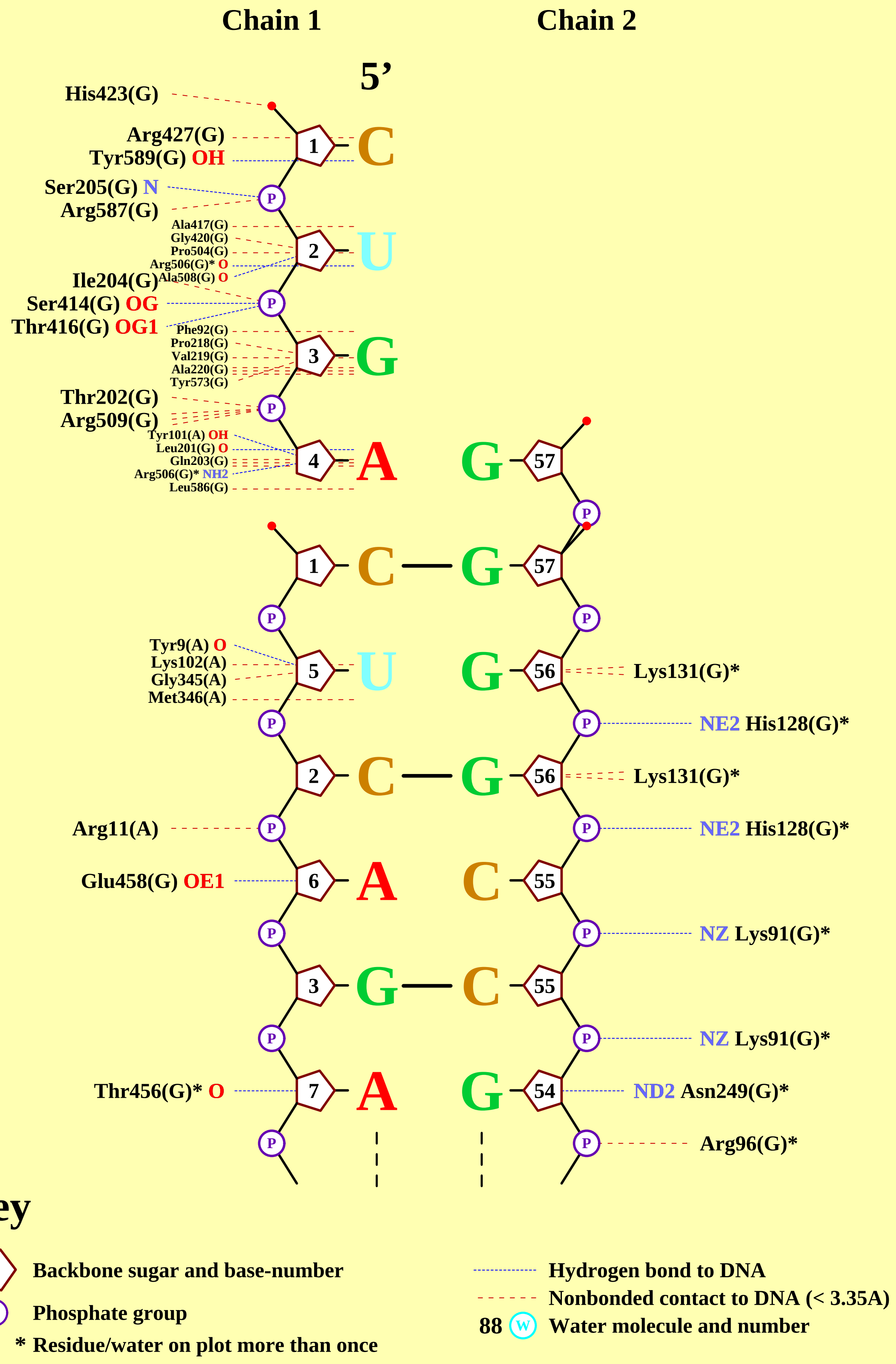
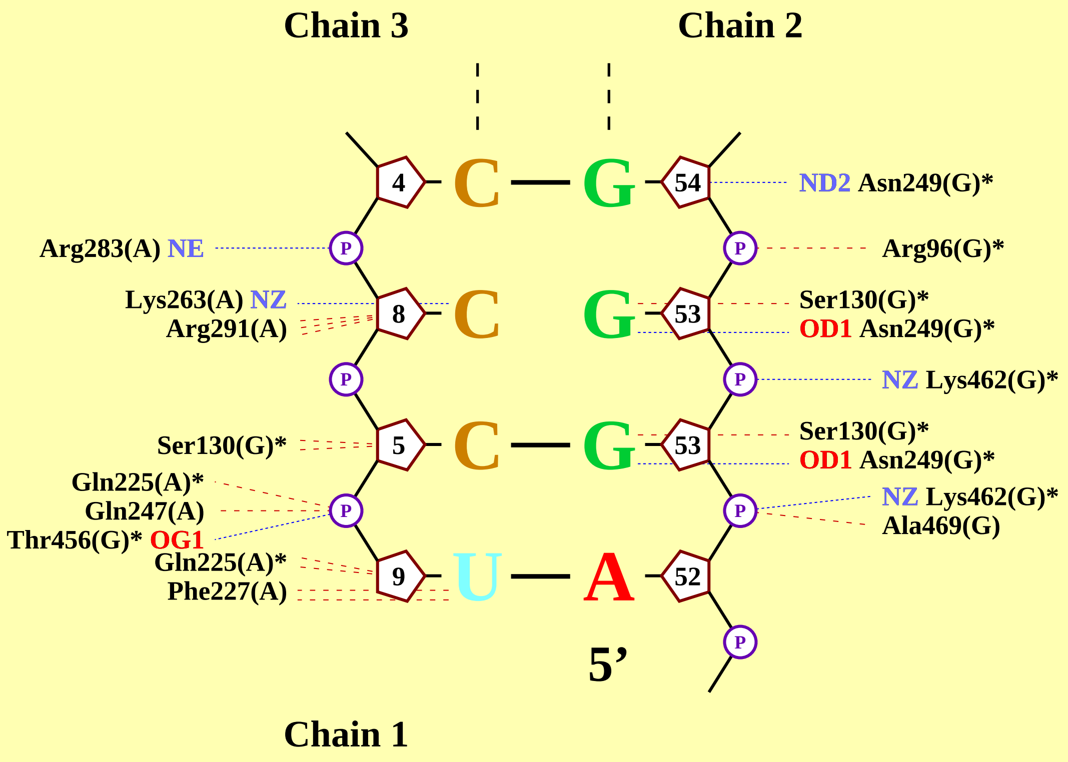


