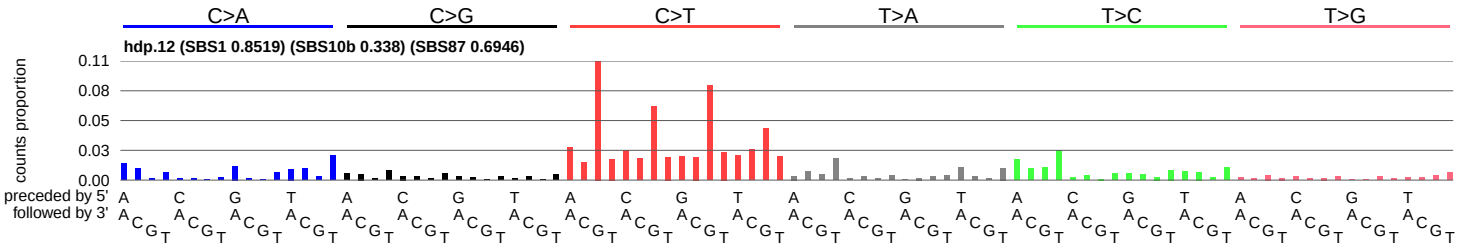
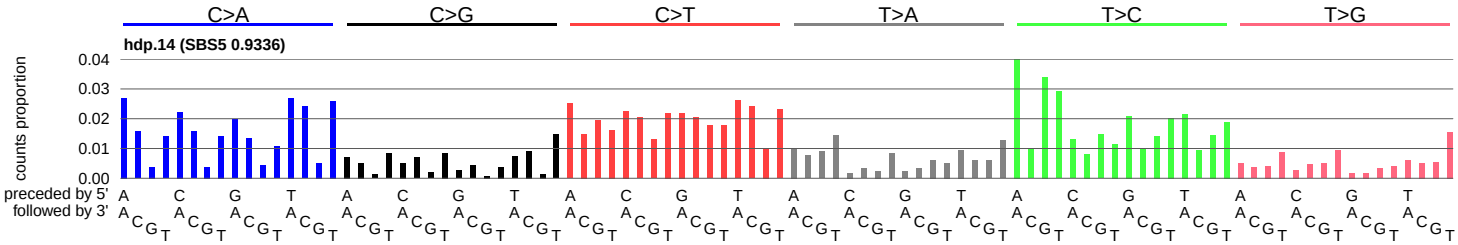

C>A
C>G
C>T
T>A
T>C
T>G
hdp.12 (SBS1 0.8519) (SBS10b 0.338) (SBS87 0.6946)
counts proportion
0.11
0.08
0.05
0.03
0.00
preceded by 5'
followed by 3'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C>G
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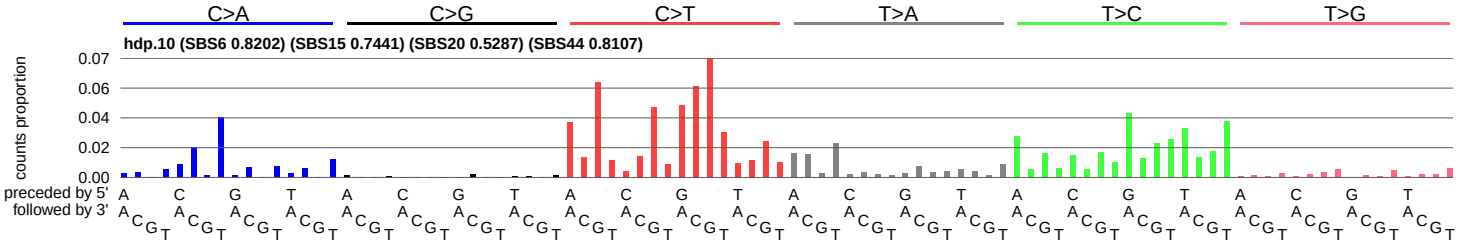
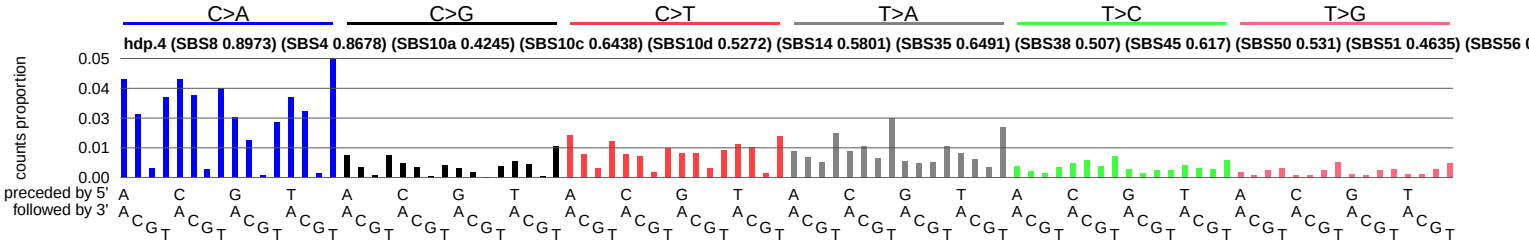
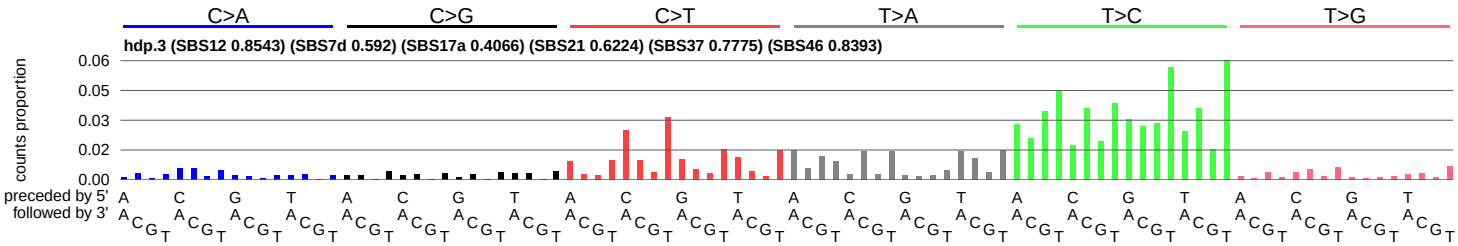
T>C
T>G
hdp.14 (SBS5 0.9336)
counts proportion
0.04
0.03
0.02
0.01
