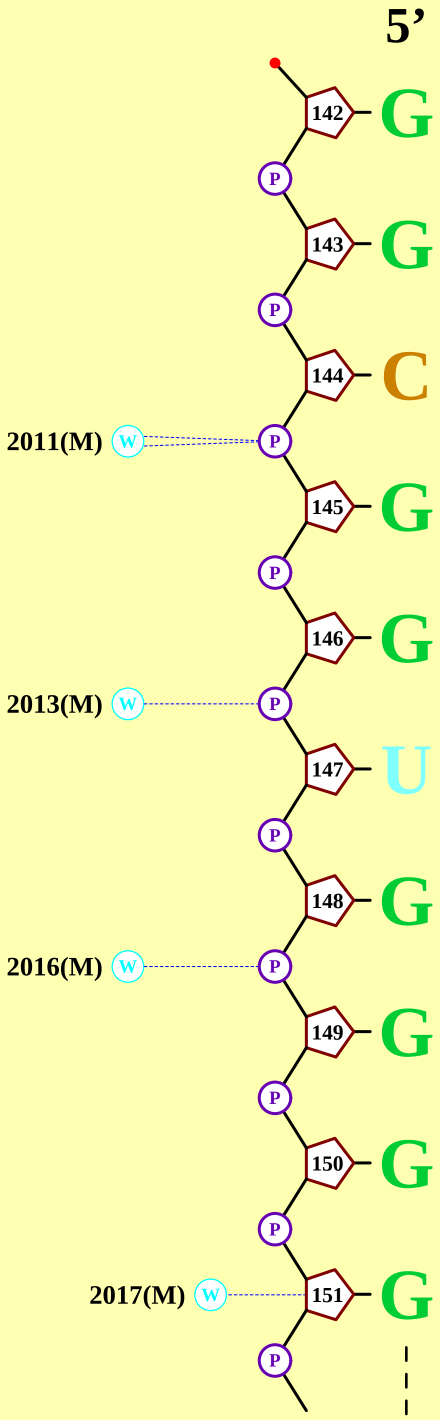
Chain M



Key

3 Backbone sugar and base-number

P Phosphate group

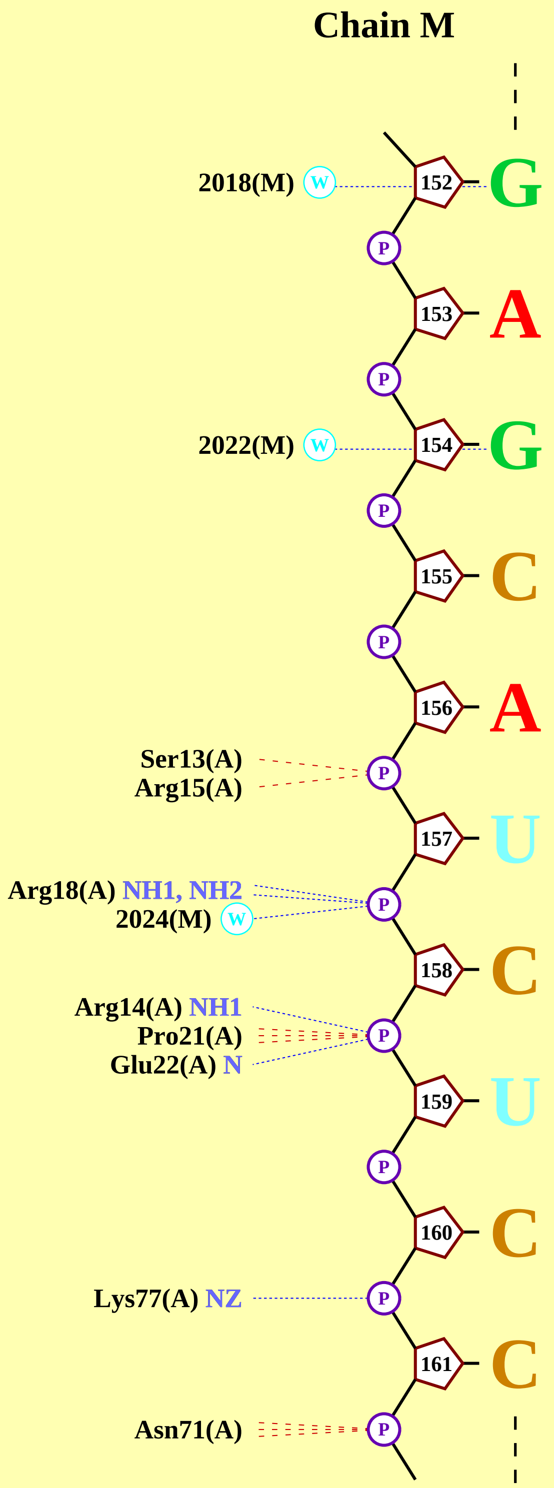
* Residue/water on plot more than once

Hydrogen bond to DNA

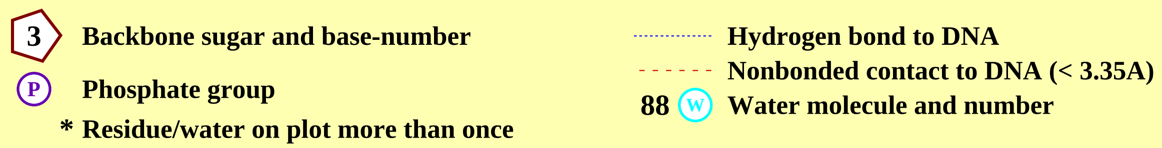
Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file


Chain M
2018(M) W
152 G
153 A
2022(M) W
154 G
155 C
156 A
Ser13(A)
Arg15(A)
157 U
Arg18(A) NH1, NH2
2024(M) W
158 C
Arg14(A) NH1
Pro21(A)
Glu22(A) N
159 U
160 C
Lys77(A) NZ
161 C
Asn71(A)
P