Chain 1
Chain 2
5'
His423(G)
Arg427(G)
Tyr589(G) OH
Ser205(G) N
Arg587(G)
Ala417(G)
Gly420(G)
Pro504(G)
Arg506(G)* O
Ala508(G) O
Ile204(G)
Ser414(G) OG
Thr416(G) OG1
Phe92(G)
Pro218(G)
Val219(G)
Ala220(G)
Tyr573(G)
Thr202(G)
Arg509(G)
Tyr101(A) OH
Leu201(G) O
Gln203(G)
Arg506(G)* NH2
Leu586(G)
Tyr9(A) O
Lys102(A)
Gly345(A)
Met346(A)
Arg11(A)
Glu458(G) OE1
Thr456(G)* O
Lys131(G)*
NE2 His128(G)*
Lys131(G)*
NE2 His128(G)*
NZ Lys91(G)*
NZ Lys91(G)*
ND2 Asn249(G)*
Arg96(G)*
C
U
G
A
G
C
G
U
G
C
G
A
C
G
C
A
G
Key
Backbone sugar and base-number
Phosphate group
* Residue/water on plot more than once
Hydrogen bond to DNA
Nonbonded contact to DNA (< 3.35A)
88 W Water molecule and number

file



Key

 Backbone sugar and base-number

 Phosphate group

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Hydrogen bond to DNA

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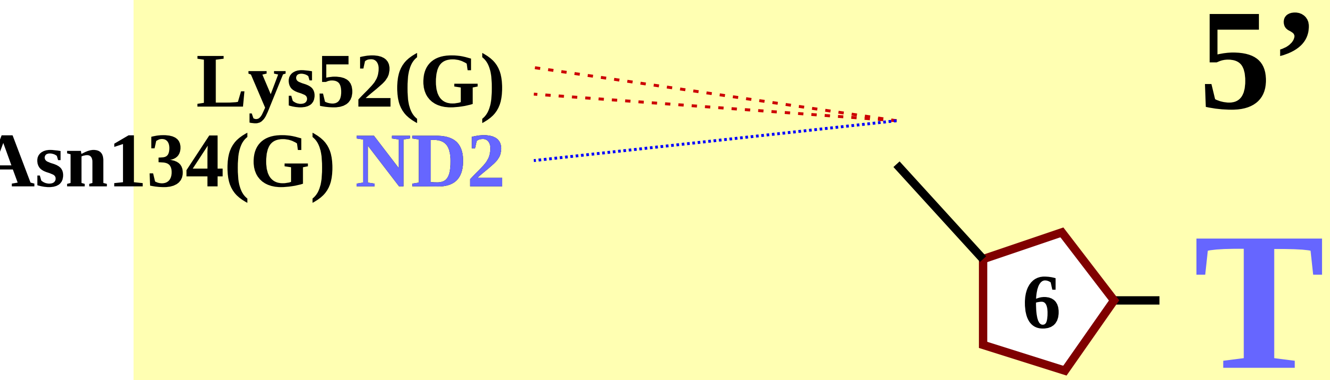
file