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.10 (SBS6 0.8202) (SBS15 0.7441) (SBS20 0.5287) (SBS44 0.8107)
counts proportion
0.07
0.06
0.04
0.02
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.4 (SBS8 0.8973) (SBS4 0.8678) (SBS10a 0.4245) (SBS10c 0.6438) (SBS10d 0.5272) (SBS14 0.5801) (SBS35 0.6491) (SBS38 0.507) (SBS45 0.617) (SBS50 0.531) (SBS51 0.4635) (SBS56
counts proportion
0.05
0.04
0.03
0.01
0.00
preceded by 5'
followed by 3'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C>G
C>T
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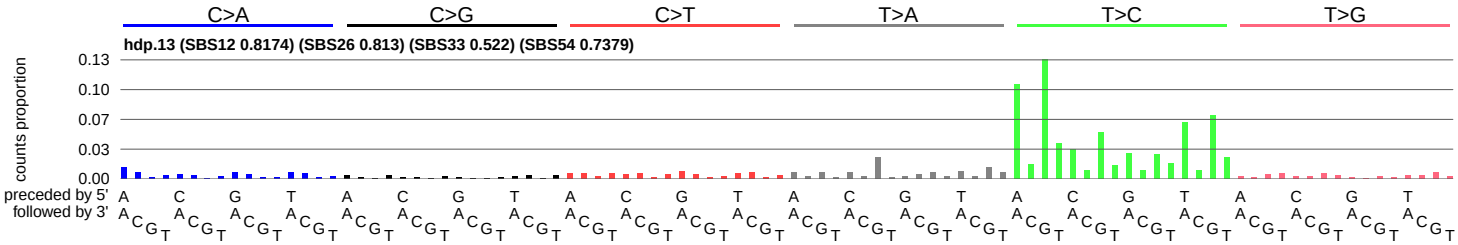
T>C
T>G
