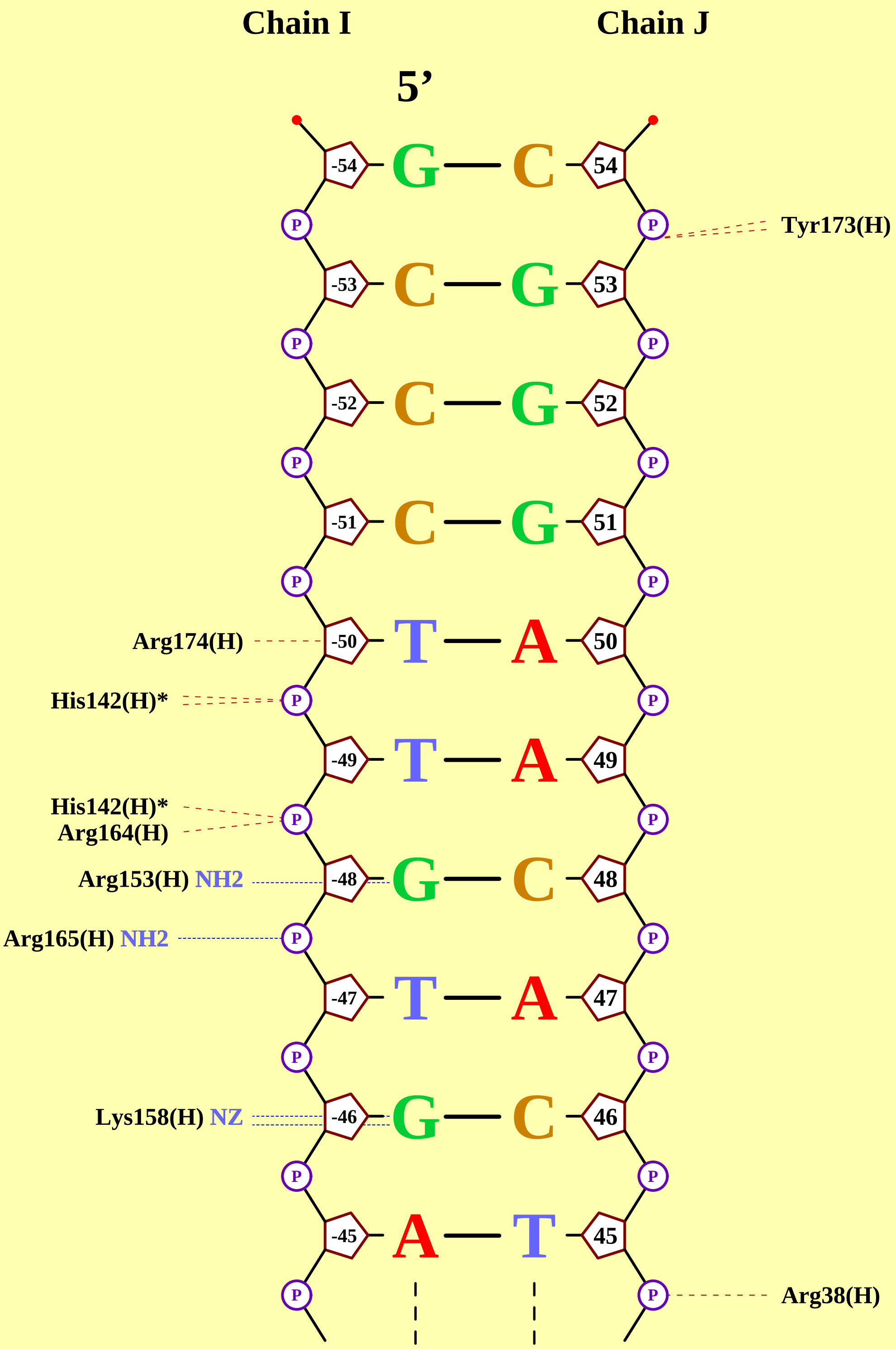
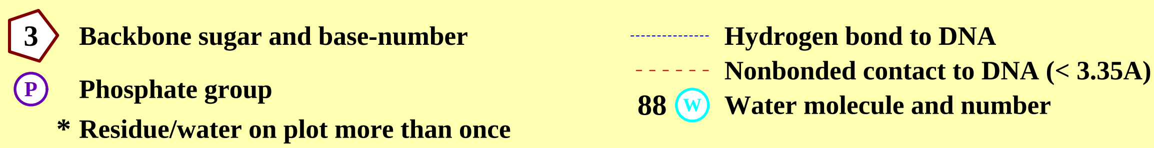
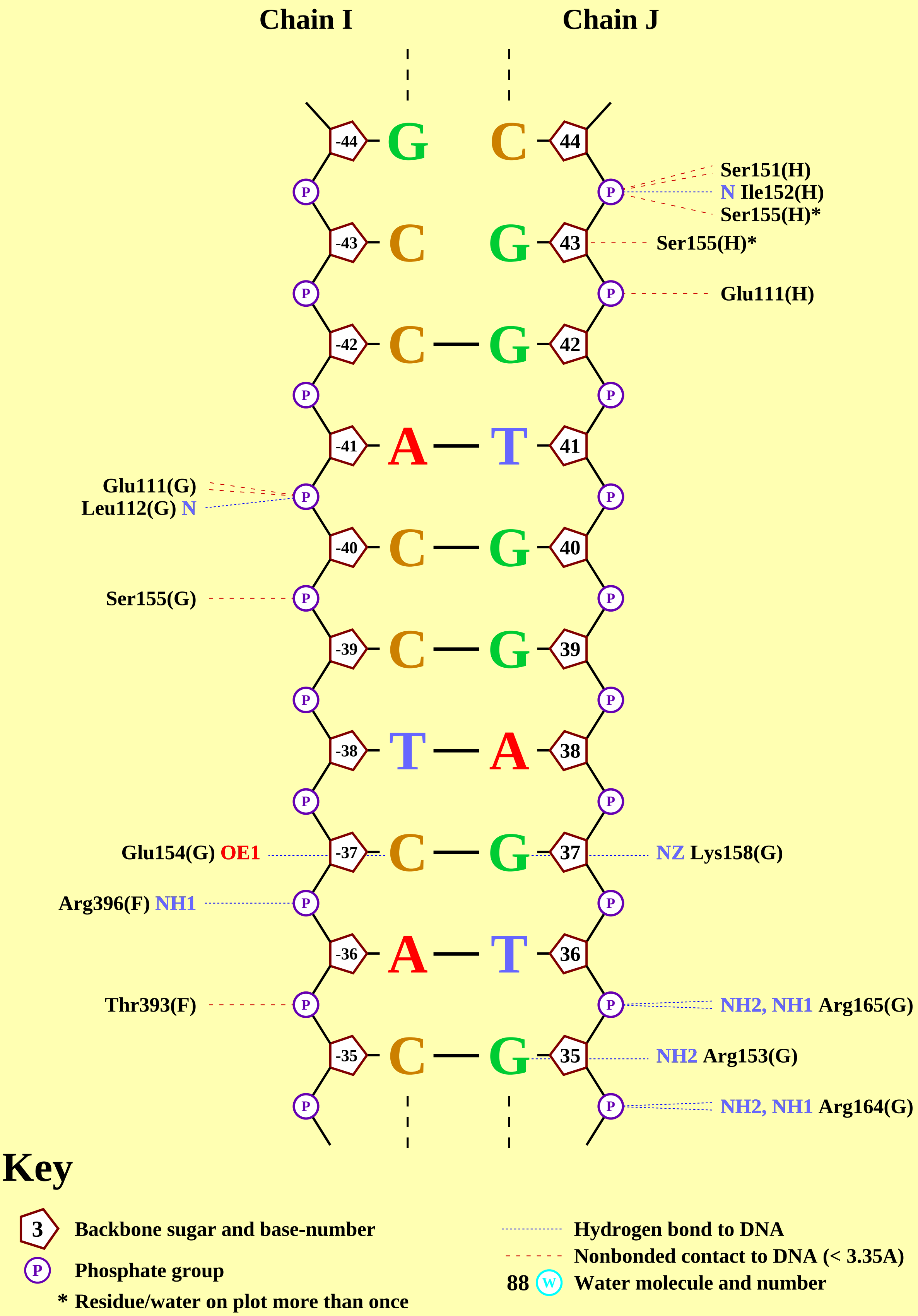

Chain I
Chain J
5’
-54
G
C
54
Tyr173(H)
-53
C
G
53
-52
C
G
52
-51
C
G
51
Arg174(H)
-50
T
A
50
His142(H)*
-49
T
A
49
His142(H)*
Arg164(H)
Arg153(H) NH2
-48
G
C
48
Arg165(H) NH2
-47
T
A
47
Lys158(H) NZ
-46
G
C
46
-45
A
T
45
Arg38(H)
P

