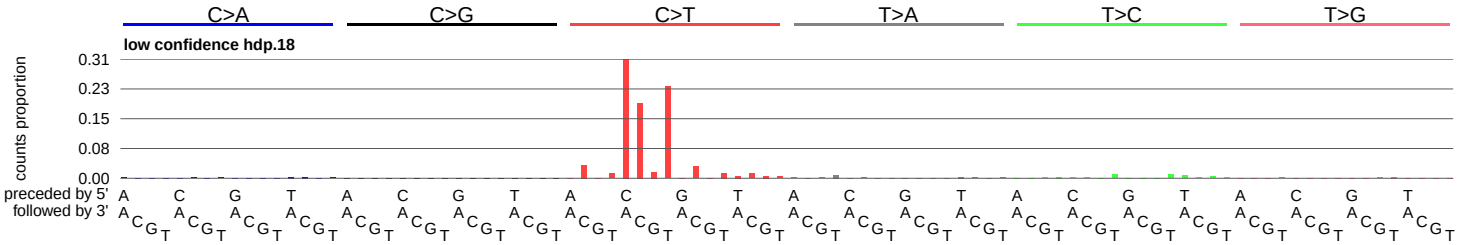

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.13
counts proportion
0.65
0.49
0.32
0.16
0.00
preceded by 5'
followed by 3'

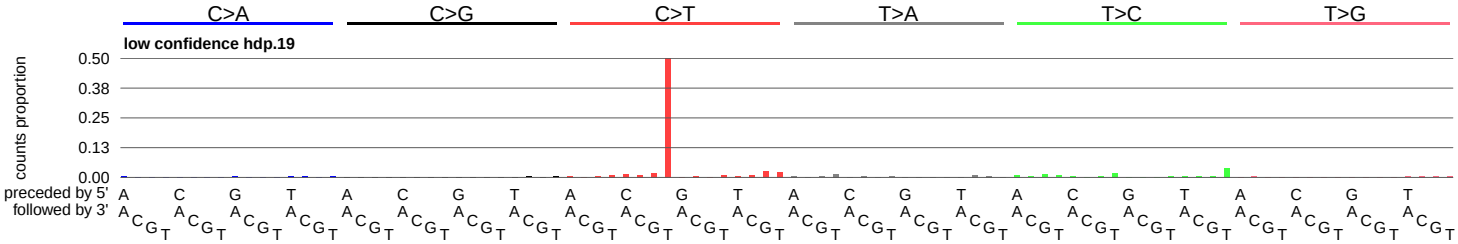

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.14
counts proportion
0.38
0.28
0.19
0.09
0.00
preceded by 5'
followed by 3'

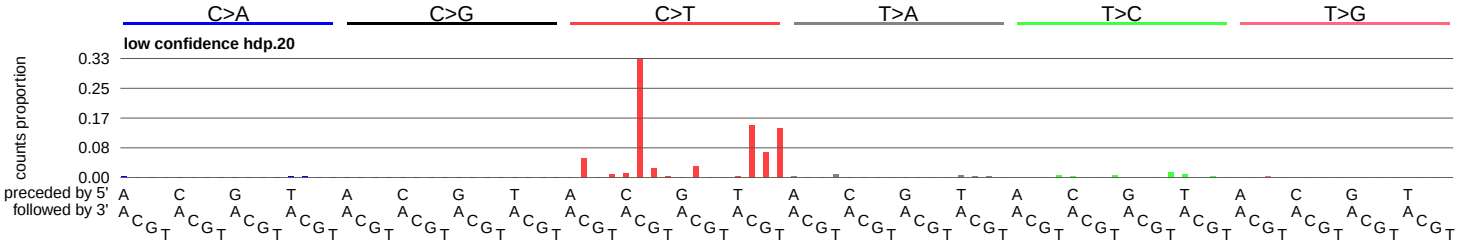

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.15
counts proportion
0.57
0.42
0.28
0.14
0.00
preceded by 5'
followed by 3'