Key


3 Backbone sugar and base-number
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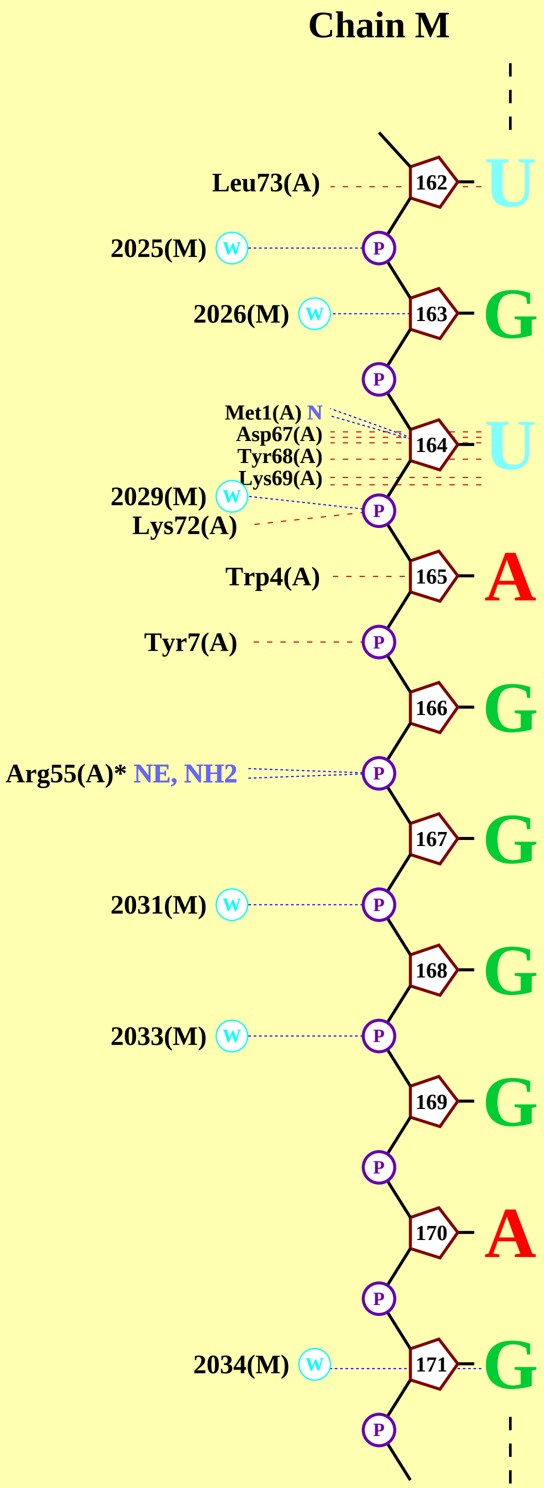
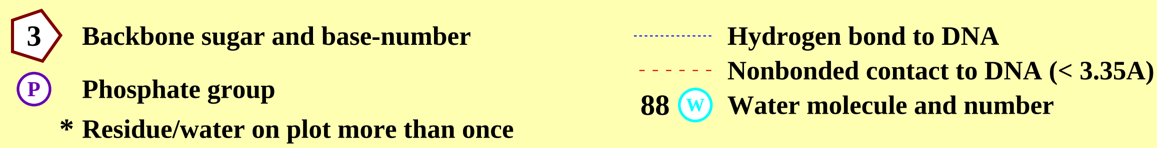

Chain M
Leu73(A)
162
U
2025(M)
W
P
2026(M)
W
163
G
P
Met1(A) N
Asp67(A)
Tyr68(A)
Lys69(A)
164
U
2029(M)
W
Lys72(A)
P
Trp4(A)
165
A
Tyr7(A)
P
166
G
Arg55(A)* NE, NH2
P
167
G
2031(M)
W
P
168
G
2033(M)
W
P
169
G
P
170
A
P
2034(M)
W
171
G
P

Key


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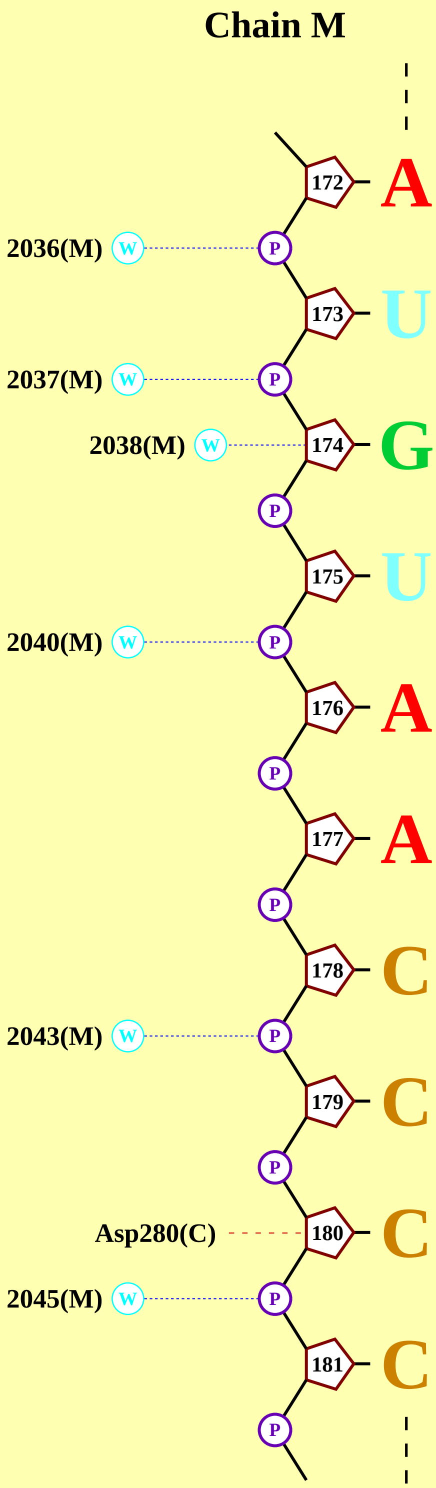
Nonbonded contact to DNA (< 3.35A)
88
W
Water molecule and number

file



Key

Backbone sugar and base-number

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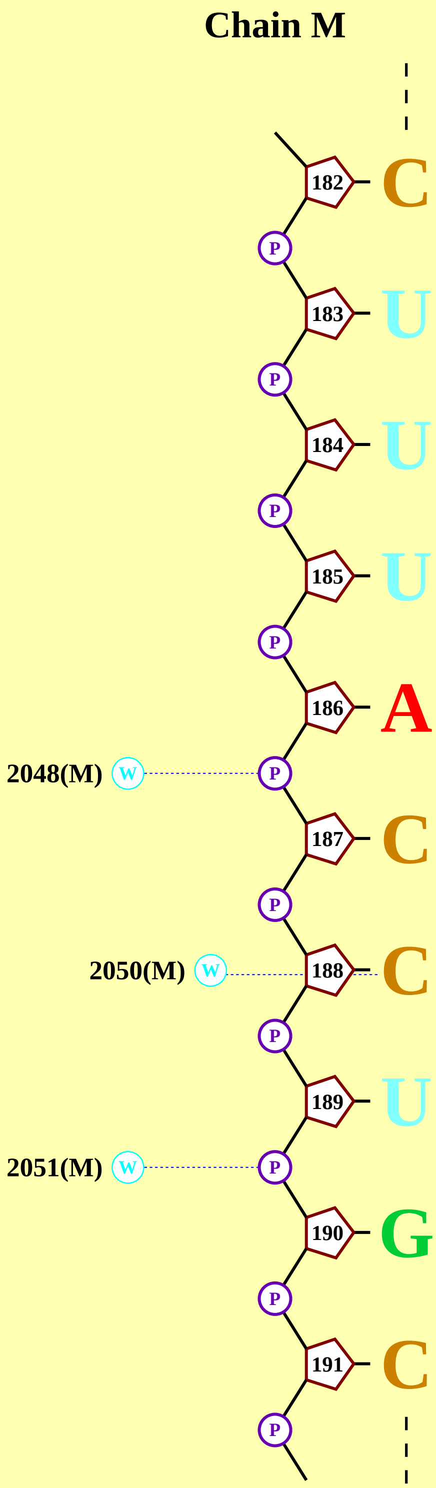
file