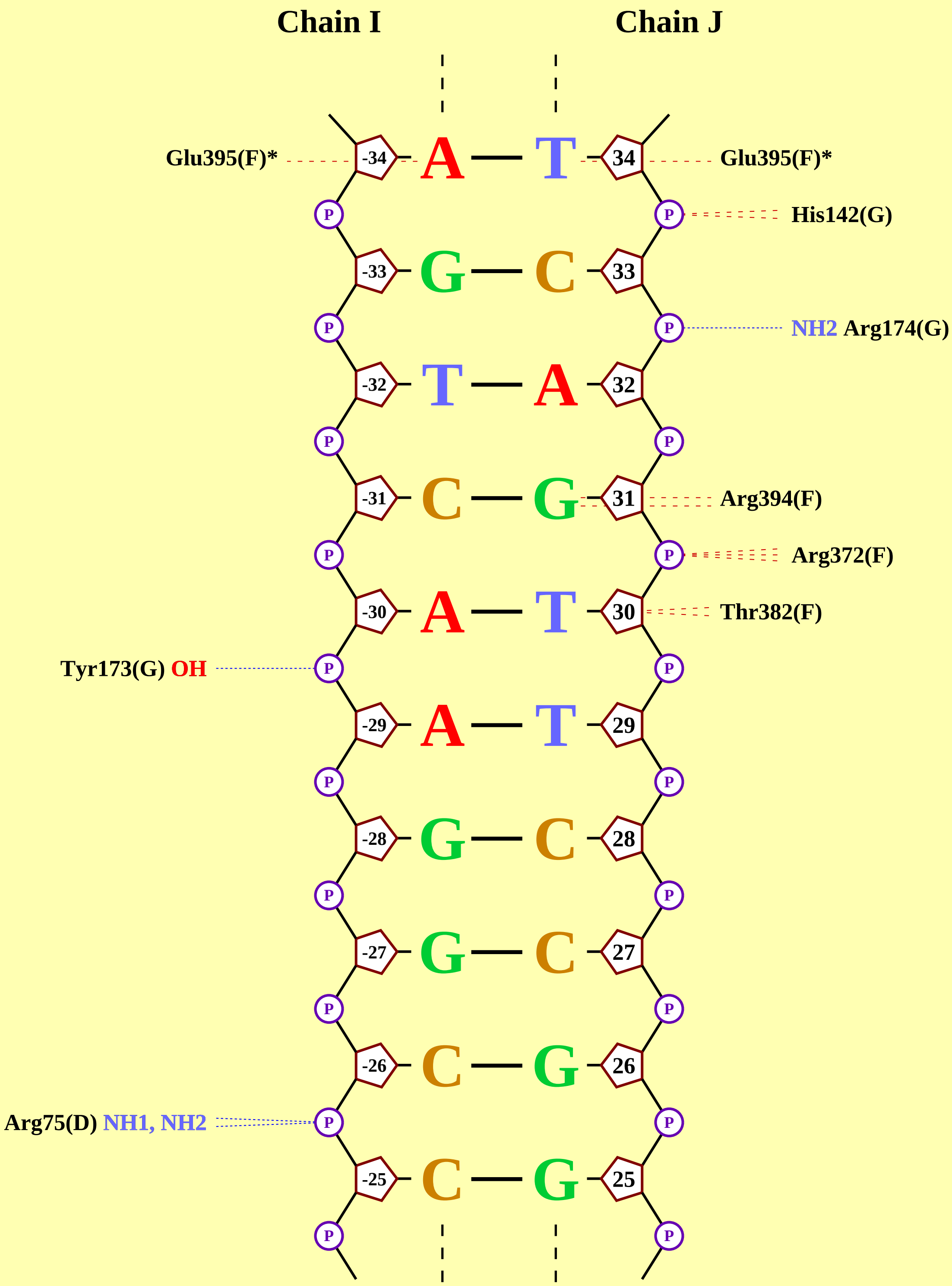
Key


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

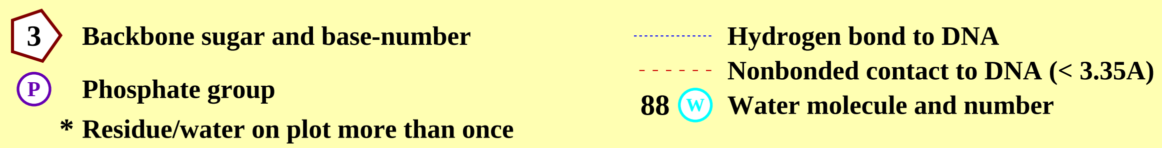

Chain I
Chain J
-44 G
C 44
Ser151(H)
N Ile152(H)
Ser155(H)*
-43 C
G 43
Ser155(H)*
Glu111(H)
-42 C
G 42
-41 A
T 41
Glu111(G)
Leu112(G) N
-40 C
G 40
Ser155(G)
-39 C
G 39
-38 T
A 38
Glu154(G) OE1
-37 C
G 37
NZ Lys158(G)
Arg396(F) NH1
-36 A
T 36
Thr393(F)
NH2, NH1 Arg165(G)
-35 C
G 35
NH2 Arg153(G)
NH2, NH1 Arg164(G)
P
Key
3
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



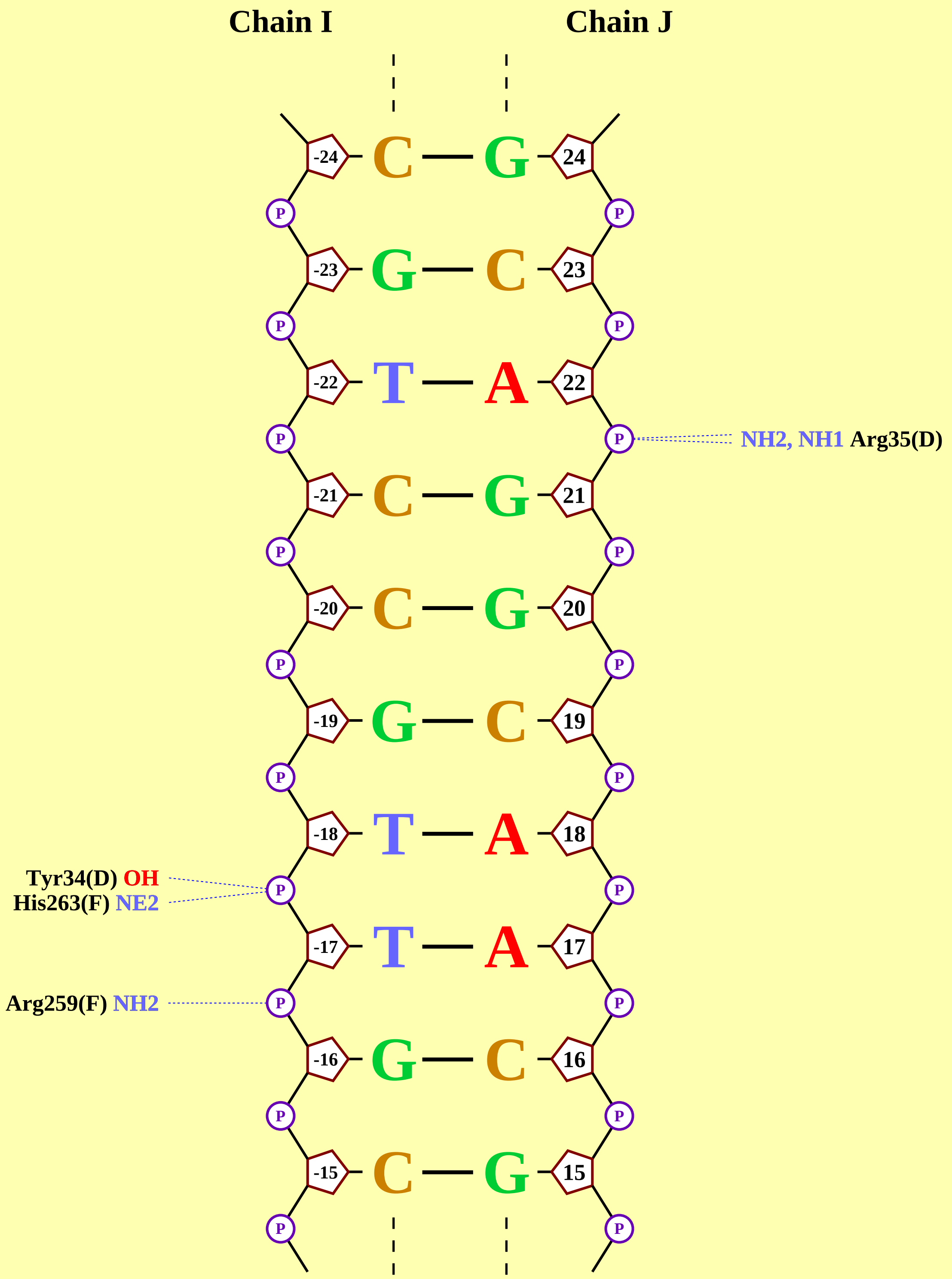
Chain I
Chain J
Glu395(F)*
-34
A
T
34
Glu395(F)*
P
His142(G)
-33
G
C
33
NH2 Arg174(G)
-32
T
A
32
-31
C
G
31
Arg394(F)
Arg372(F)
-30
A
T
30
Thr382(F)
Tyr173(G) OH
-29
A
T
29
-28
G
C
28
-27
G
C
27
-26
C
G
26
Arg75(D) NH1, NH2
-25
C
G
25