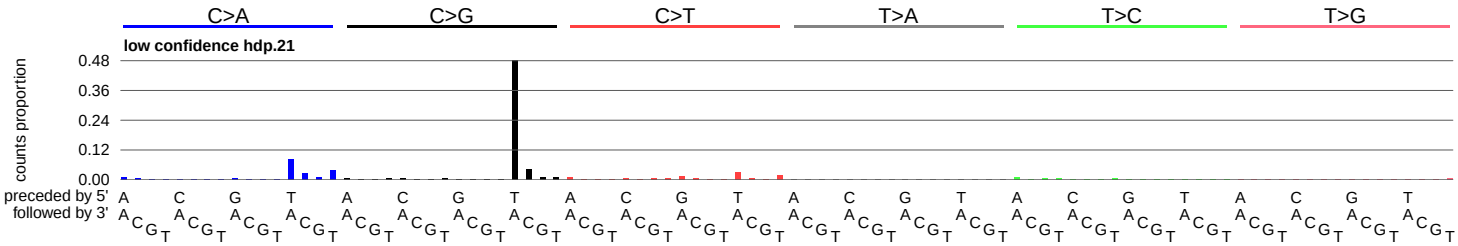

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.16
counts proportion
0.24
0.18
0.12
0.06
0.00
preceded by 5'
followed by 3'

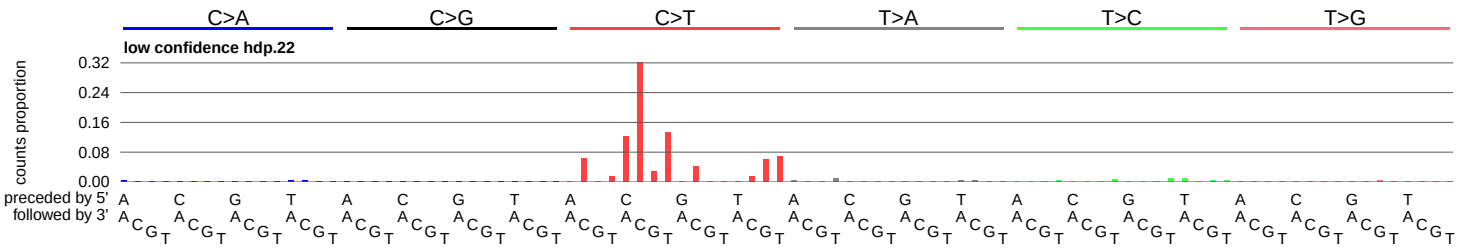

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.17
counts proportion
0.21
0.16
0.10
0.05
0.00
preceded by 5'
followed by 3'

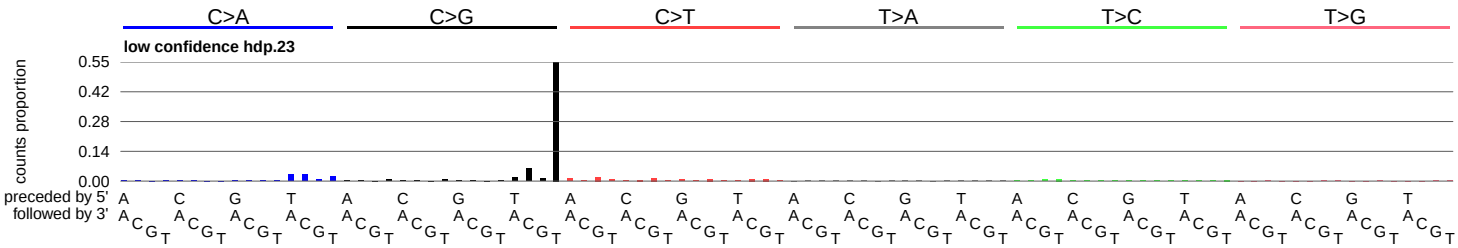

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.18
counts proportion
0.31
0.23
0.15
0.08
0.00
preceded by 5'
followed by 3'