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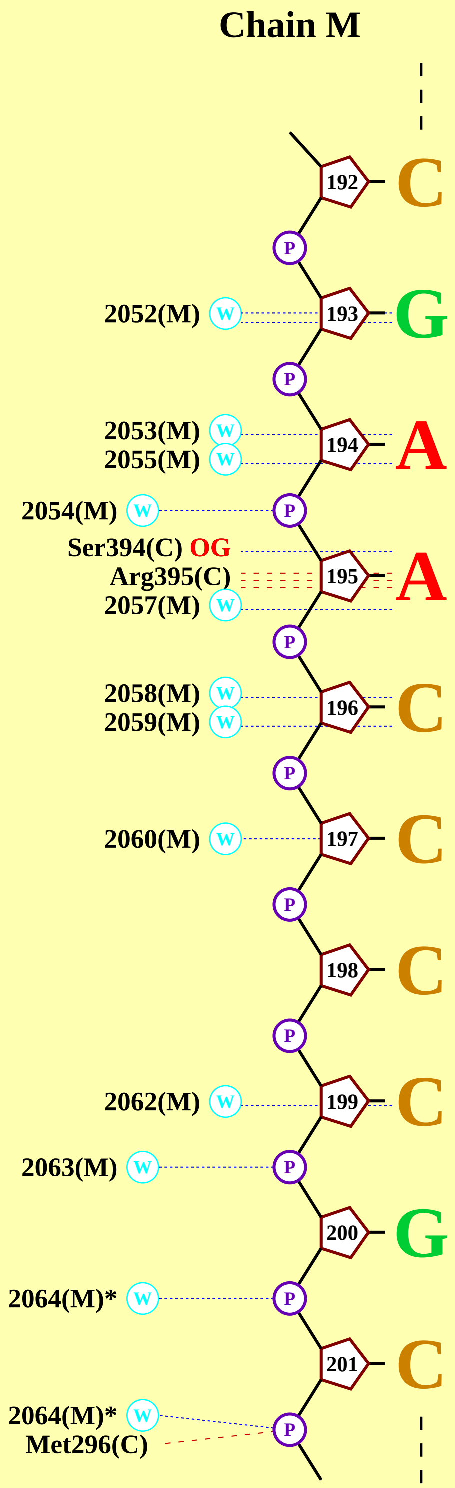

Key

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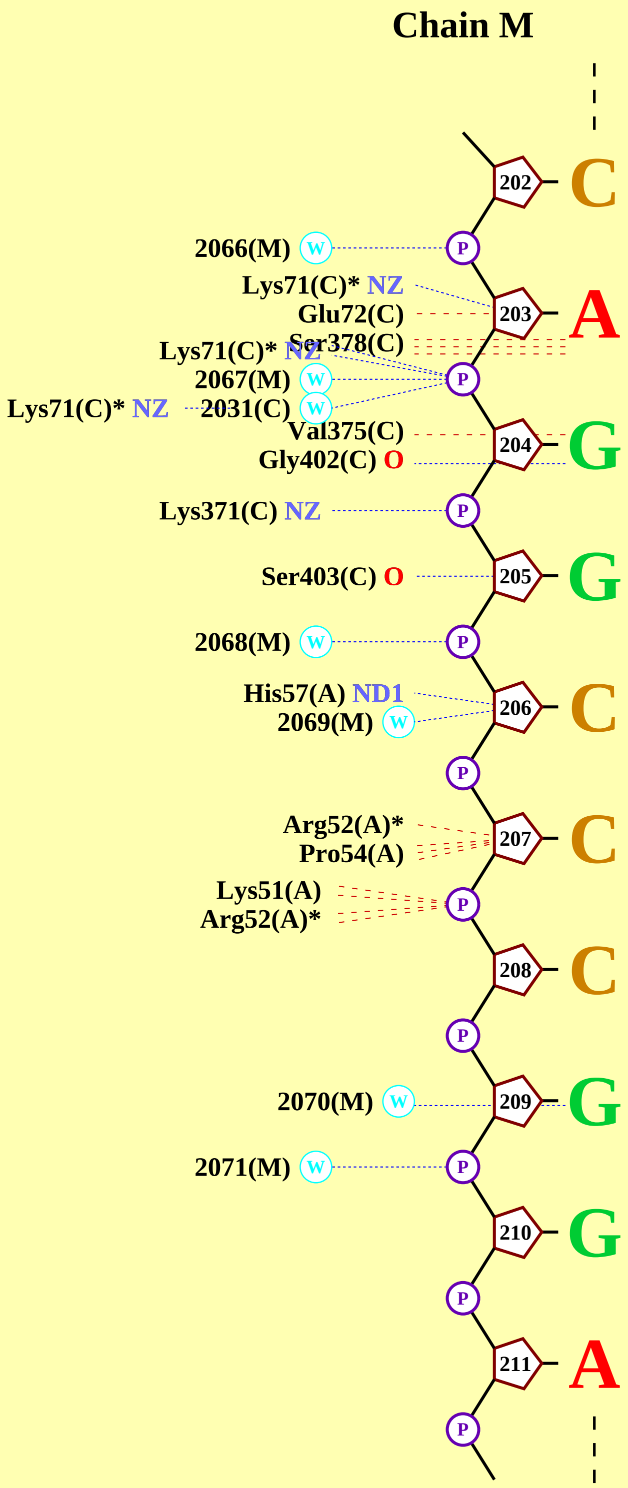
file