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



Key

3 Backbone sugar and base-number

P Phosphate group

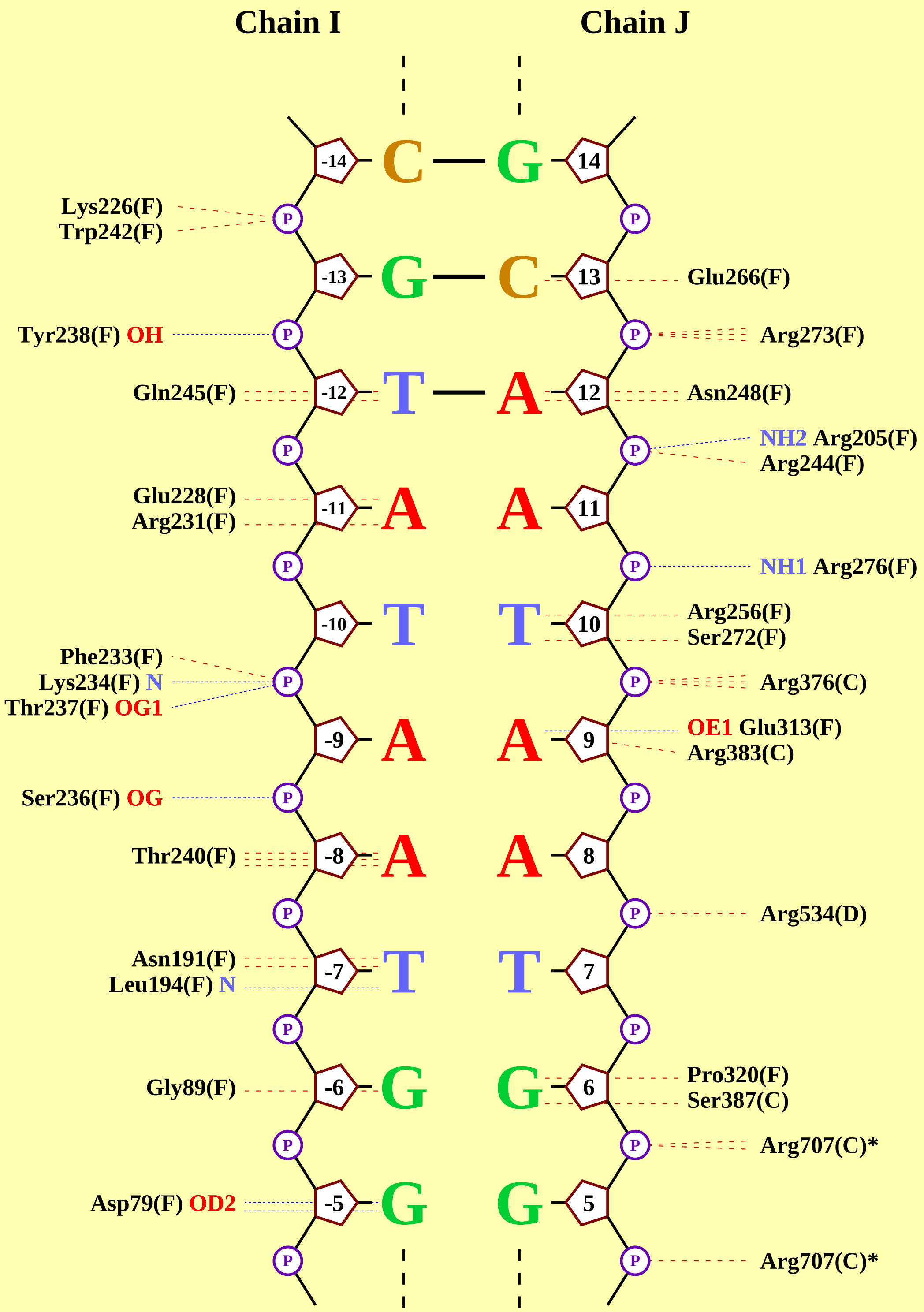
* Residue/water on plot more than once

Hydrogen bond to DNA

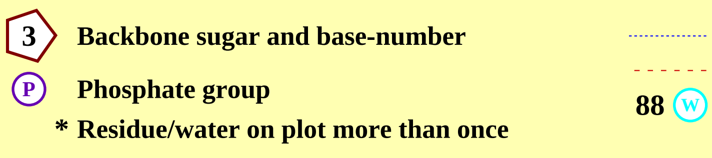
Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file