Chain 3



Key

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P Phosphate group

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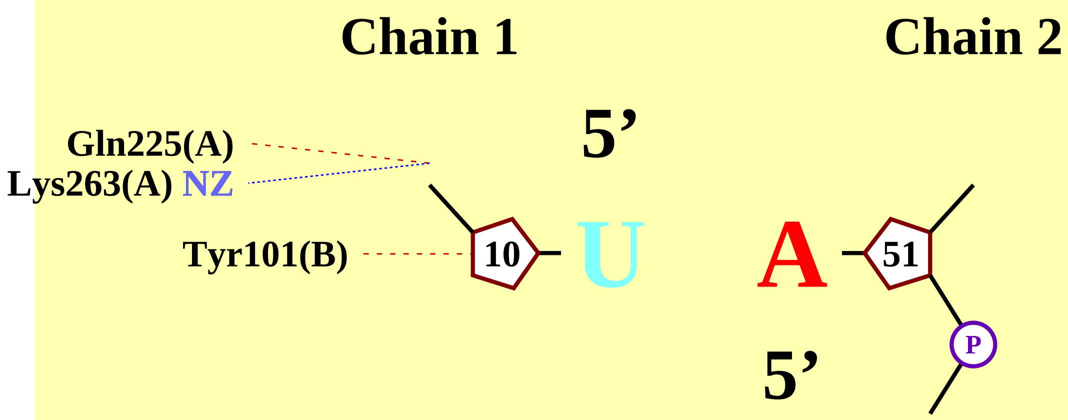
Hydrogen bond to DNA

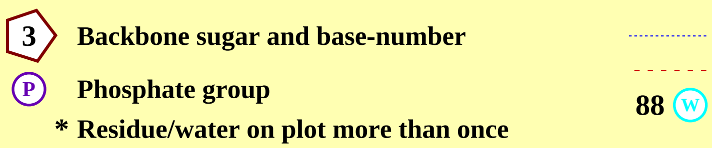
Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file



Key



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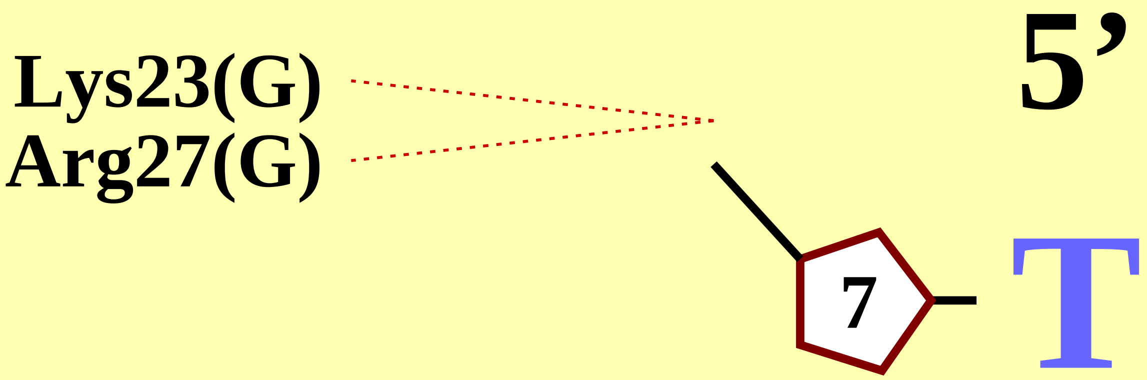

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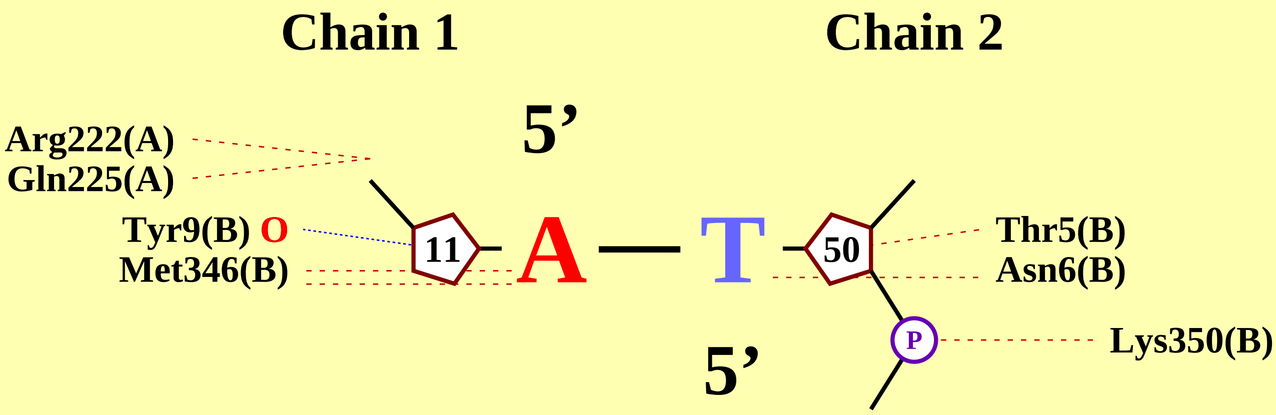