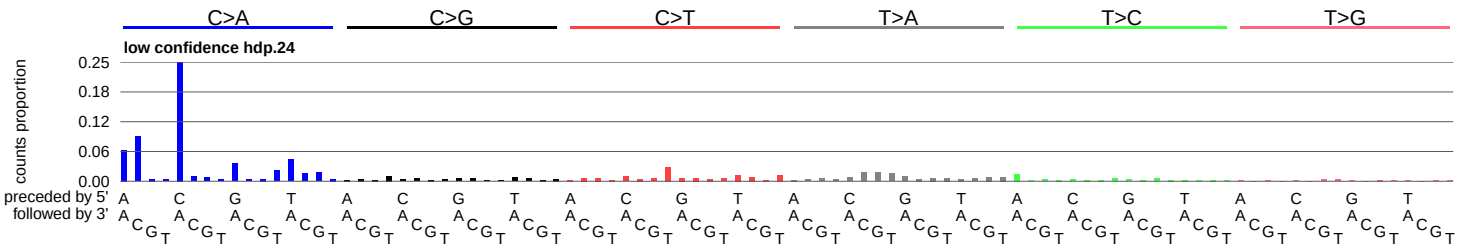

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.19
counts proportion
0.50
0.38
0.25
0.13
0.00
preceded by 5'
followed by 3'

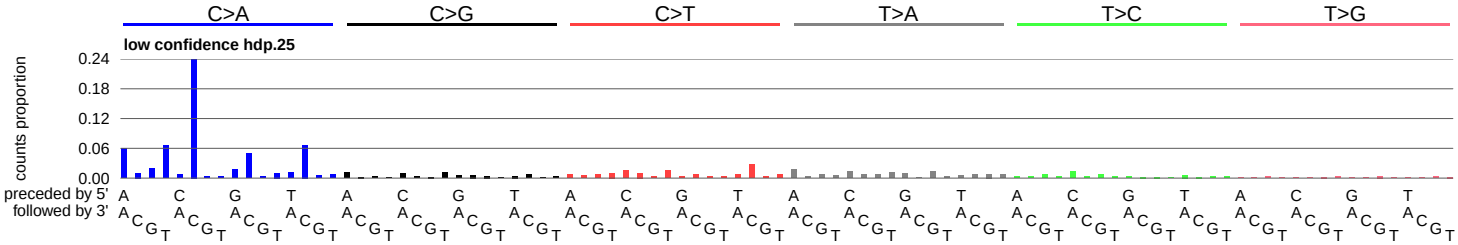

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.20
counts proportion
0.33
0.25
0.17
0.08
0.00
preceded by 5'
followed by 3'

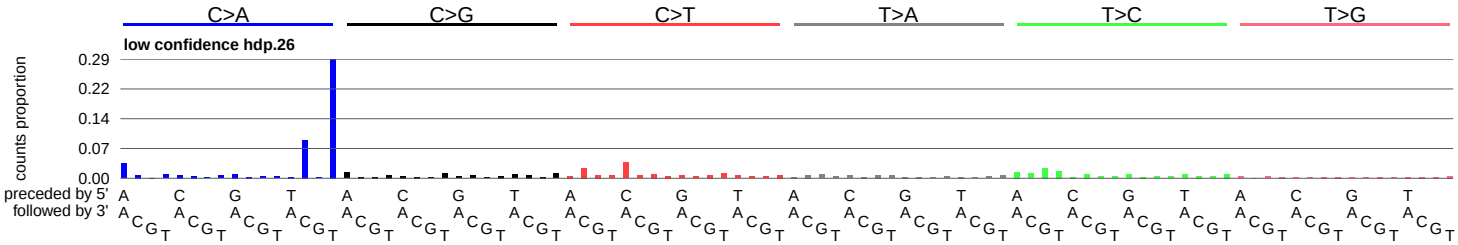

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.21
counts proportion
0.48
0.36
0.24
0.12
0.00
preceded by 5'
followed by 3'