Key



Backbone sugar and base-number

Phosphate group

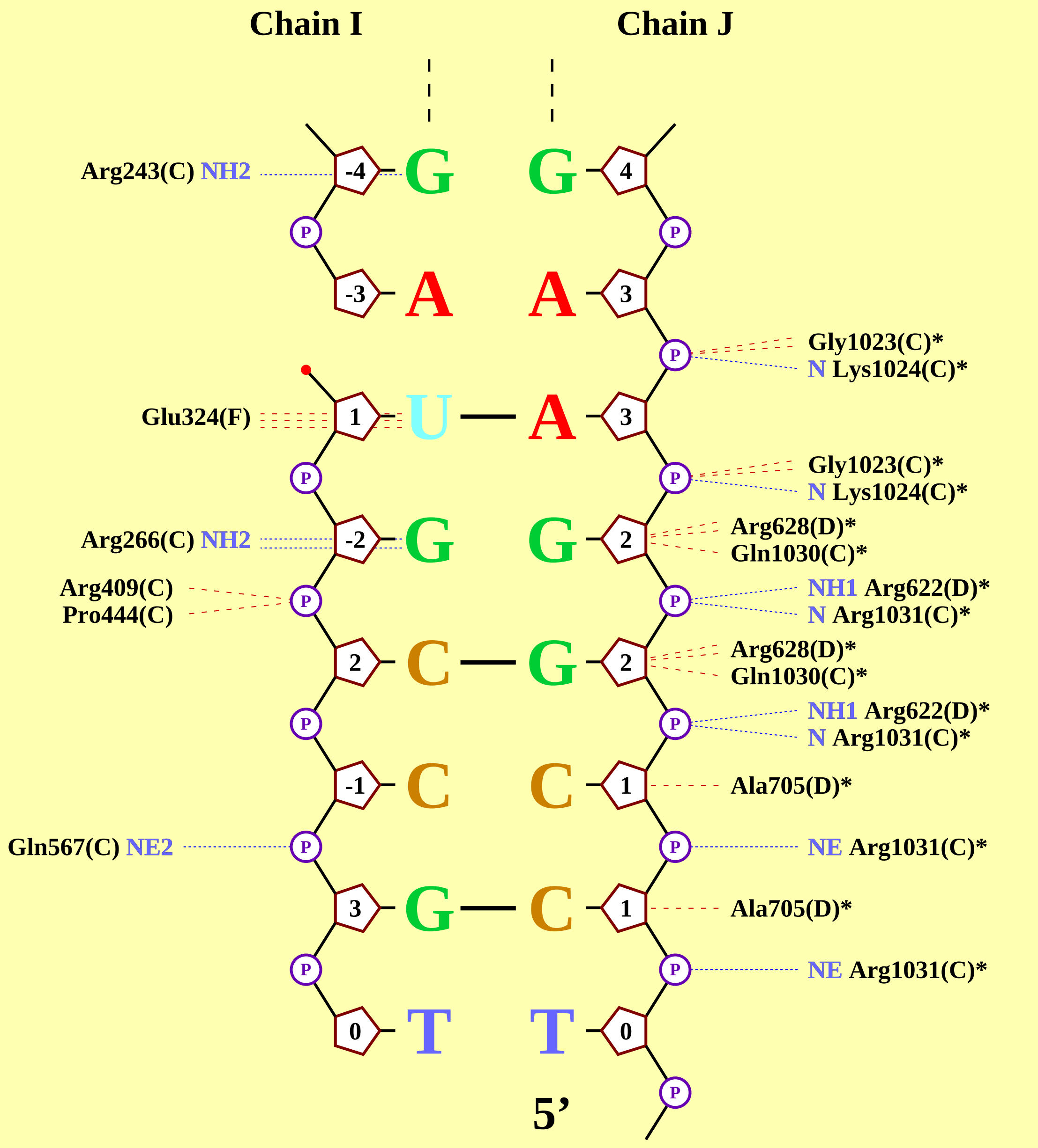
* Residue/water on plot more than once

Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

88 Water molecule and number

file



Key

3 Backbone sugar and base-number

P Phosphate group

* Residue/water on plot more than once

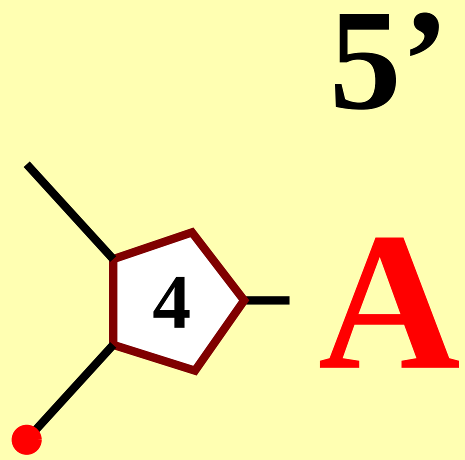
Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file

Chain K



Key

3 Backbone sugar and base-number

P Phosphate group

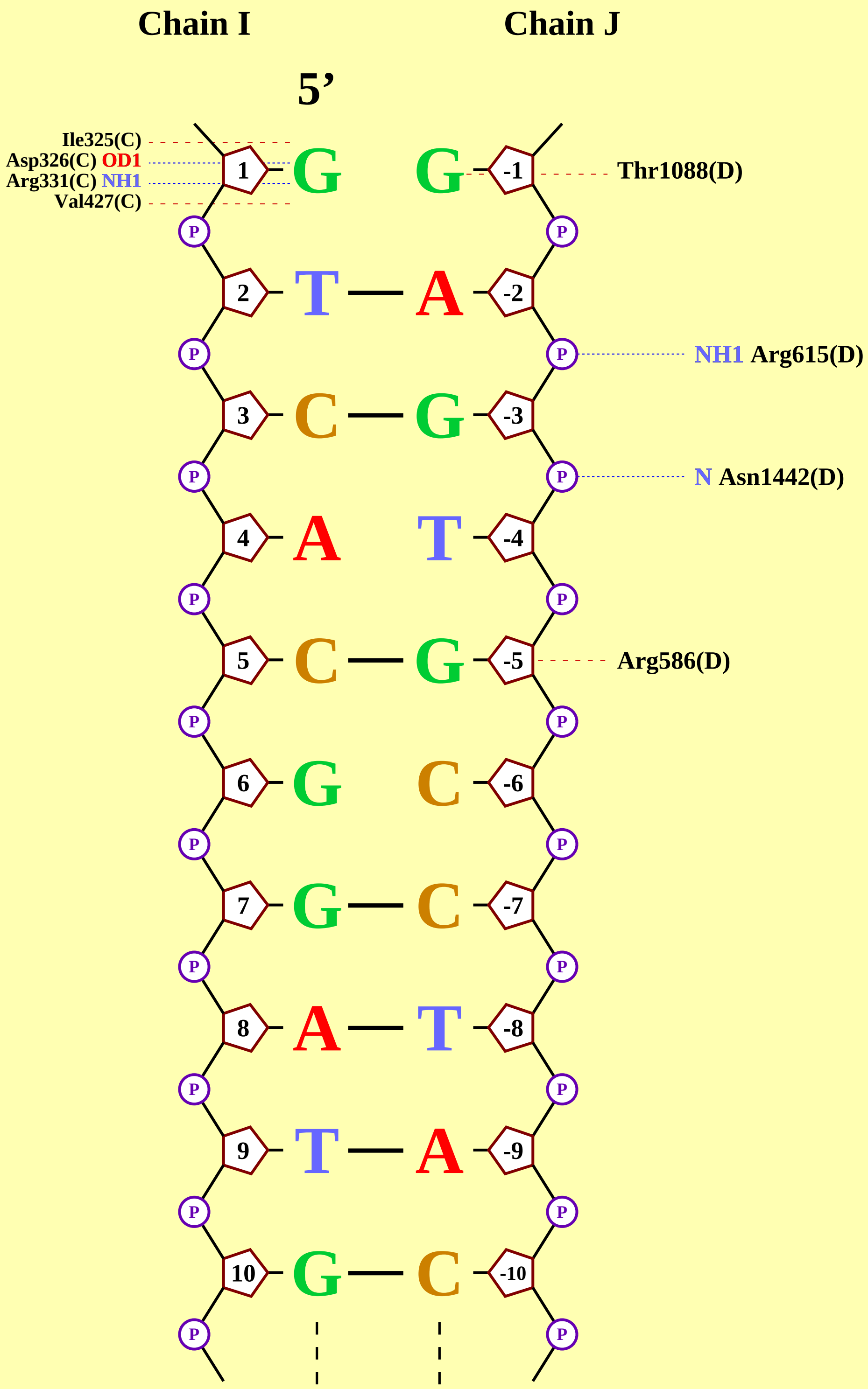
* Residue/water on plot more than once

Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file



Key

3 Backbone sugar and base-number

P Phosphate group

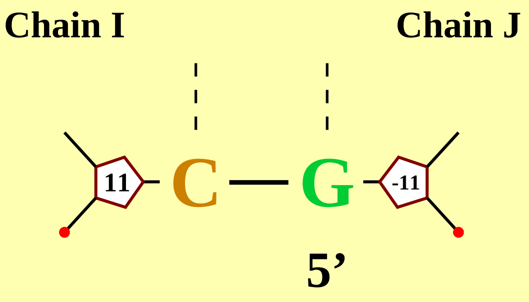
* Residue/water on plot more than once

Hydrogen bond to DNA

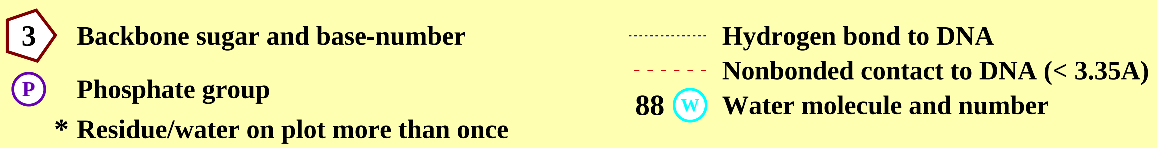
Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