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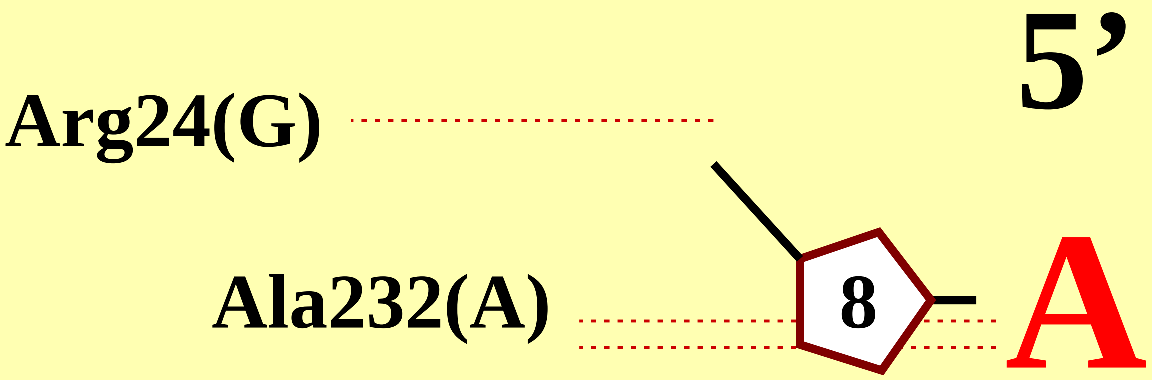

Key

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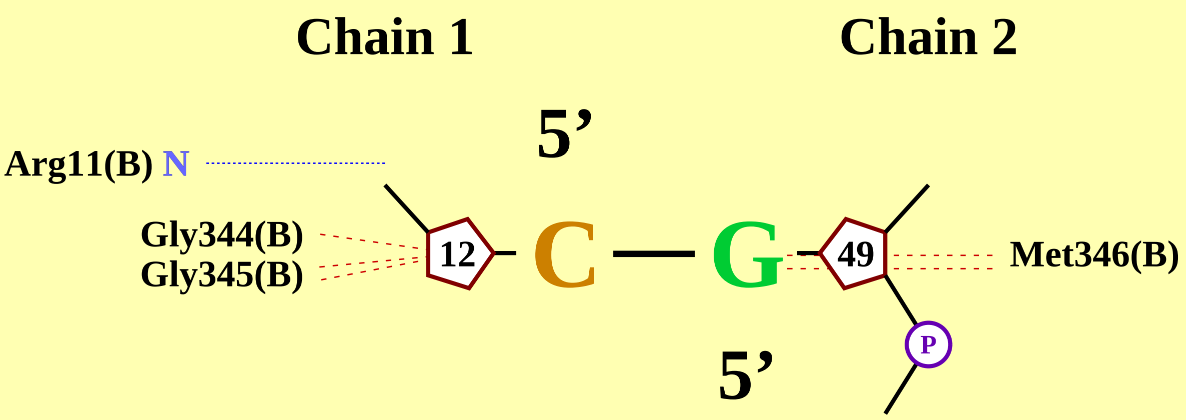
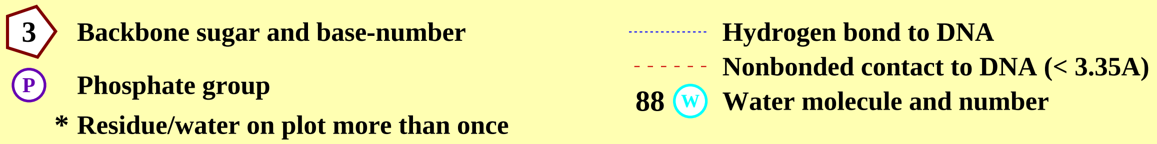


Chain 1
Chain 2
5’
Arg11(B) N
Gly344(B)
Gly345(B)
12
C
G
49
Met346(B)
P
5’

Key



3
Backbone sugar and base-number
P
Phosphate group
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Hydrogen bond to DNA
Nonbonded contact to DNA (< 3.35A)
88
W
Water molecule and number