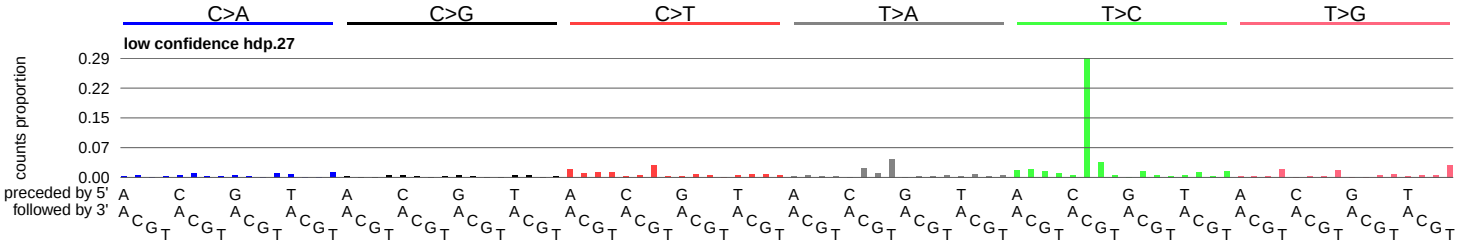

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.22
counts proportion
0.32
0.24
0.16
0.08
0.00
preceded by 5'
followed by 3'