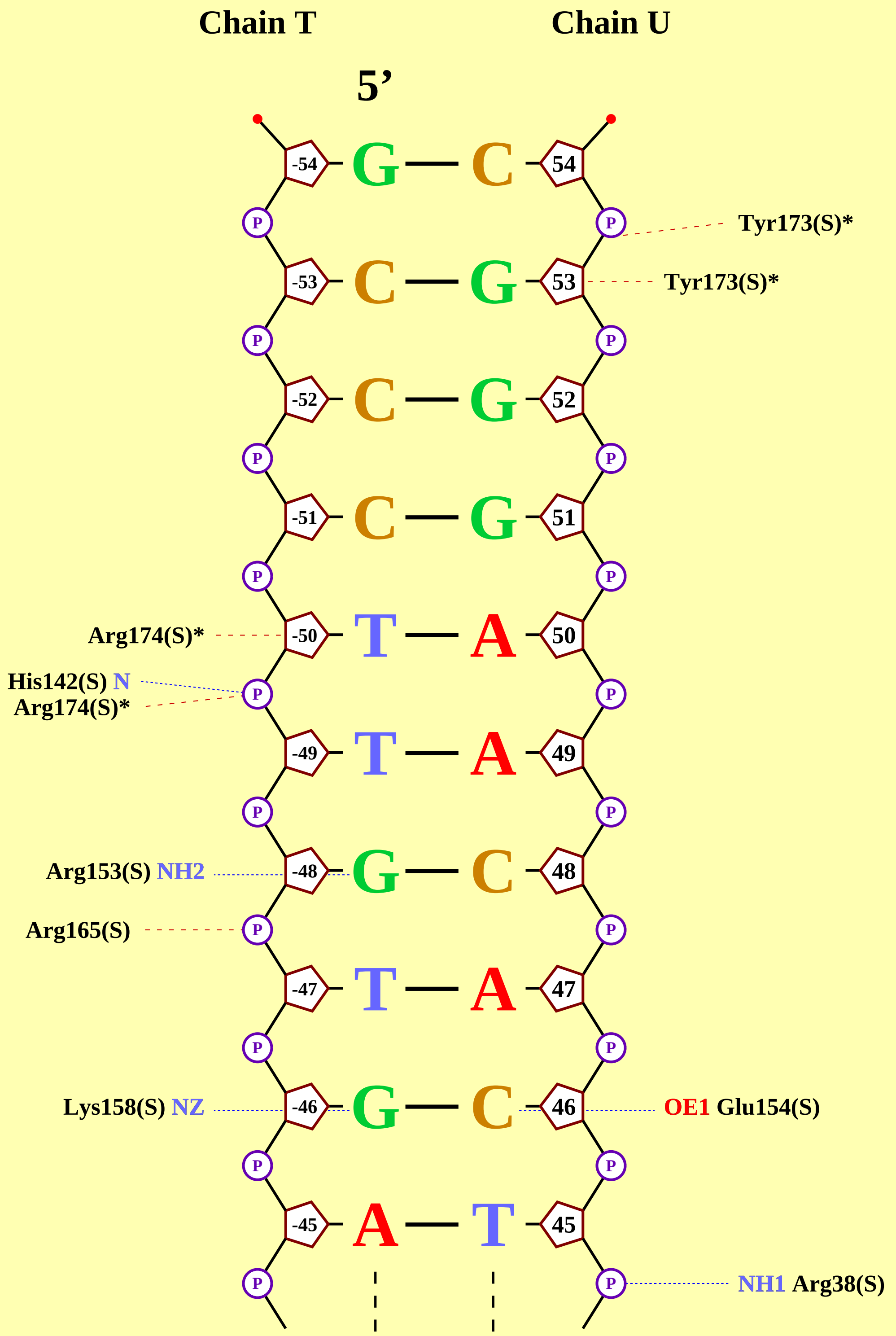
file


Chain I
Chain J
11
C
G
-11
5’