hdp.3 (SBS12 0.8543) (SBS7d 0.592) (SBS17a 0.4066) (SBS21 0.6224) (SBS37 0.7775) (SBS46 0.8393)
counts proportion
0.06
0.05
0.03
0.02
0.00
preceded by 5'
followed by 3'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C>G
C>T
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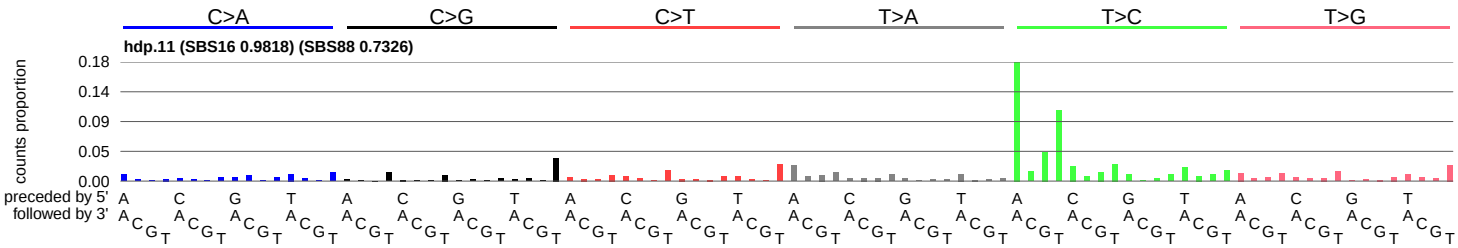
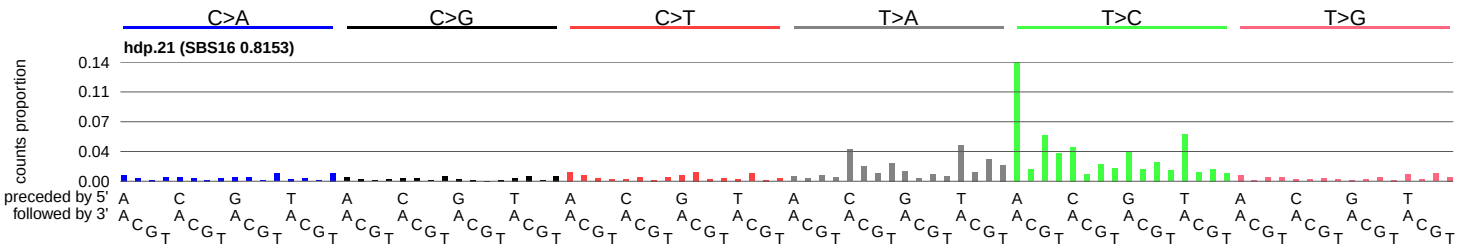
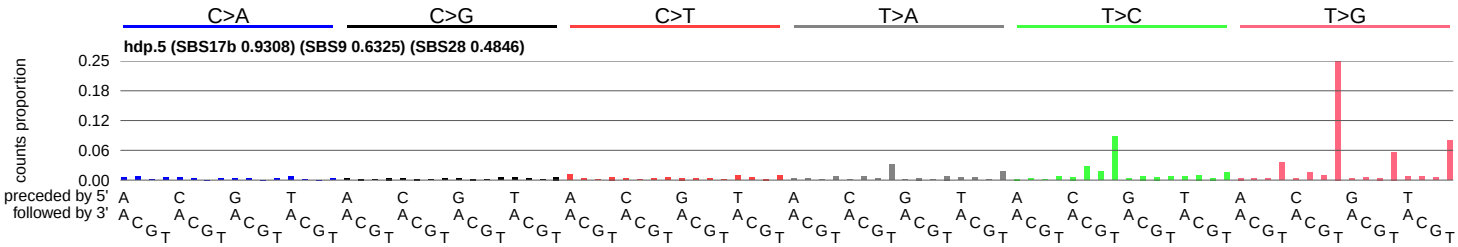
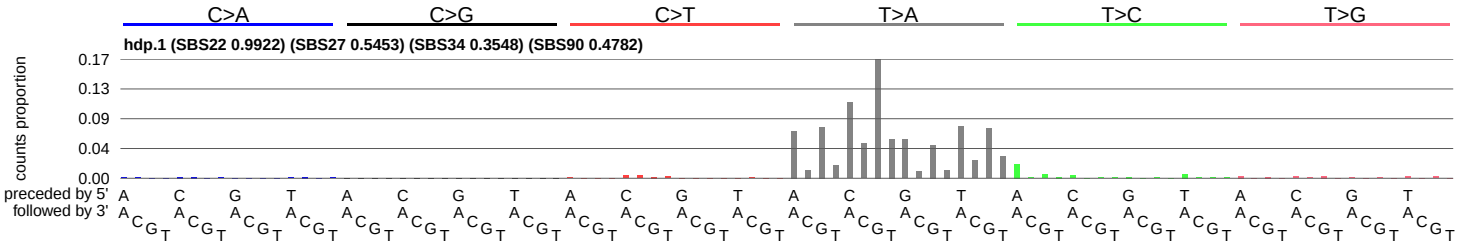
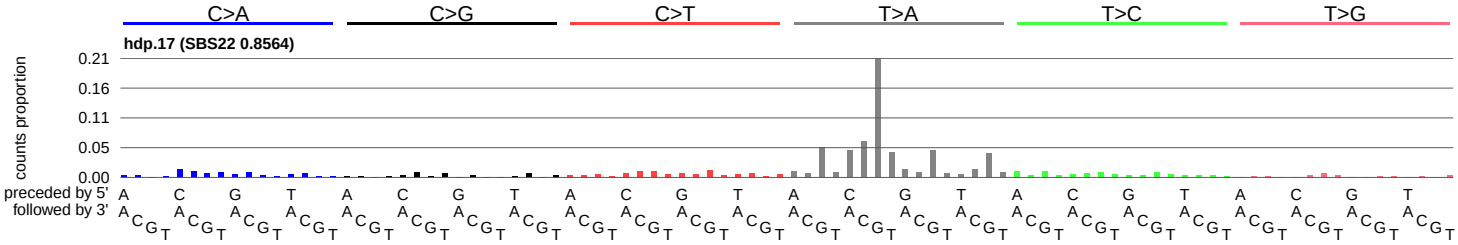
T>C
T>G
hdp.13 (SBS12 0.8174) (SBS26 0.813) (SBS33 0.522) (SBS54 0.7379)
counts proportion
0.13