file

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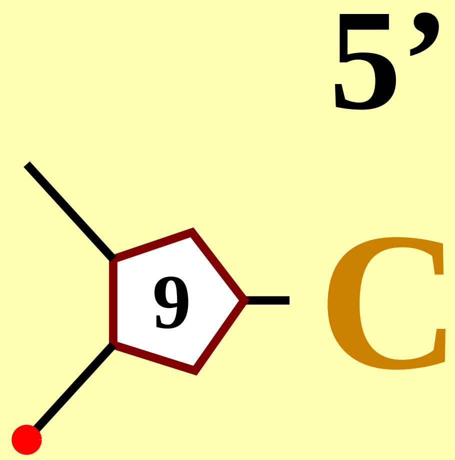
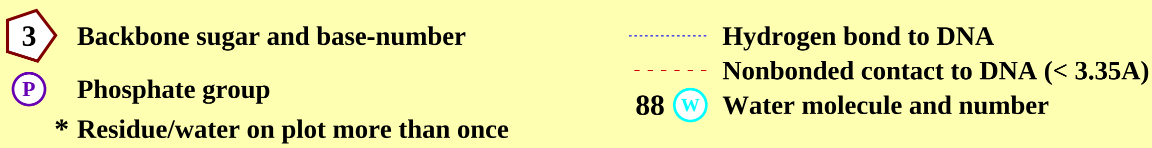
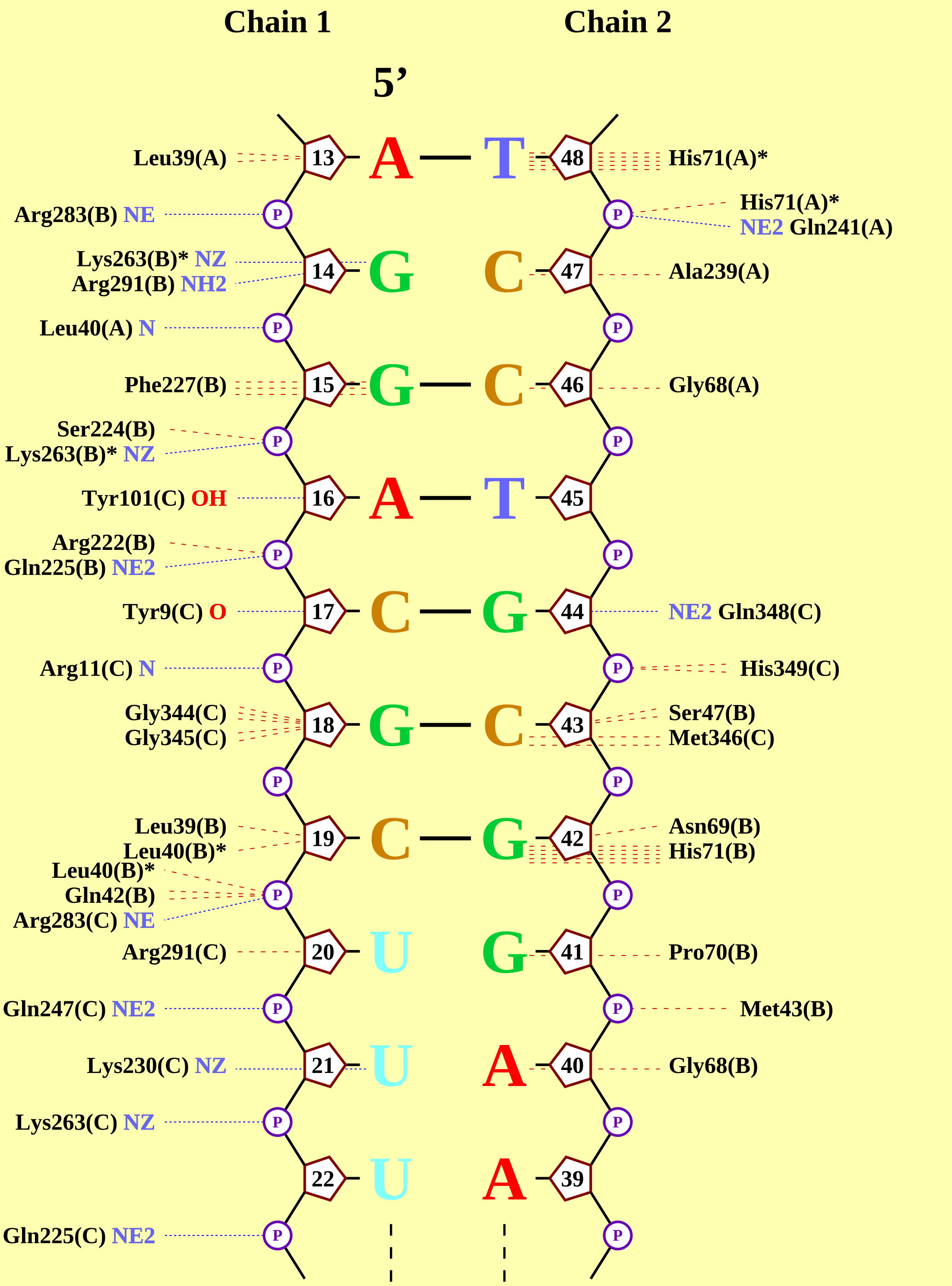