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



Key

3 Backbone sugar and base-number

P Phosphate group

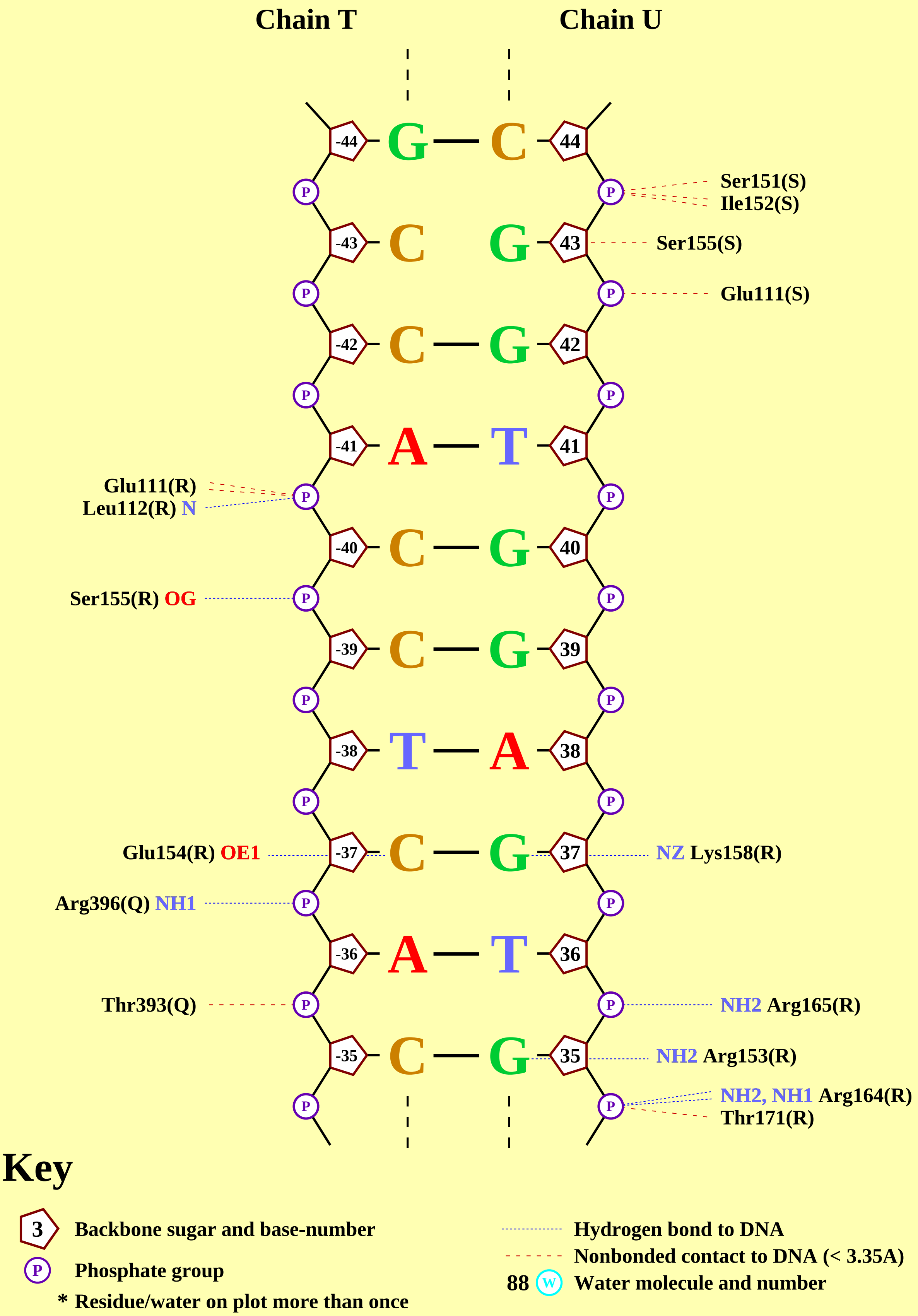
* Residue/water on plot more than once

Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

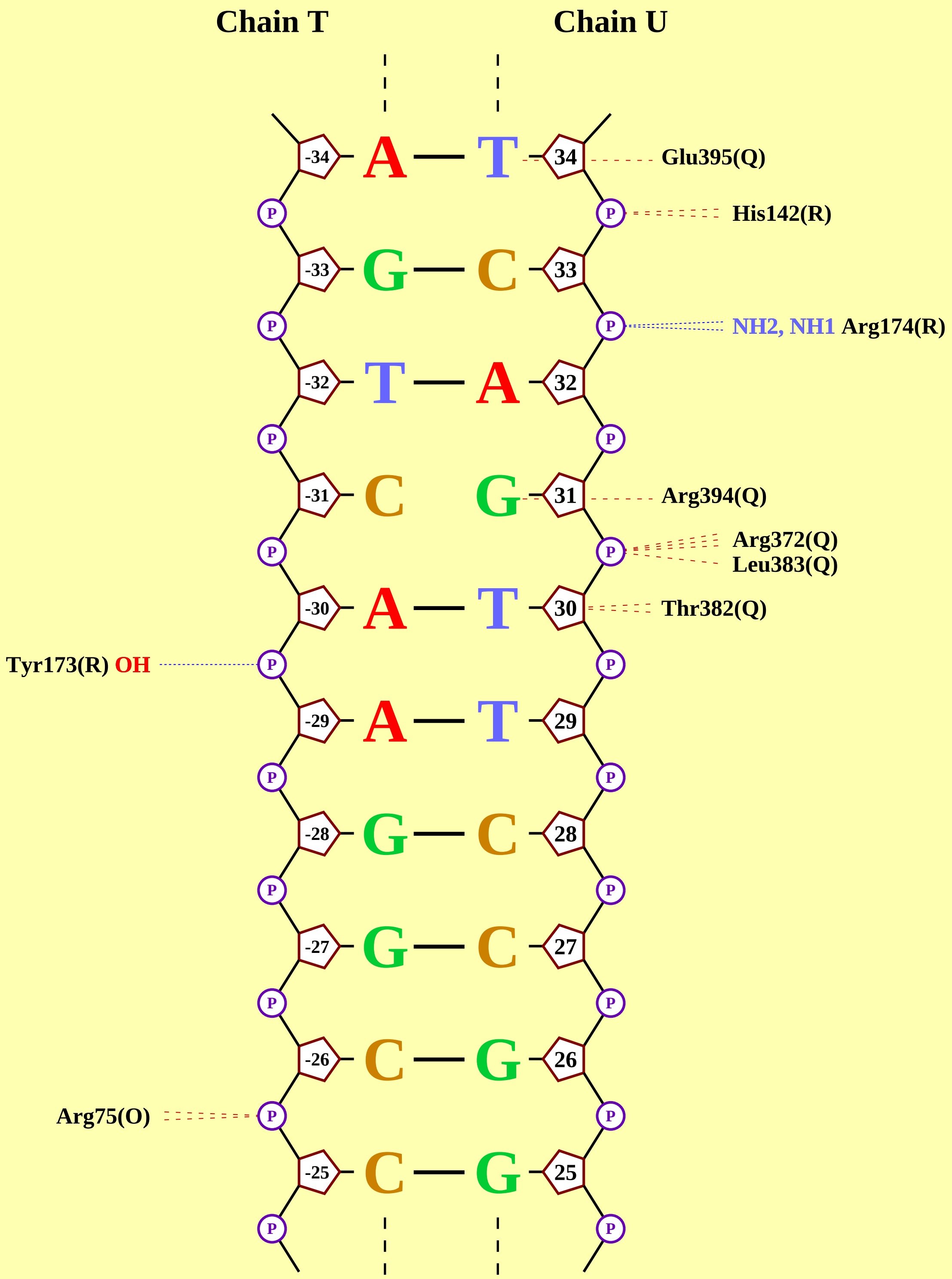
88 W Water molecule and number

file



Chain T
Chain U
-44
G
C
44
Ser151(S)
Ile152(S)
-43
C
G
43
Ser155(S)
Glu111(S)
-42
C
G
42
-41
A
T
41
Glu111(R)
Leu112(R) N
-40
C
G
40
Ser155(R) OG
-39
C
G
39
-38
T
A
38
Glu154(R) OE1
-37
C
G
37
NZ Lys158(R)
Arg396(Q) NH1
-36
A
T
36
Thr393(Q)
NH2 Arg165(R)
-35
C
G
35
NH2 Arg153(R)
NH2, NH1 Arg164(R)
Thr171(R)
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

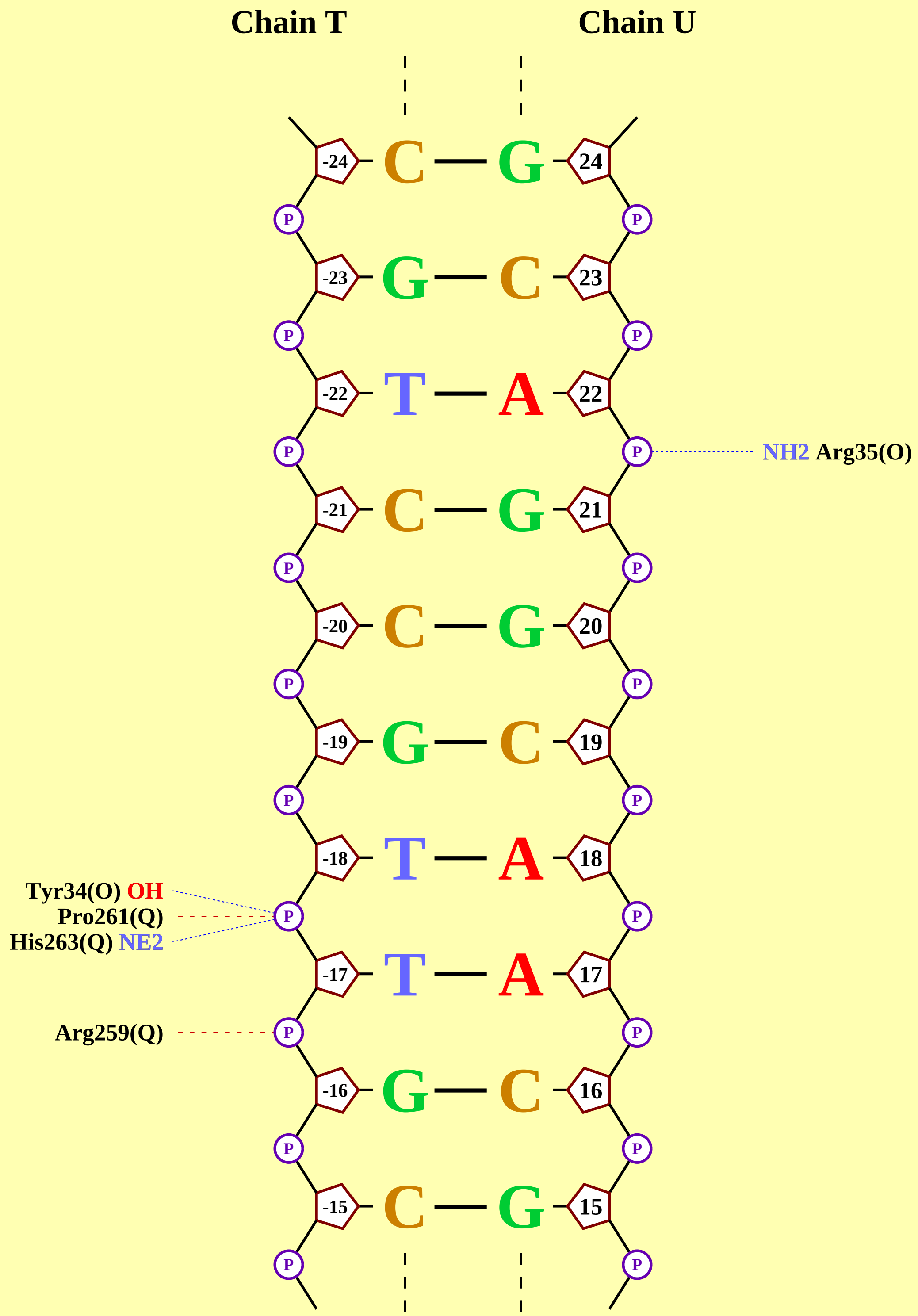
file


Chain T
Chain U
-34
A
T
34
Glu395(Q)
P
His142(R)
-33
G
C
33
NH2, NH1 Arg174(R)
-32
T
A
32
-31
C
G
31
Arg394(Q)
Arg372(Q)
Leu383(Q)
-30
A
T
30
Thr382(Q)
Tyr173(R) OH
-29
A
T
29
-28
G
C
28
-27
G
C
27
-26
C
G
26
Arg75(O)
-25
C
G
25

Key

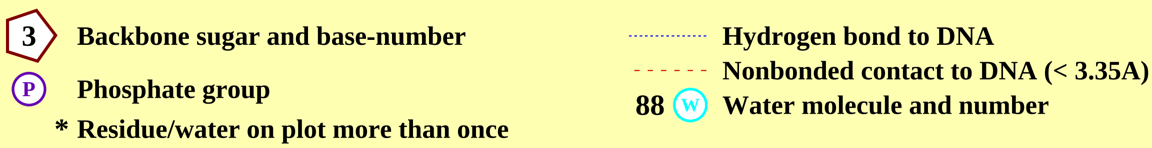
3
Backbone sugar and base-number
P
Phosphate group
* Residue/water on plot more than once
Hydrogen bond to DNA
Nonbonded contact to DNA (< 3.35A)
88 W
Water molecule and number