0.10
0.07
0.03
0.00
preceded by 5'
followed by 3'

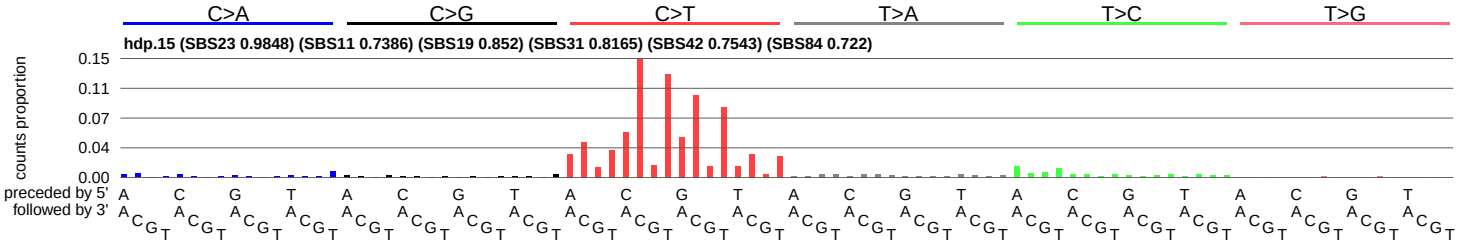

C>A
C>G
C>T
T>A
T>C
T>G
hdp.11 (SBS16 0.9818) (SBS88 0.7326)
counts proportion
0.18
0.14
0.09
0.05
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.21 (SBS16 0.8153)
counts proportion
0.14
0.11
0.07
0.04
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.5 (SBS17b 0.9308) (SBS9 0.6325) (SBS28 0.4846)
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
hdp.1 (SBS22 0.9922) (SBS27 0.5453) (SBS34 0.3548) (SBS90 0.4782)
counts proportion
0.17
0.13
0.09
0.04