Key



file



Key

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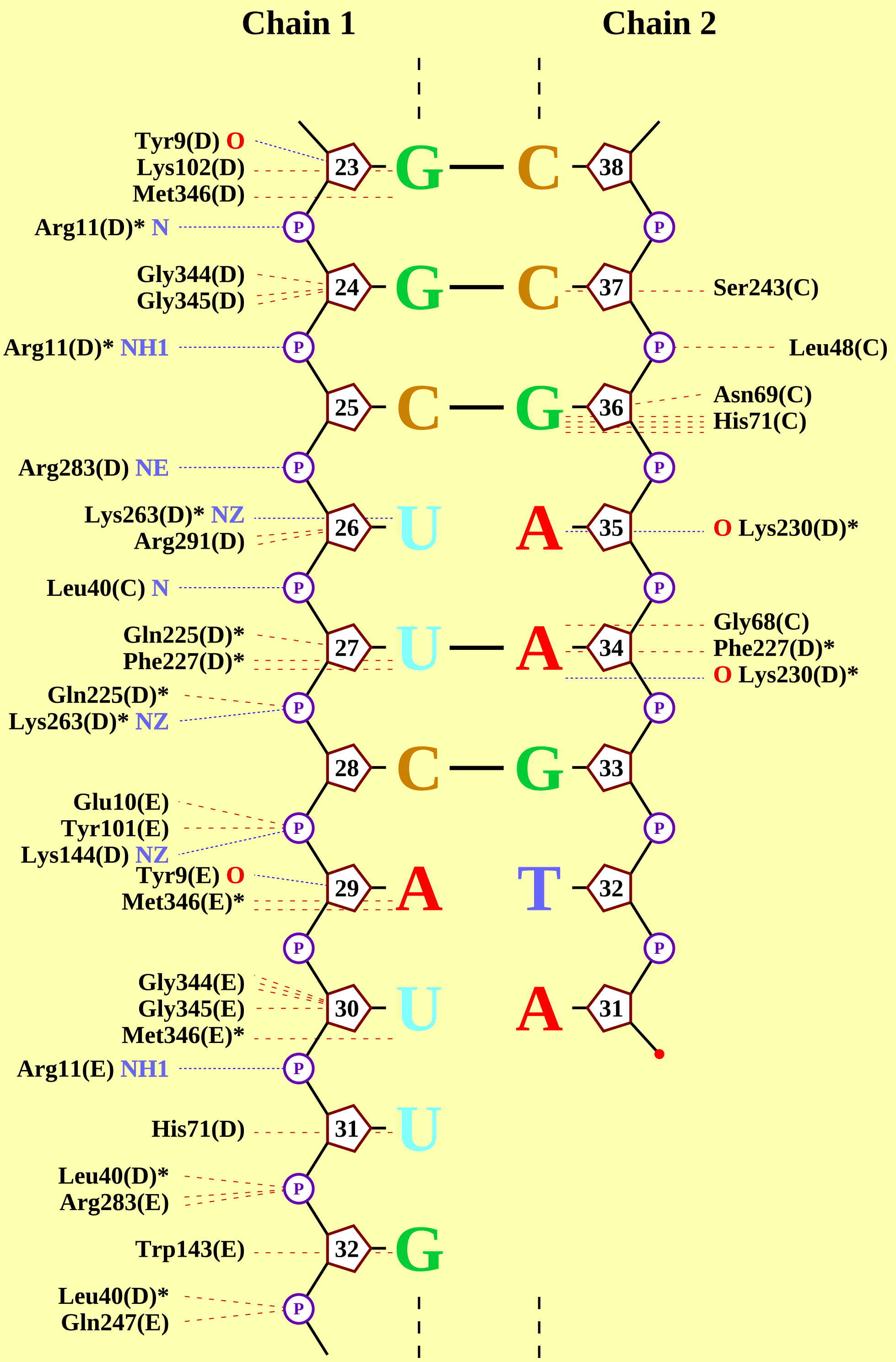