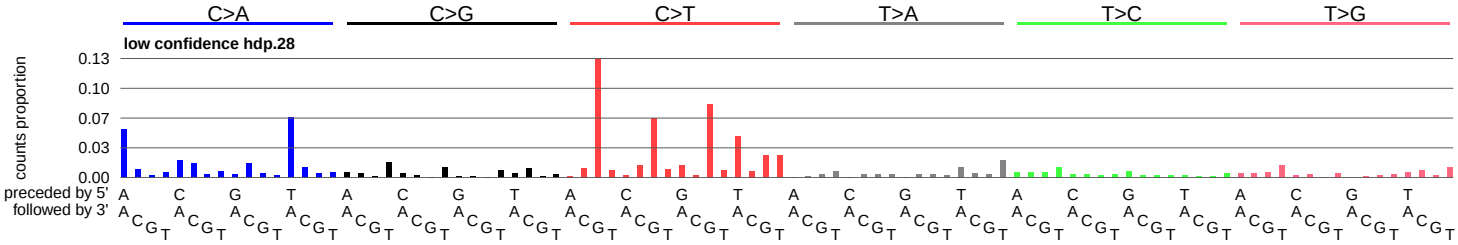

C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.23
counts proportion
0.55
0.42
0.28
0.14
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.24
counts proportion
0.25
0.18
0.12
0.06
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.25
counts proportion
0.24
0.18
0.12
0.06
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.26
counts proportion
0.29
0.22
0.14
0.07
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.27
counts proportion
0.29
0.22
0.15
0.07
0.00
preceded by 5'
followed by 3'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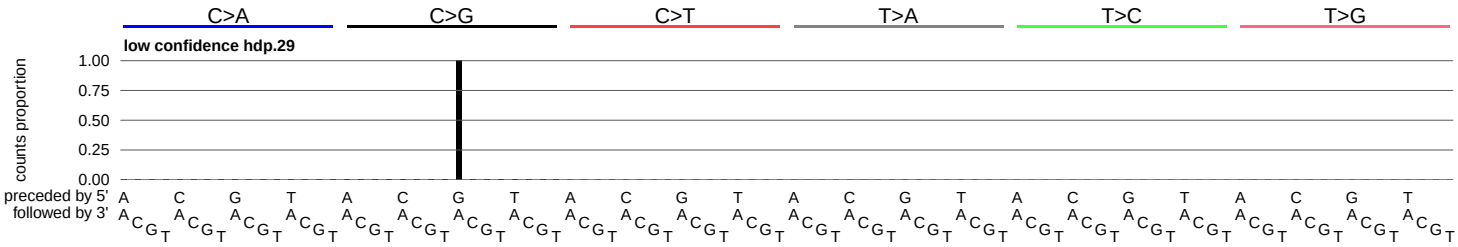
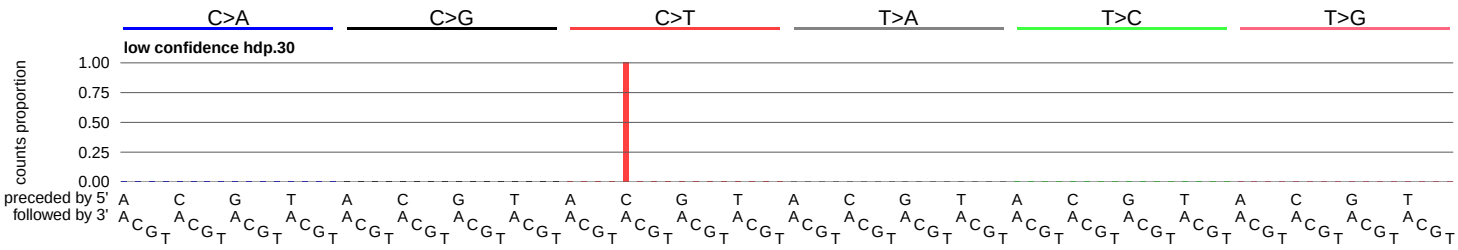
C>G
C>T
T>A
T>C
T>G
low confidence hdp.28
counts proportion
0.13
0.10
0.07
0.03
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.29