file



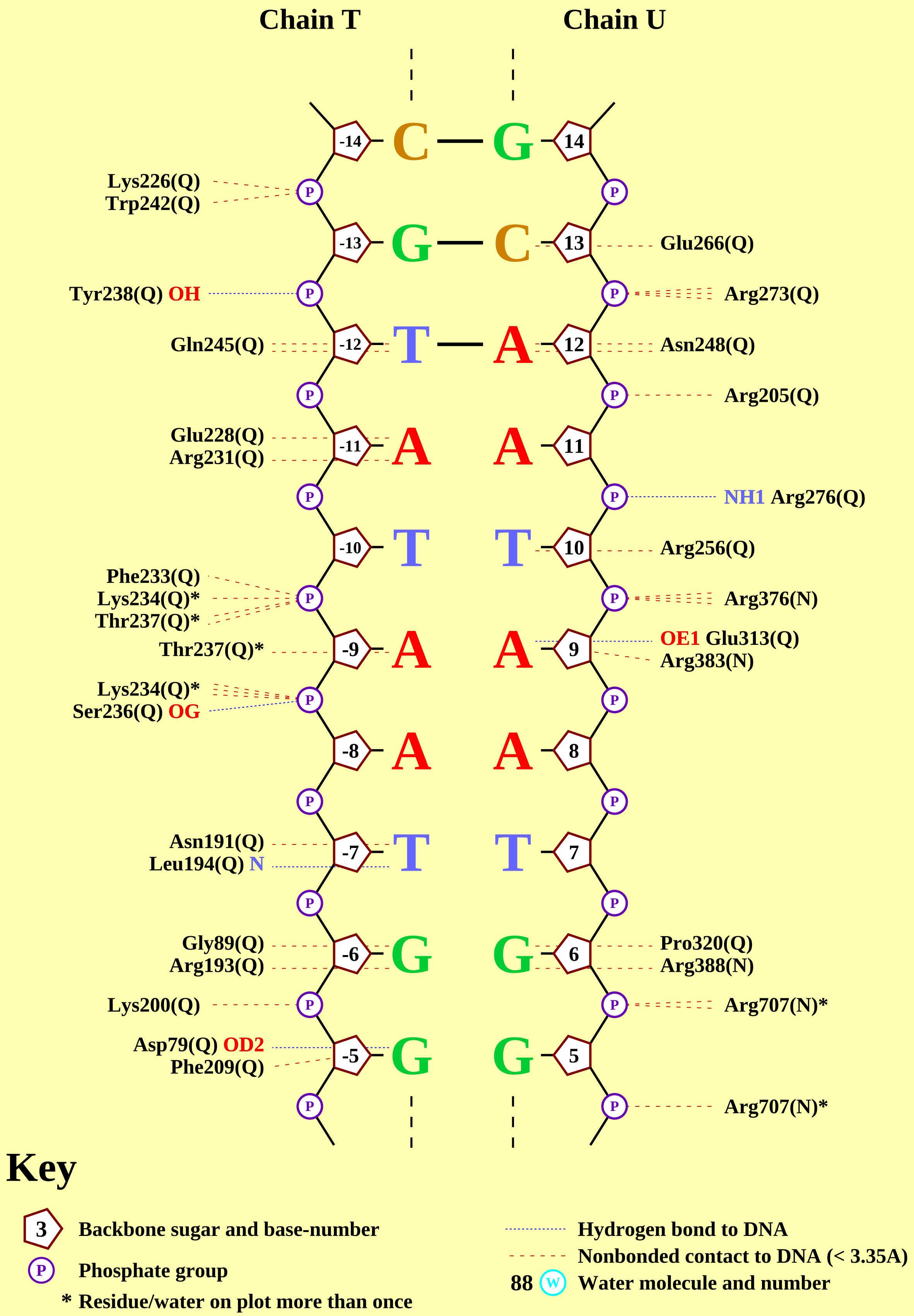
Chain T
Chain U
-24
C
G
24
-23
G
C
23
-22
T
A
22
NH2 Arg35(O)
-21
C
G
21
-20
C
G
20
-19
G
C
19
-18
T
A
18
Tyr34(O) OH
Pro261(Q)
His263(Q) NE2
-17
T
A
17
Arg259(Q)
-16
G
C
16
-15
C
G
15
P

Key

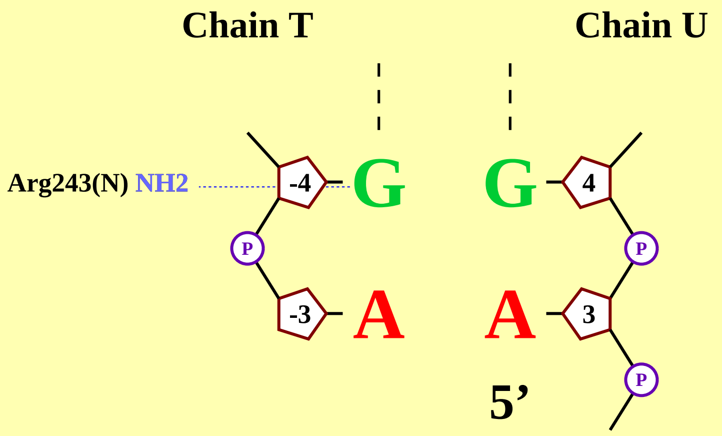


3
Backbone sugar and base-number
P
Phosphate group
* Residue/water on plot more than once
Hydrogen bond to DNA
Nonbonded contact to DNA (< 3.35A)
88
W
Water molecule and number

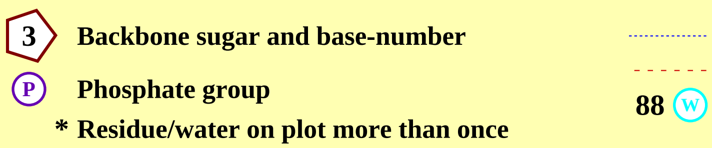
file


Chain T
Chain U
C
G
G
C
T
A
A
A
T
T
A
A
A
A
T
T
G
G
G
G
-14
14
-13
13
-12
12
-11
11
-10
10
-9
9
-8
8
-7
7
-6
6
-5
5
Lys226(Q)
Trp242(Q)
Glu266(Q)
Tyr238(Q) OH
Arg273(Q)
Gln245(Q)
Asn248(Q)
Arg205(Q)
Glu228(Q)
Arg231(Q)
NH1 Arg276(Q)
Arg256(Q)
Phe233(Q)
Lys234(Q)*
Thr237(Q)*
Arg376(N)
Thr237(Q)*
OE1 Glu313(Q)
Arg383(N)
Lys234(Q)*
Ser236(Q) OG
Asn191(Q)
Leu194(Q) N
Gly89(Q)
Arg193(Q)
Pro320(Q)
Arg388(N)
Lys200(Q)
Arg707(N)*
Asp79(Q) OD2
Phe209(Q)
Arg707(N)*
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



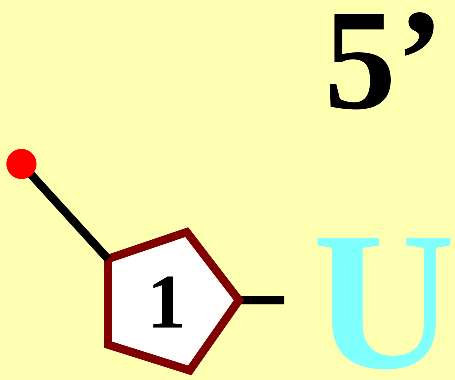
Key



Backbone sugar and base-number
Phosphate group
* Residue/water on plot more than once
Hydrogen bond to DNA
Nonbonded contact to DNA (< 3.35A)
Water molecule and number

file

Chain V



Key

Backbone sugar and base-number

Phosphate group

* Residue/water on plot more than once

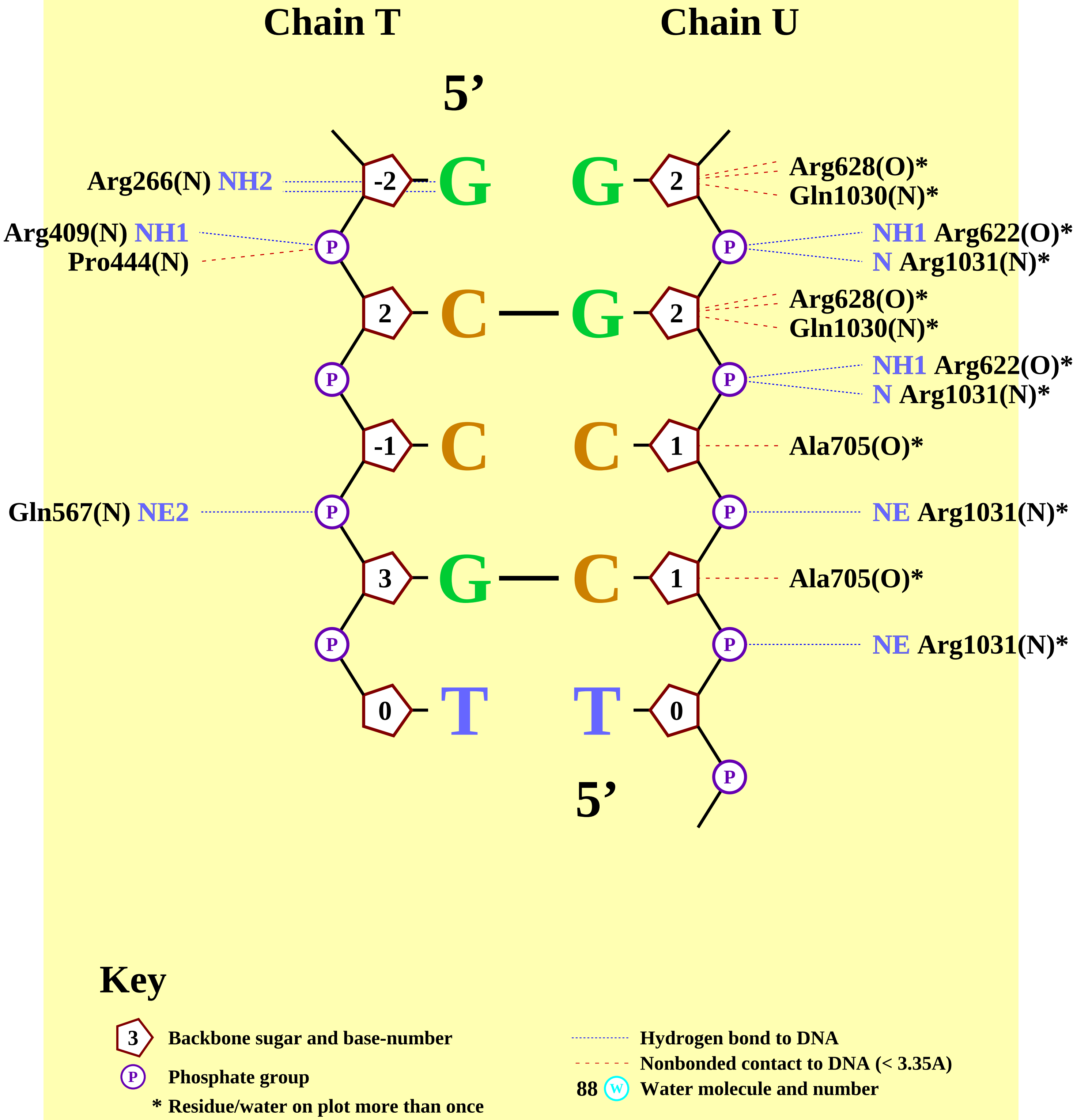
Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