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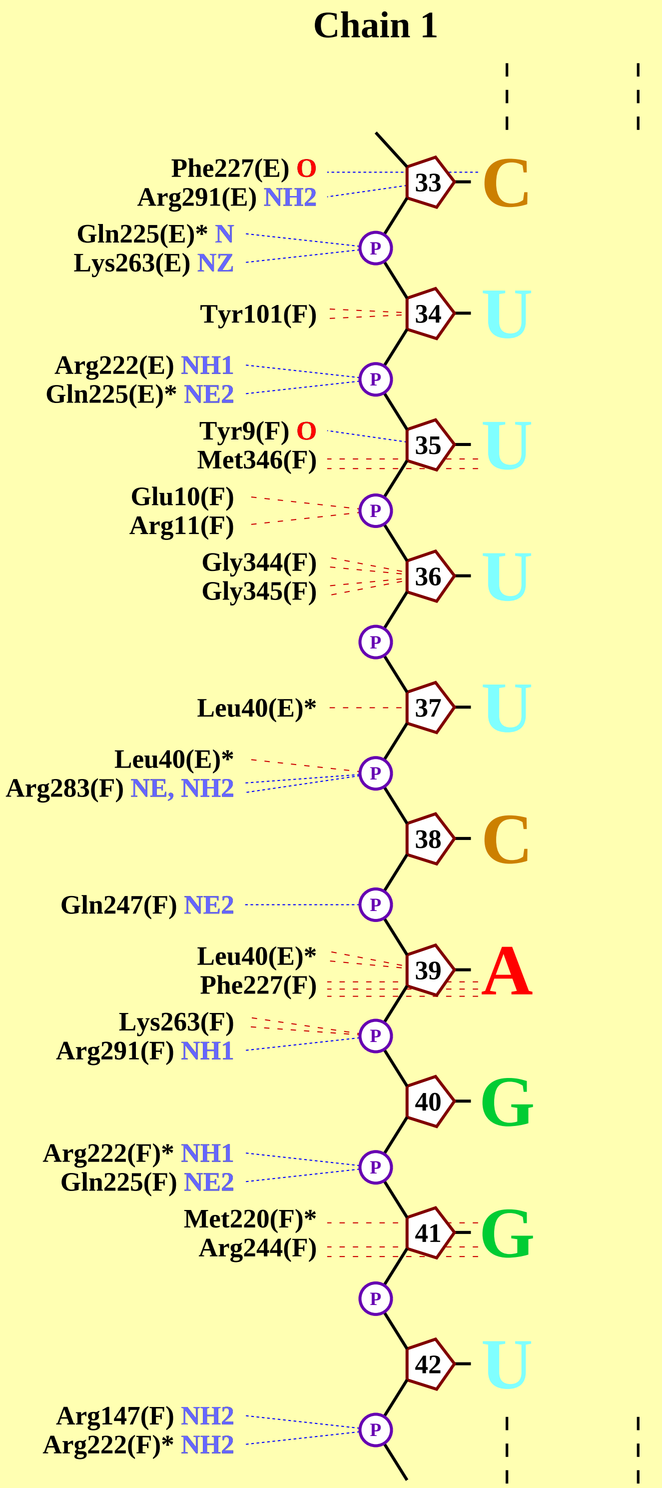

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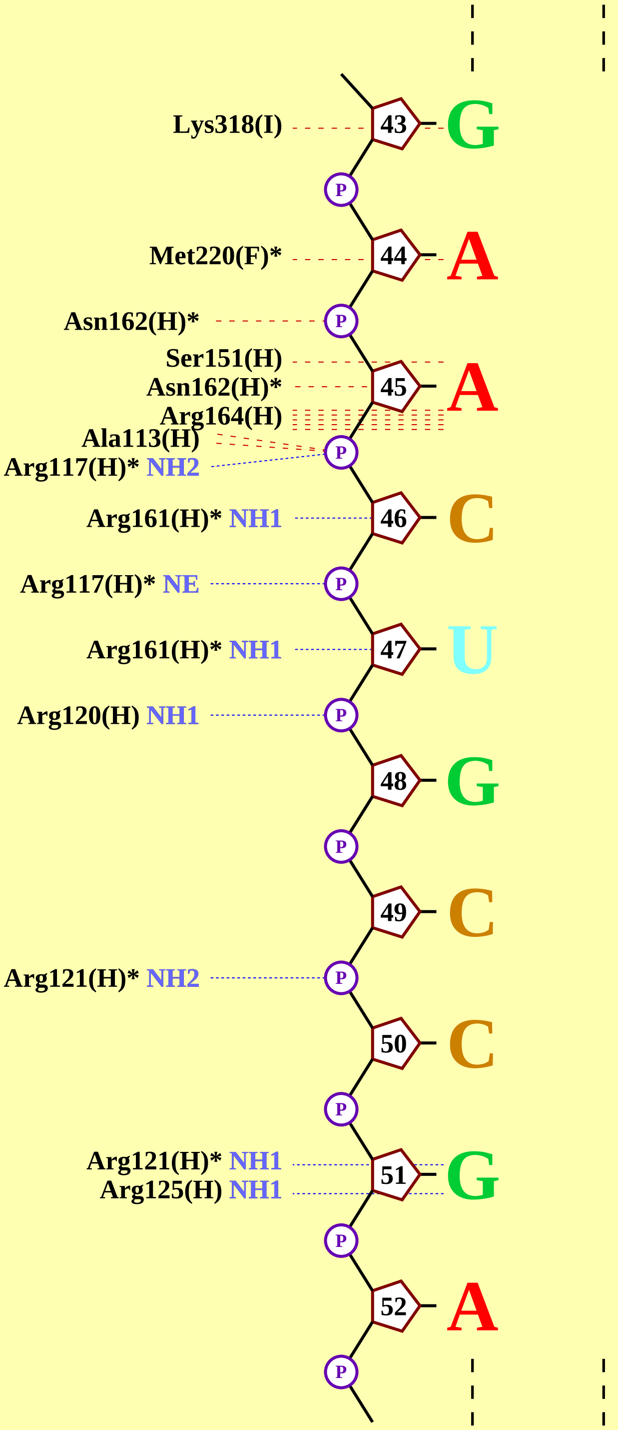
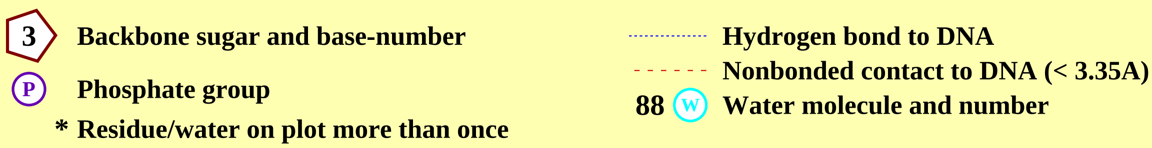