Chain M
2066(M) W
P
202 C
Lys71(C)* NZ
Glu72(C)
203 A
Ser378(C)
Lys71(C)* NZ
2067(M) W
Lys71(C)* NZ
2031(C) W
Val375(C)
204 G
Gly402(C) O
Lys371(C) NZ
Ser403(C) O
205 G
2068(M) W
His57(A) ND1
2069(M) W
206 C
Arg52(A)*
Pro54(A)
207 C
Lys51(A)
Arg52(A)*
208 C
2070(M) W
209 G
2071(M) W
210 G
211 A

Key

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P Phosphate group
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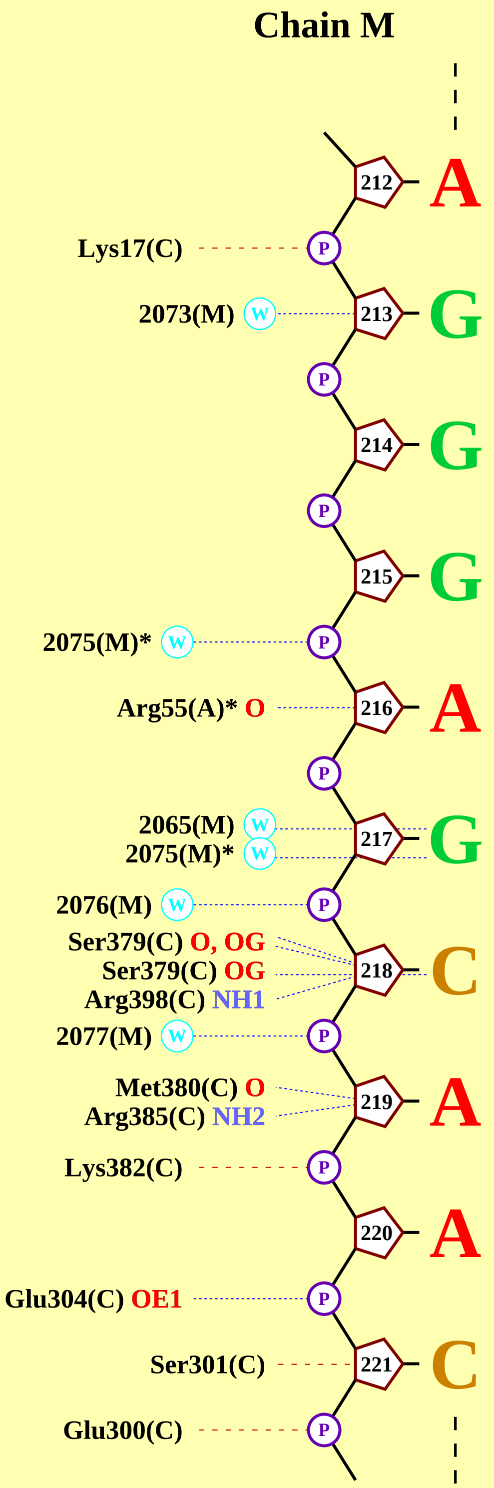
88 W Water molecule and number

file



Key

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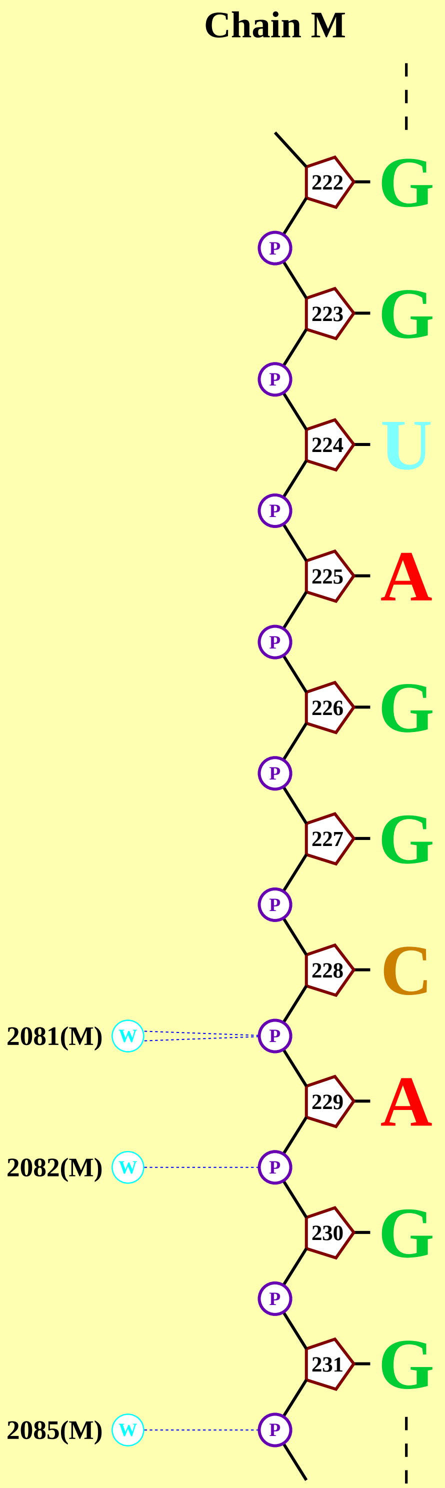
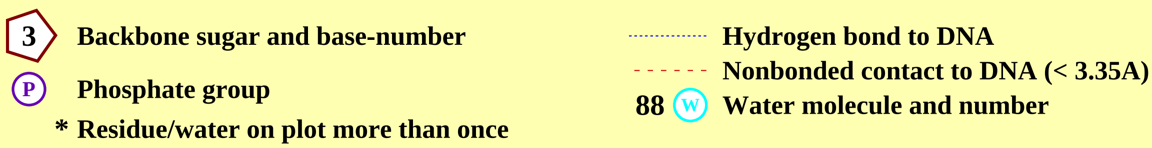
88 W Water molecule and number