88 

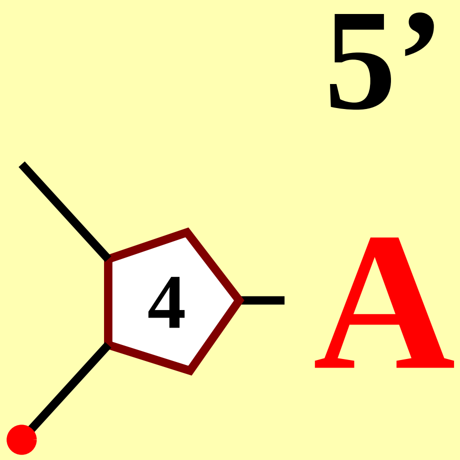
Water molecule and number

file

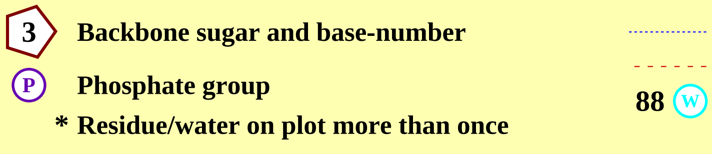

Chain T
Chain U
5'
Arg266(N) NH2
Arg409(N) NH1
Pro444(N)
Gln567(N) NE2
-2
G
2
C
-1
C
3
G
0
T
G
2
G
2
C
1
C
1
T
0
P
5'
Arg628(O)*
Gln1030(N)*
NH1 Arg622(O)*
N Arg1031(N)*
Arg628(O)*
Gln1030(N)*
NH1 Arg622(O)*
N Arg1031(N)*
Ala705(O)*
NE Arg1031(N)*
Ala705(O)*
NE Arg1031(N)*
Key
3 Backbone sugar and base-number
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 V



Key



Backbone sugar and base-number

Phosphate group

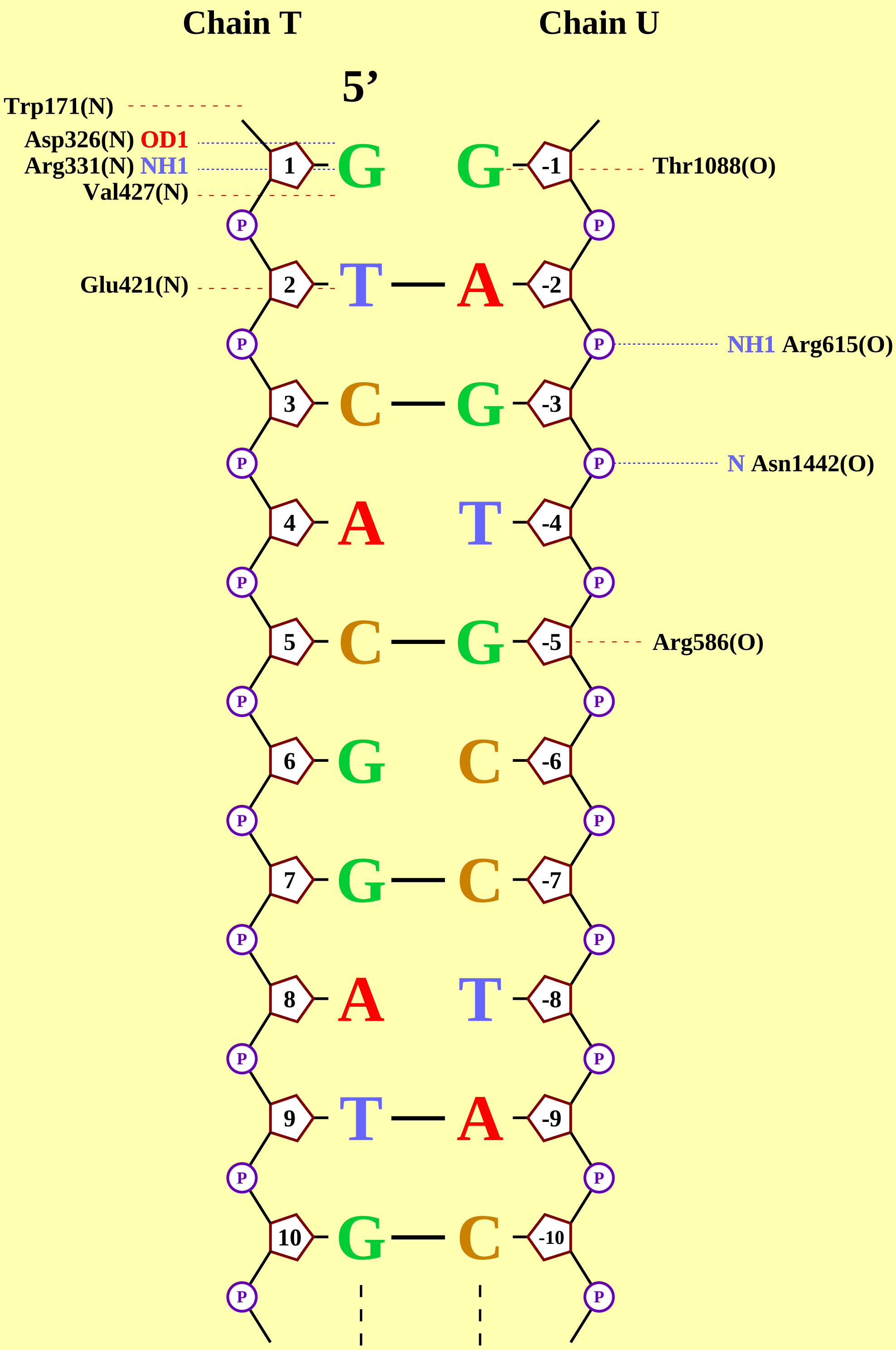
* Residue/water on plot more than once

Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

Water molecule and number

file



Key

3 Backbone sugar and base-number

P Phosphate group

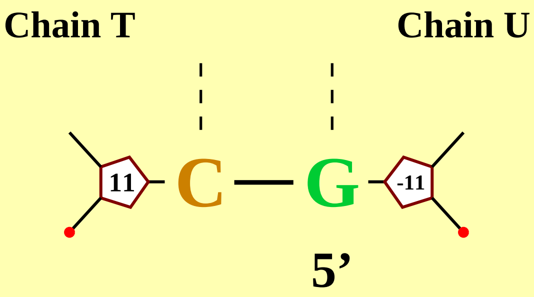
* Residue/water on plot more than once

Hydrogen bond to DNA

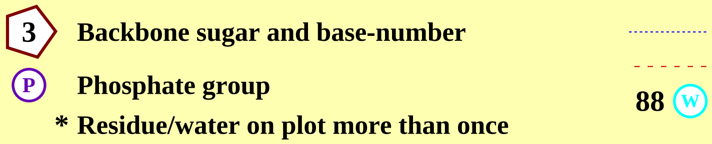
Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file



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)

Water molecule and number

file