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.17 (SBS22 0.8564)
counts proportion
0.21
0.16
0.11
0.05
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
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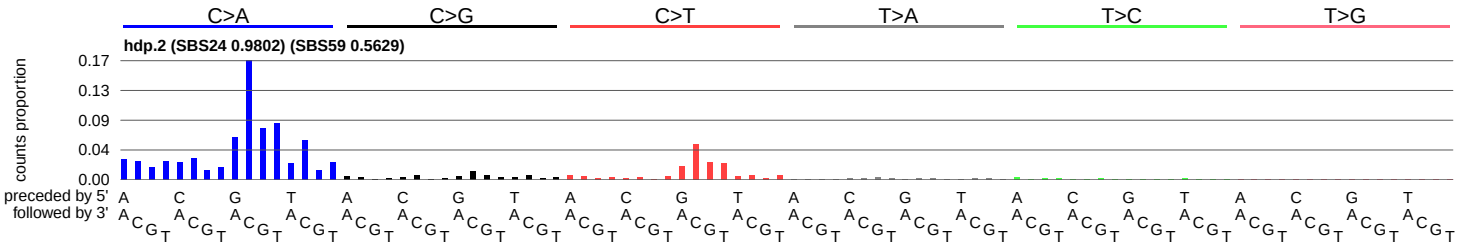
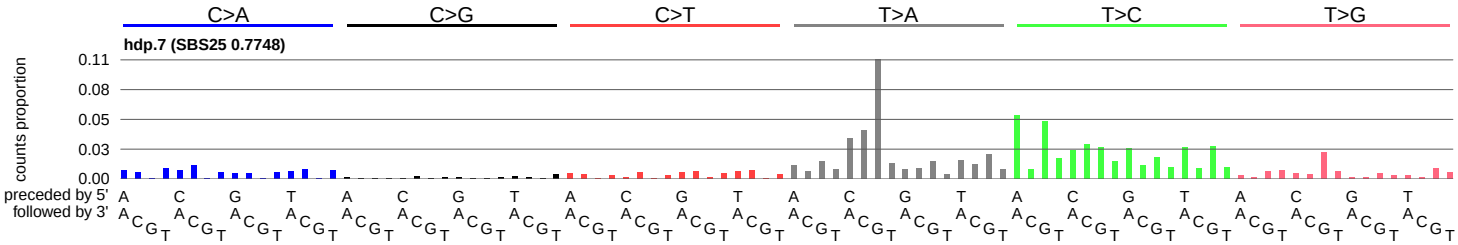
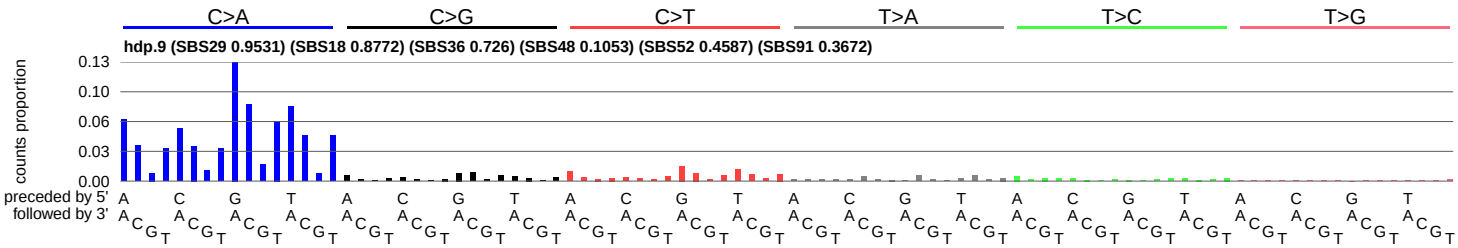
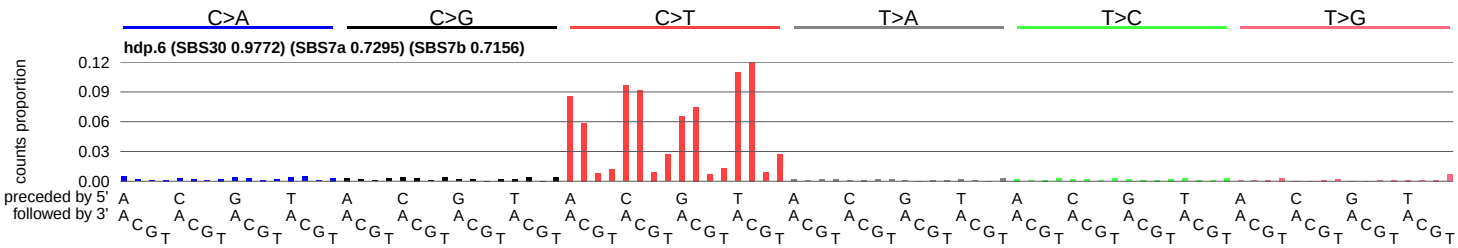
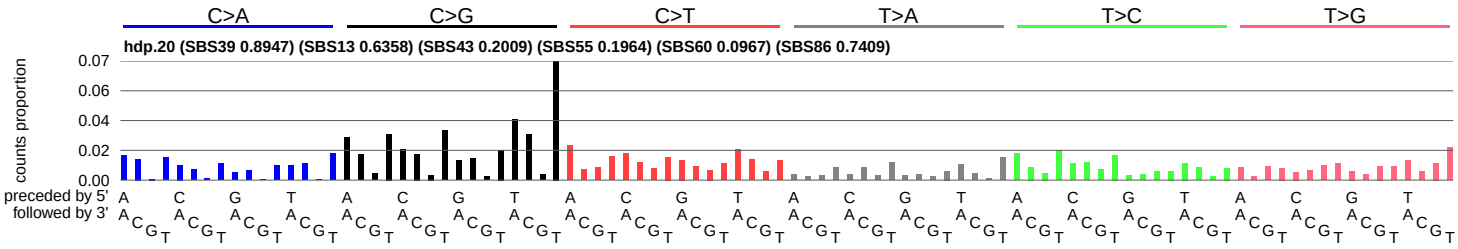
T>C
T>G
hdp.15 (SBS23 0.9848) (SBS11 0.7386) (SBS19 0.852) (SBS31 0.8165) (SBS42 0.7543) (SBS84 0.722)
counts proportion
0.15
0.11
0.07
0.04