file


Chain M
222 G
223 G
224 U
225 A
226 G
227 G
228 C
2081(M) W P
229 A
2082(M) W P
230 G
231 G
2085(M) W P

Key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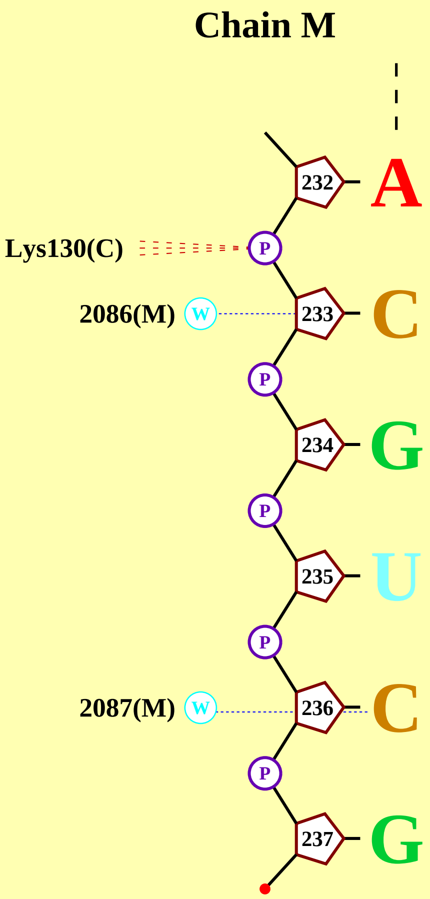
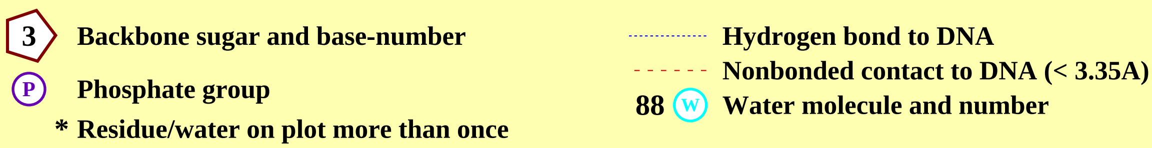

Chain M
232
A
Lys130(C)
P
2086(M)
W
233
C
P
234
G
P
235
U
P
2087(M)
W
236
C
P
237
G

Key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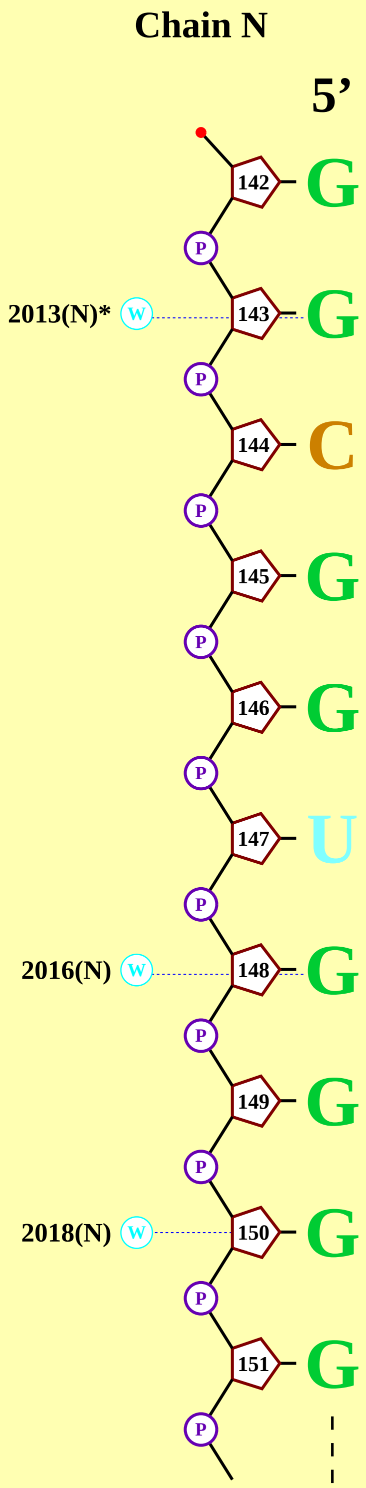
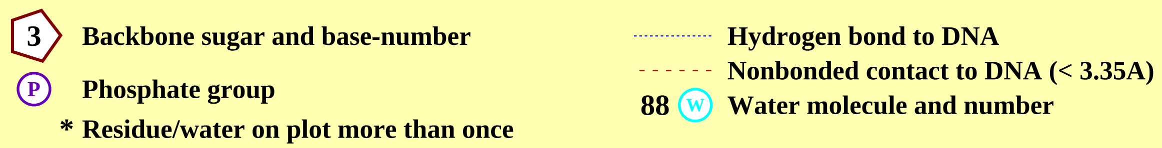

Chain N
5’
142
G
2013(N)*
W
143
G
144
C
145
G
146
G
147
U
2016(N)
W
148
G
149
G
2018(N)
W
150
G
151
G
P

Key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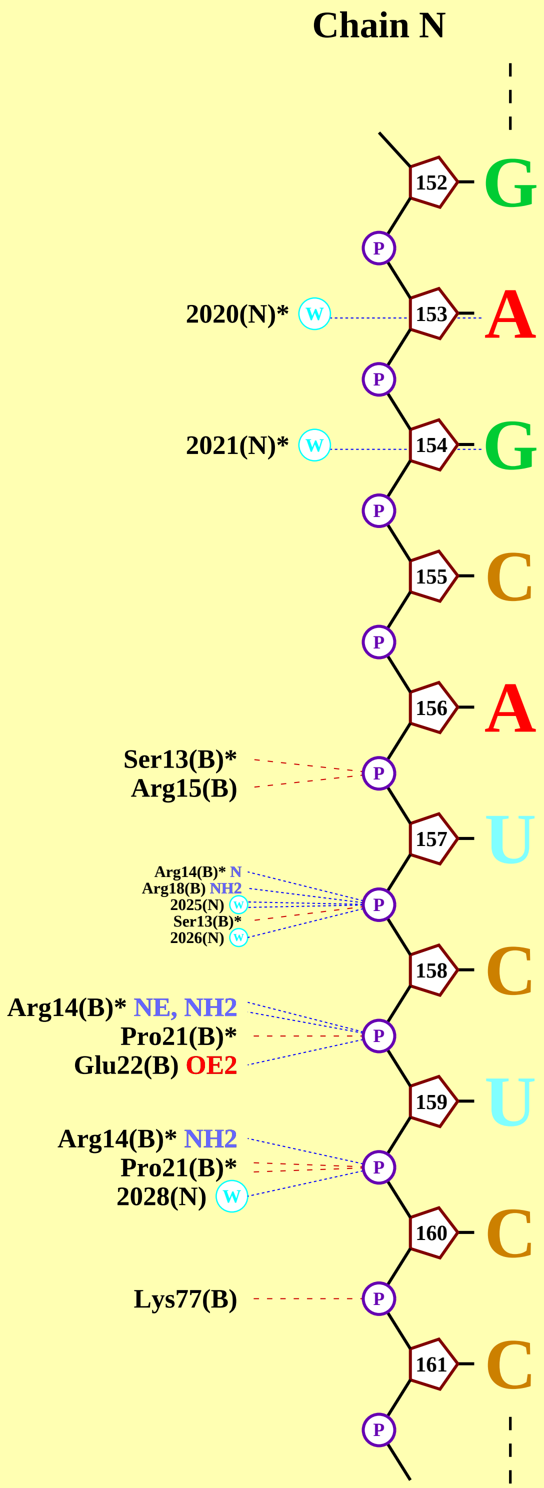