counts proportion
1.00
0.75
0.50
0.25
0.00
preceded by 5'
followed by 3'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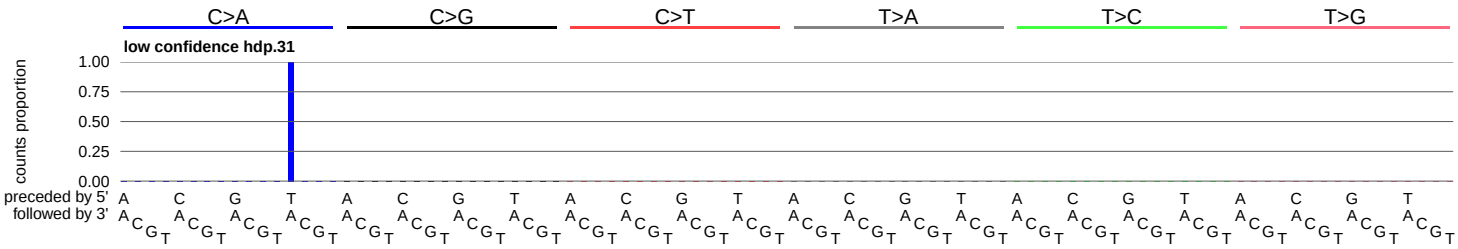
C>G
C>T
T>A
T>C
T>G
low confidence hdp.30
counts proportion
1.00
0.75
0.50
0.25
0.00
preceded by 5'
followed by 3'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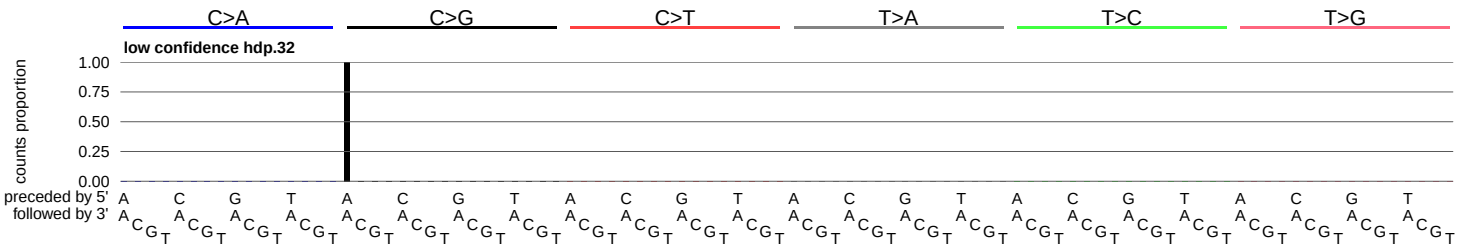
C>G
C>T
T>A
T>C
T>G
low confidence hdp.31
counts proportion
1.00
0.75
0.50
0.25
0.00
preceded by 5'
followed by 3'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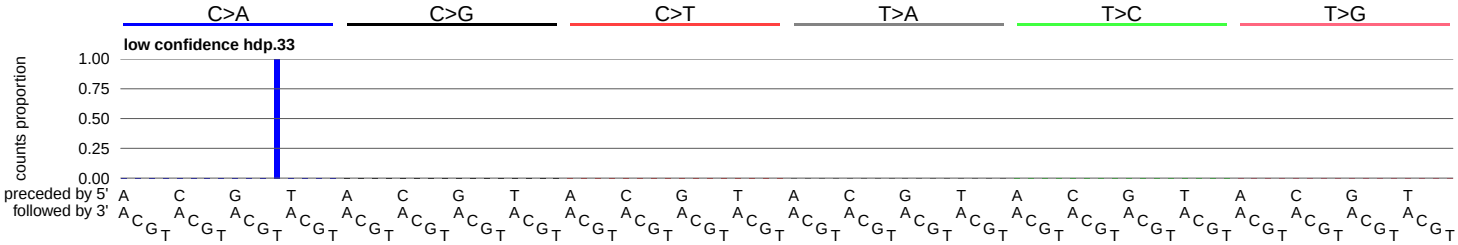
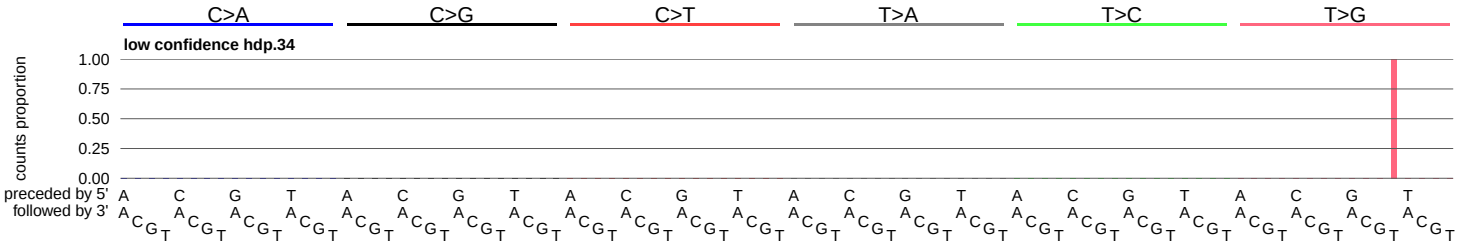
C>G
C>T
T>A
T>C
T>G
low confidence hdp.32
counts proportion
1.00
0.75
0.50
0.25
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.33
counts proportion
1.00
0.75
0.50
0.25
0.00
preceded by 5'