Chain 1
Lys318(I)
43
G
Met220(F)*
44
A
Asn162(H)*
Ser151(H)
Asn162(H)*
45
A
Arg164(H)
Ala113(H)
Arg117(H)* NH2
Arg161(H)* NH1
46
C
Arg117(H)* NE
Arg161(H)* NH1
47
U
Arg120(H) NH1
48
G
49
C
Arg121(H)* NH2
50
C
Arg121(H)* NH1
Arg125(H) NH1
51
G
52
A
P

Key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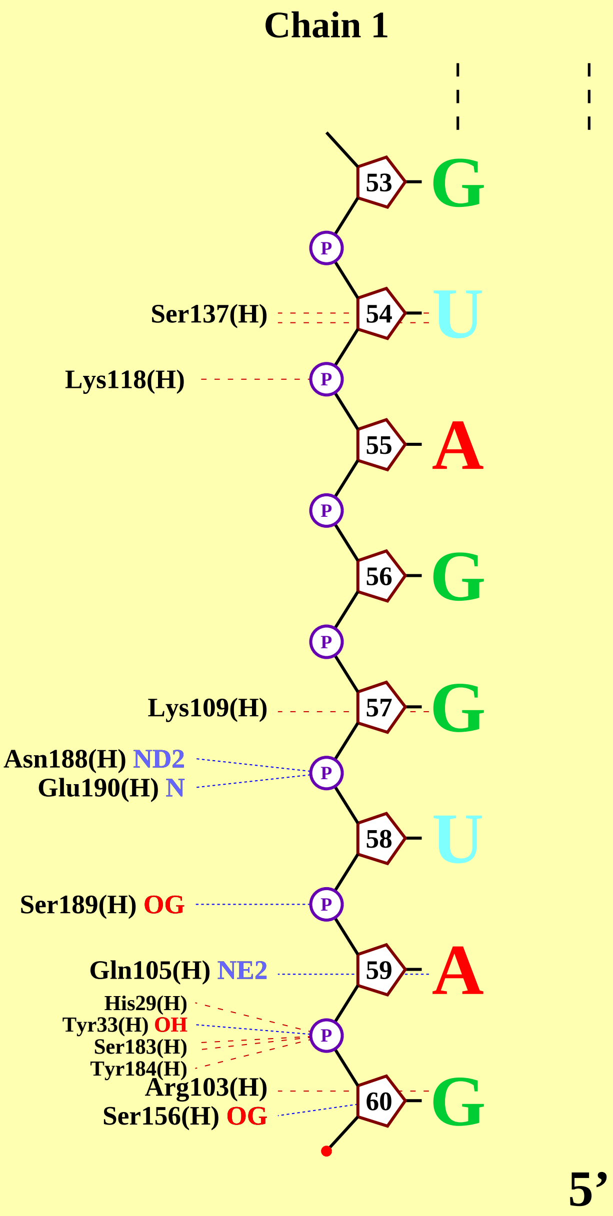
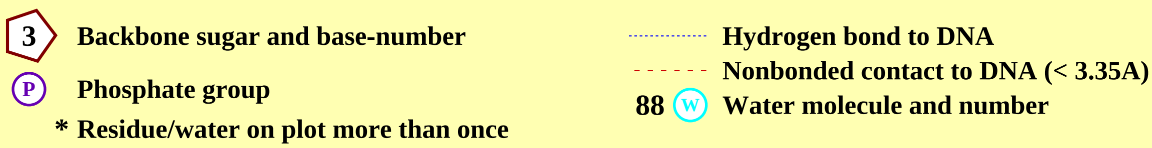

Chain 1
53
G
54
U
Ser137(H)
Lys118(H)
55
A
56
G
57
G
Lys109(H)
Asn188(H) ND2
Glu190(H) N
58
U
Ser189(H) OG
59
A
Gln105(H) NE2
His29(H)
Tyr33(H) OH
Ser183(H)
Tyr184(H)
Arg103(H)
Ser156(H) OG
60
G
5’

Key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