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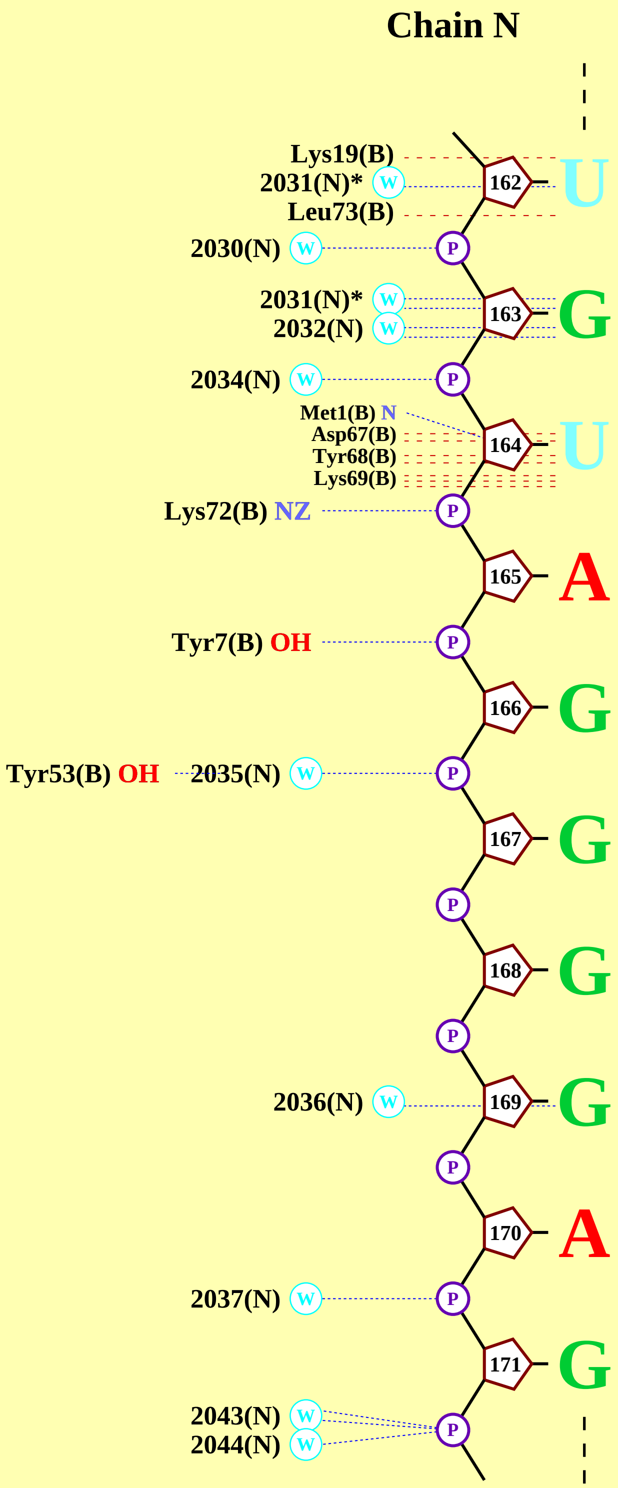
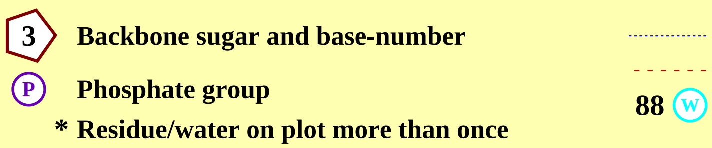


Key



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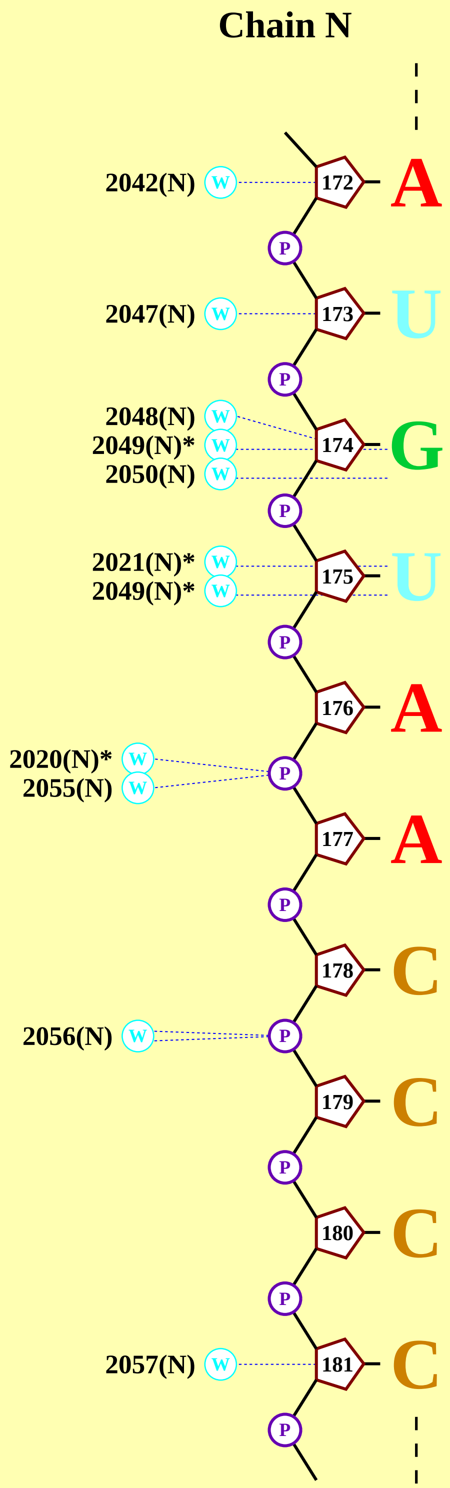
Water molecule and number