followed by 3'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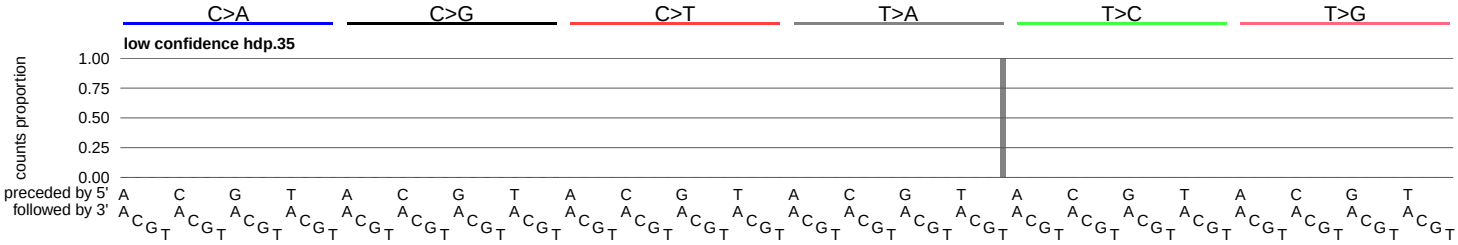
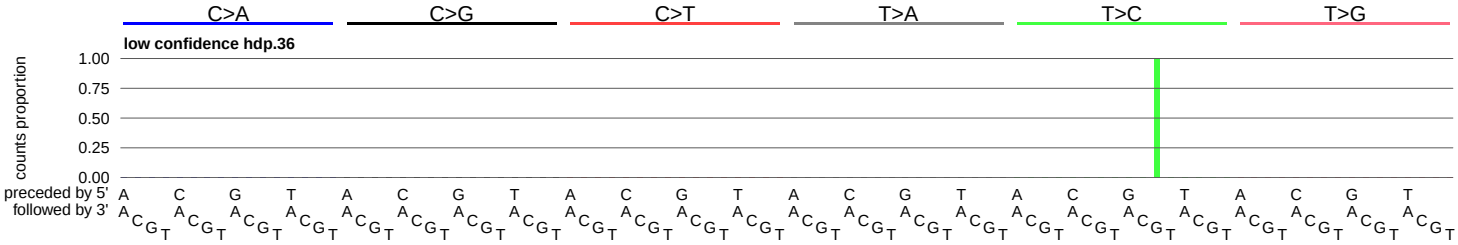
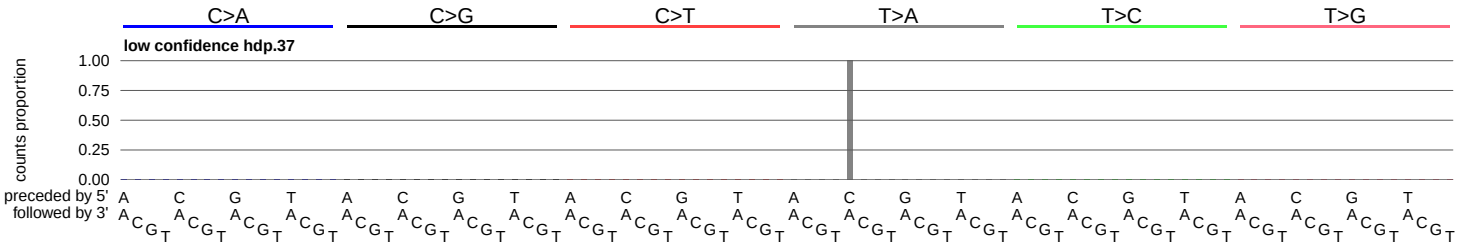
C>G
C>T
T>A
T>C
T>G
low confidence hdp.34
counts proportion
1.00
0.75
0.50
0.25
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.35
counts proportion
1.00
0.75
0.50
0.25
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.36
counts proportion
1.00
0.75
0.50
0.25
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
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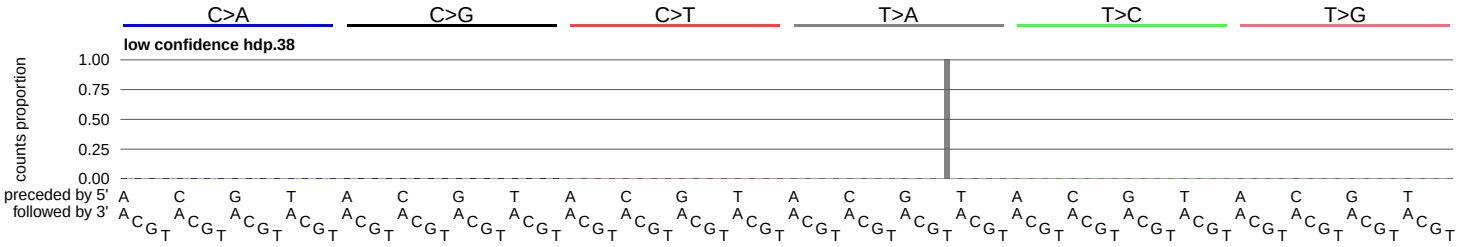
T>C
T>G
low confidence hdp.37
counts proportion
1.00
0.75
0.50
0.25
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
low confidence hdp.38
counts proportion
1.00
0.75
0.50
0.25
0.00
preceded by 5'
followed by 3'