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.2 (SBS24 0.9802) (SBS59 0.5629)
counts proportion
0.17
0.13
0.09
0.04
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.7 (SBS25 0.7748)
counts proportion
0.11
0.08
0.05
0.03
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.9 (SBS29 0.9531) (SBS18 0.8772) (SBS36 0.726) (SBS48 0.1053) (SBS52 0.4587) (SBS91 0.3672)
counts proportion
0.13
0.10
0.06
0.03
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.6 (SBS30 0.9772) (SBS7a 0.7295) (SBS7b 0.7156)
counts proportion
0.12
0.09
0.06
0.03
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
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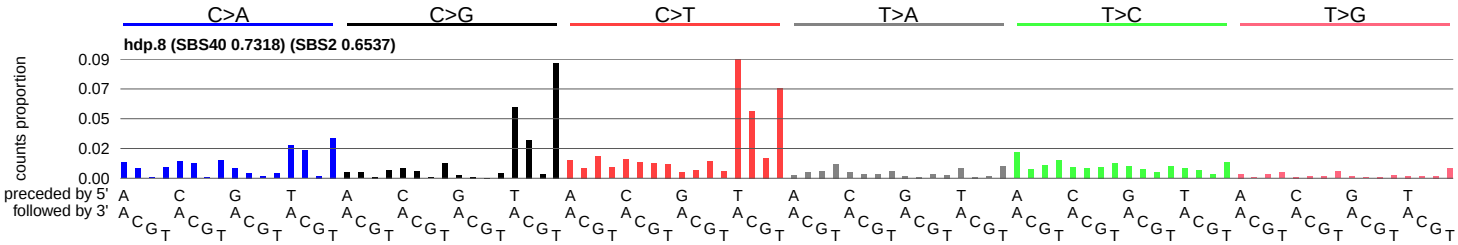
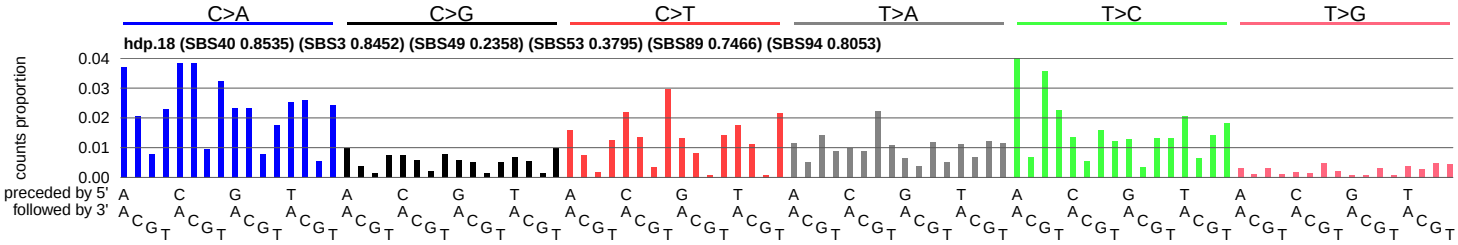
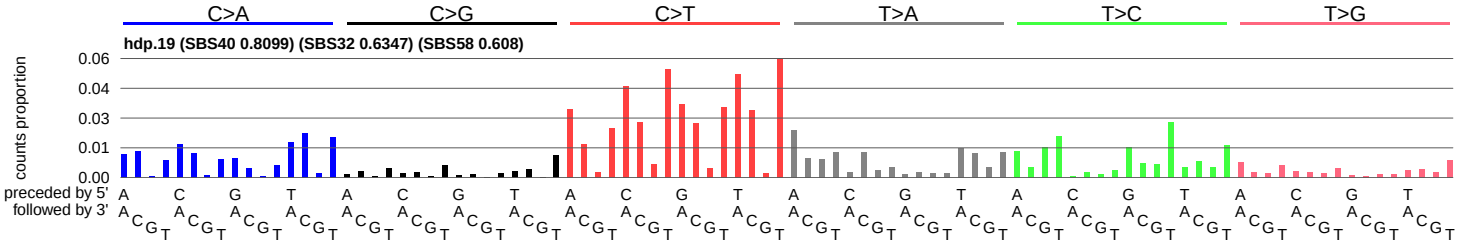
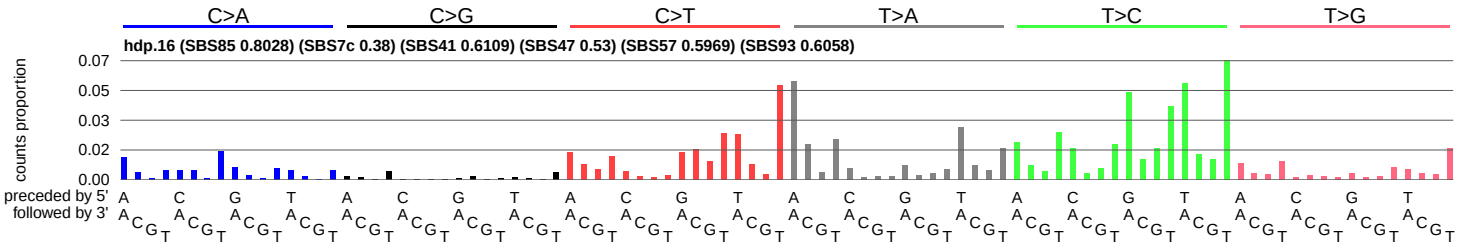
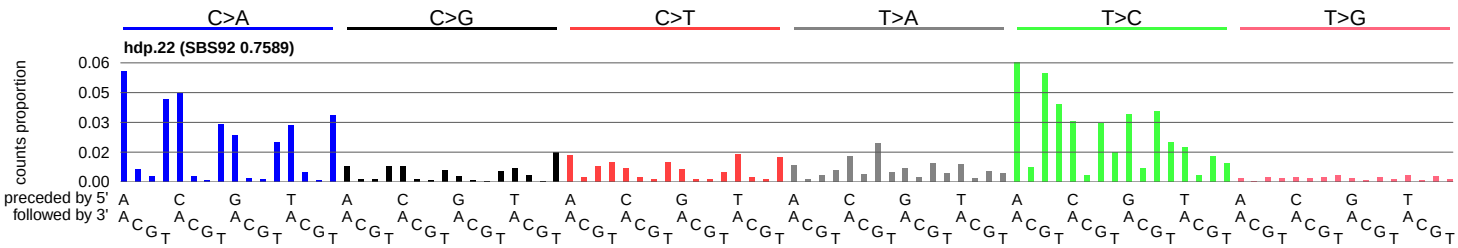
T>C
T>G
hdp.20 (SBS39 0.8947) (SBS13 0.6358) (SBS43 0.2009) (SBS55 0.1964) (SBS60 0.0967) (SBS86 0.7409)
counts proportion
0.07
0.06
0.04
0.02
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.8 (SBS40 0.7318) (SBS2 0.6537)
counts proportion
0.09
0.07
0.05
0.02
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.18 (SBS40 0.8535) (SBS3 0.8452) (SBS49 0.2358) (SBS53 0.3795) (SBS89 0.7466) (SBS94 0.8053)
counts proportion
0.04
0.03
0.02
0.01
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.19 (SBS40 0.8099) (SBS32 0.6347) (SBS58 0.608)
counts proportion
0.06
0.04
0.03
0.01
0.00
preceded by 5'
followed by 3'


C>A
C>G
C>T
T>A
T>C
T>G
hdp.16 (SBS85 0.8028) (SBS7c 0.38) (SBS41 0.6109) (SBS47 0.53) (SBS57 0.5969) (SBS93 0.6058)
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
hdp.22 (SBS92 0.7589)
counts proportion
0.06
0.05
0.03
0.02
0.00
preceded by 5'
followed by 3'