file



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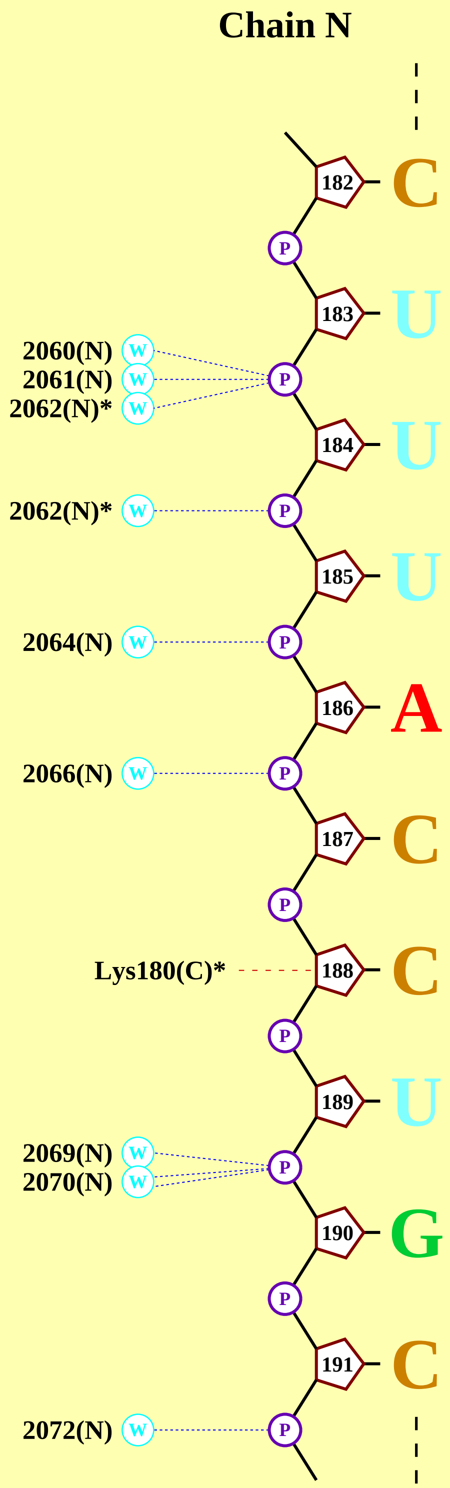

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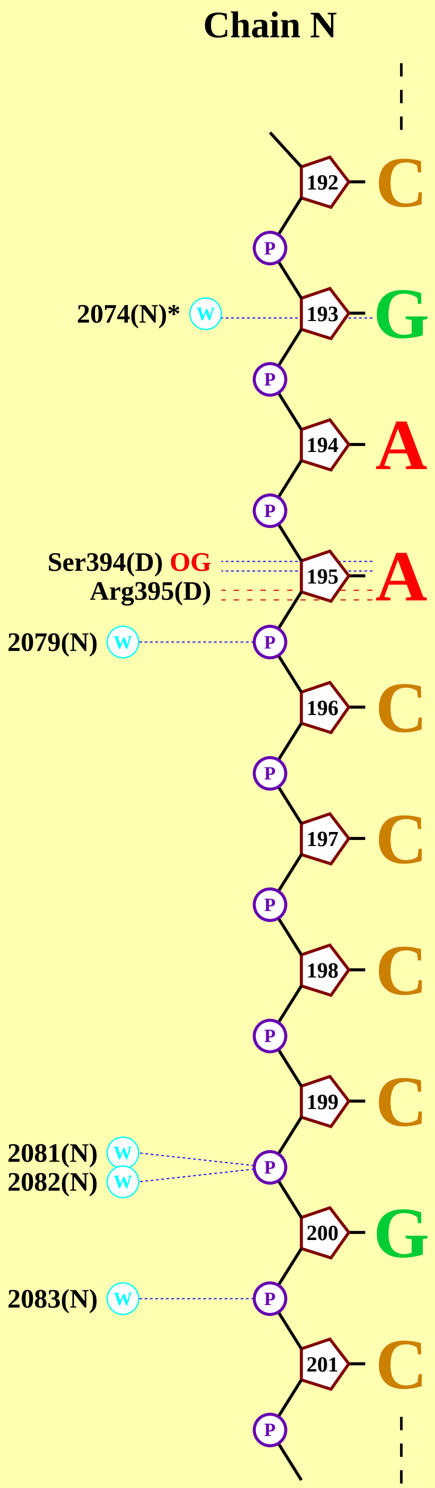

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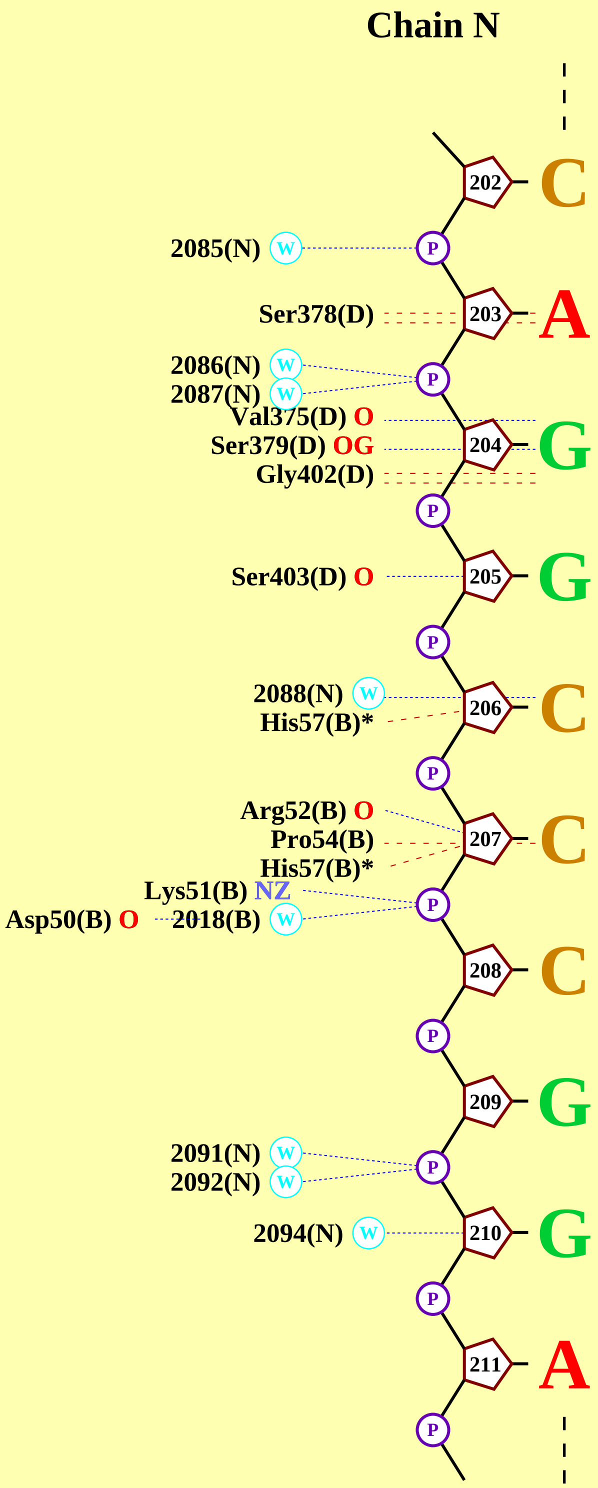

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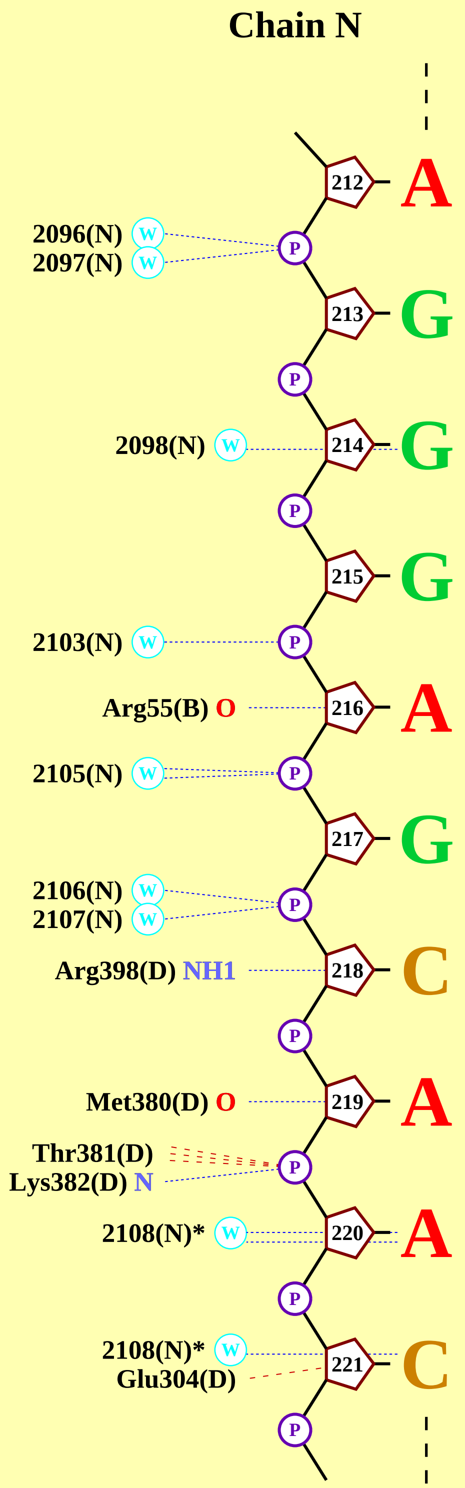

Chain N
212
A
2096(N)
2097(N)
W
P
213
G
214
2098(N)
215
2103(N)
216
Arg55(B) O
2105(N)
217
2106(N)
2107(N)
218
C
Arg398(D) NH1
219
Met380(D) O
Thr381(D)
Lys382(D) N
220
2108(N)*
221
Glu304(D)

Key

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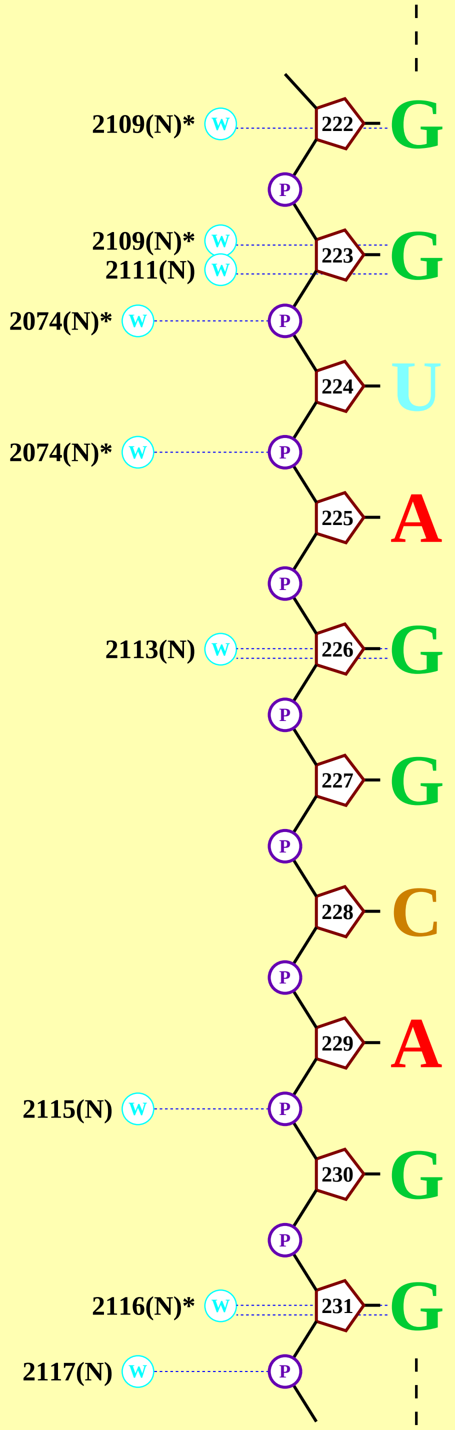

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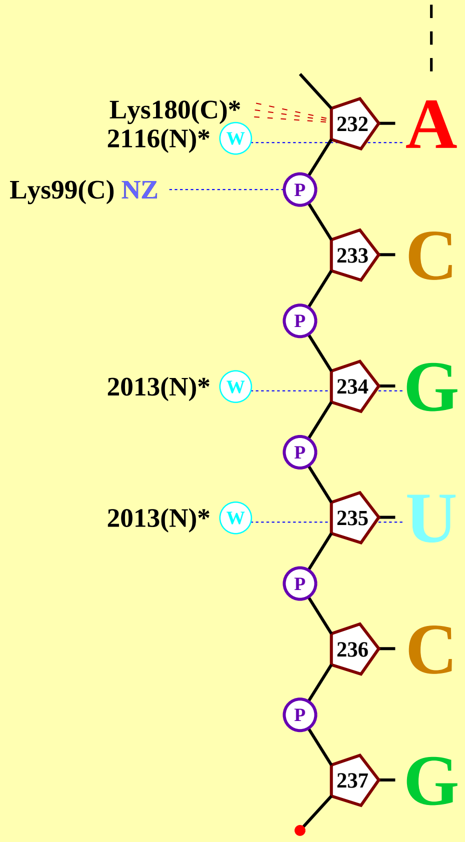

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