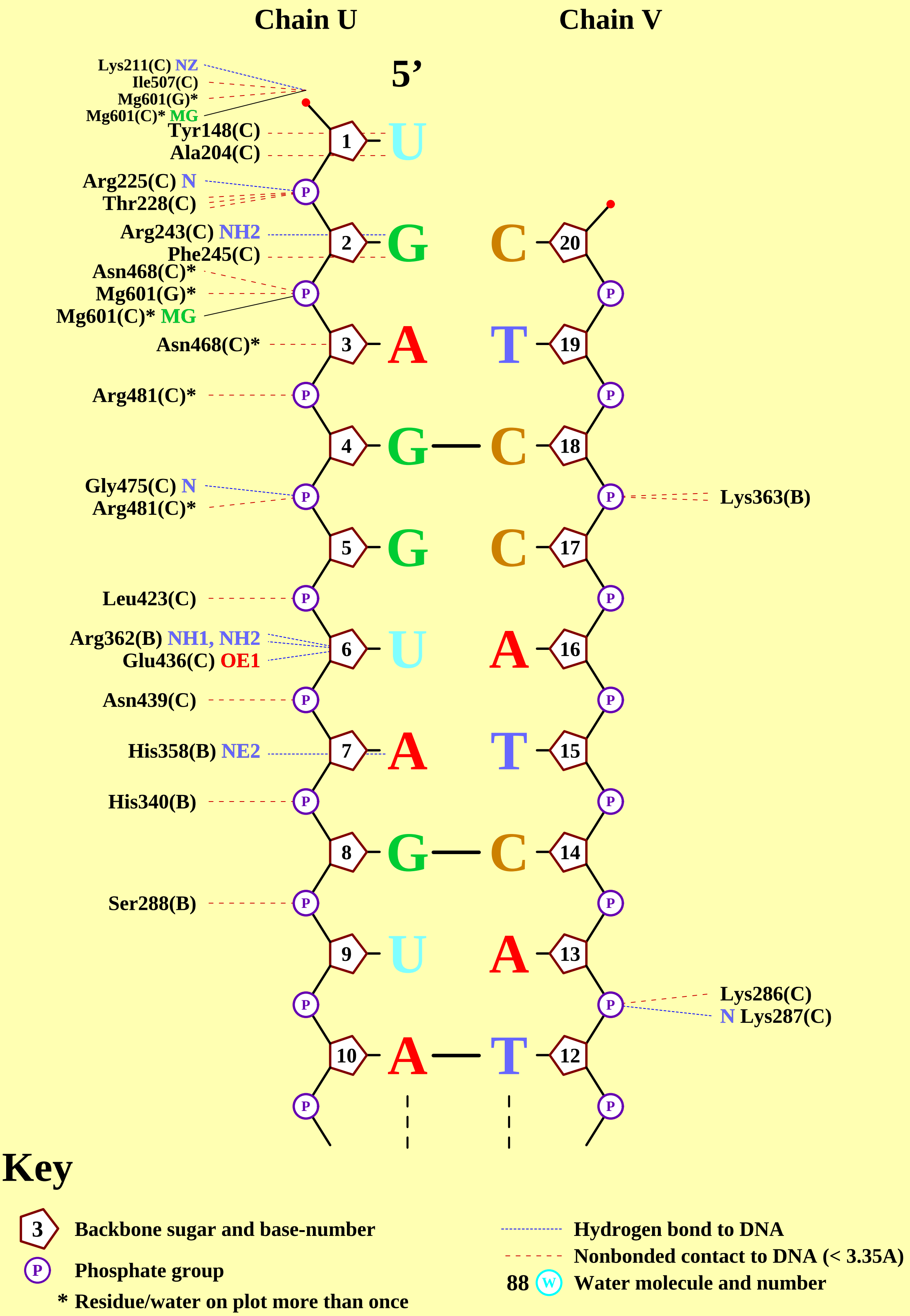
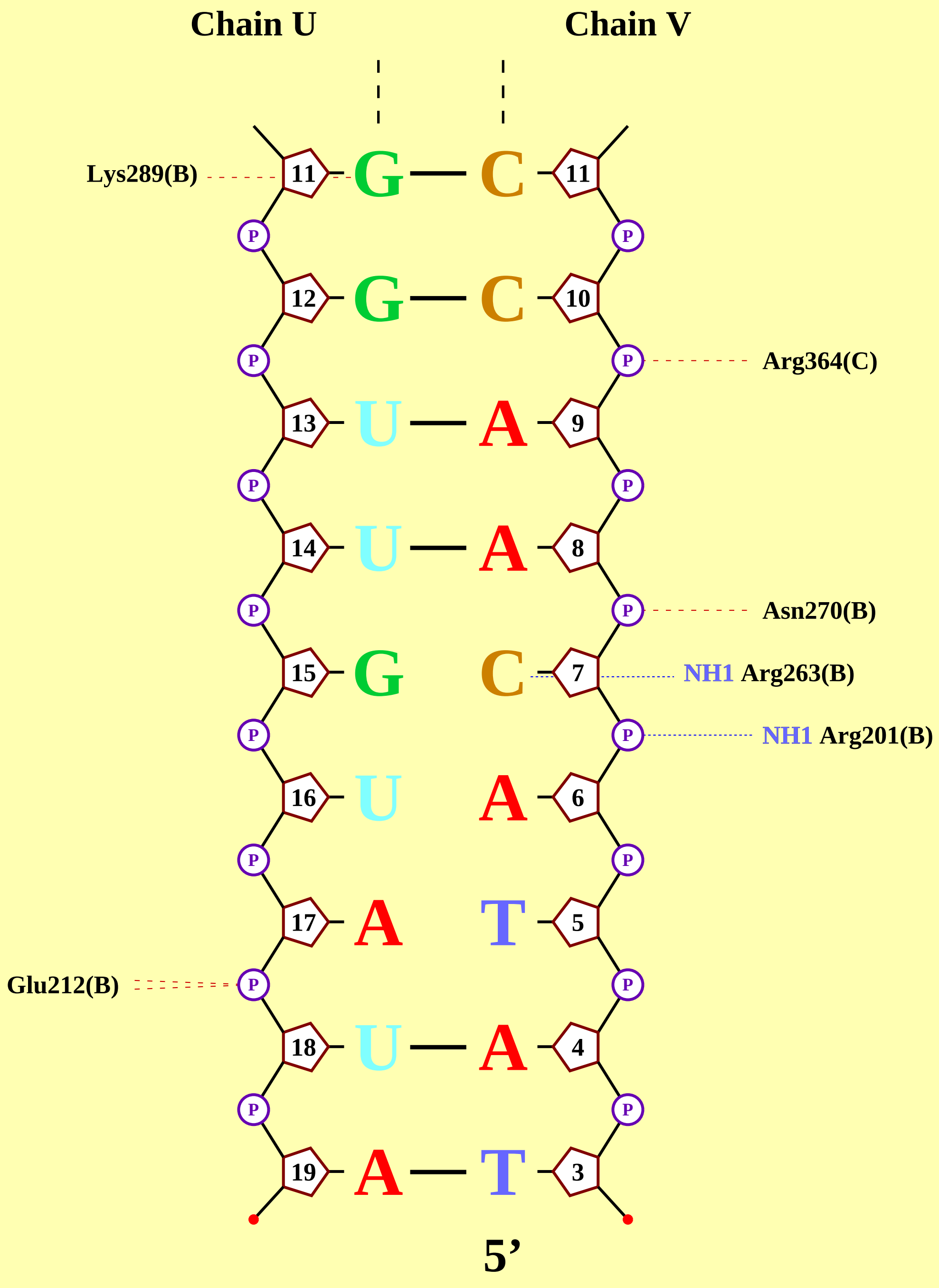
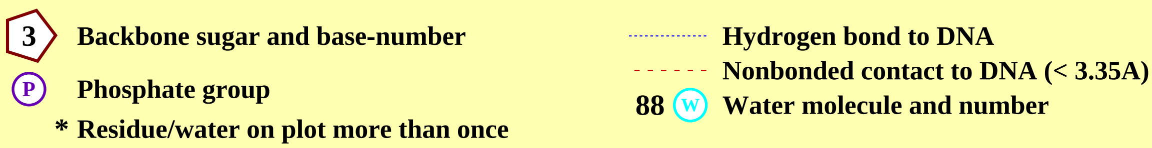

Chain U
Chain V
5’
Lys211(C) NZ
Ile507(C)
Mg601(G)*
Mg601(C)* MG
Tyr148(C)
Ala204(C)
Arg225(C) N
Thr228(C)
Arg243(C) NH2
Phe245(C)
Asn468(C)*
Mg601(G)*
Mg601(C)* MG
Asn468(C)*
Arg481(C)*
Gly475(C) N
Arg481(C)*
Leu423(C)
Arg362(B) NH1, NH2
Glu436(C) OE1
Asn439(C)
His358(B) NE2
His340(B)
Ser288(B)
Lys363(B)
Lys286(C)
N Lys287(C)
1 U
2 G
3 A
4 G
5 G
6 U
7 A
8 G
9 U
10 A
20 C
19 T
18 C
17 C
16 A
15 T
14 C
13 A
12 T
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 U
Chain V
Lys289(B)
Arg364(C)
Asn270(B)
NH1 Arg263(B)
NH1 Arg201(B)
Glu212(B)
11 G — C 11
12 G — C 10
13 U — A 9
14 U — A 8
15 G C 7
16 U A 6
17 A T 5
18 U — A 4
19 A — T 3
5’

Key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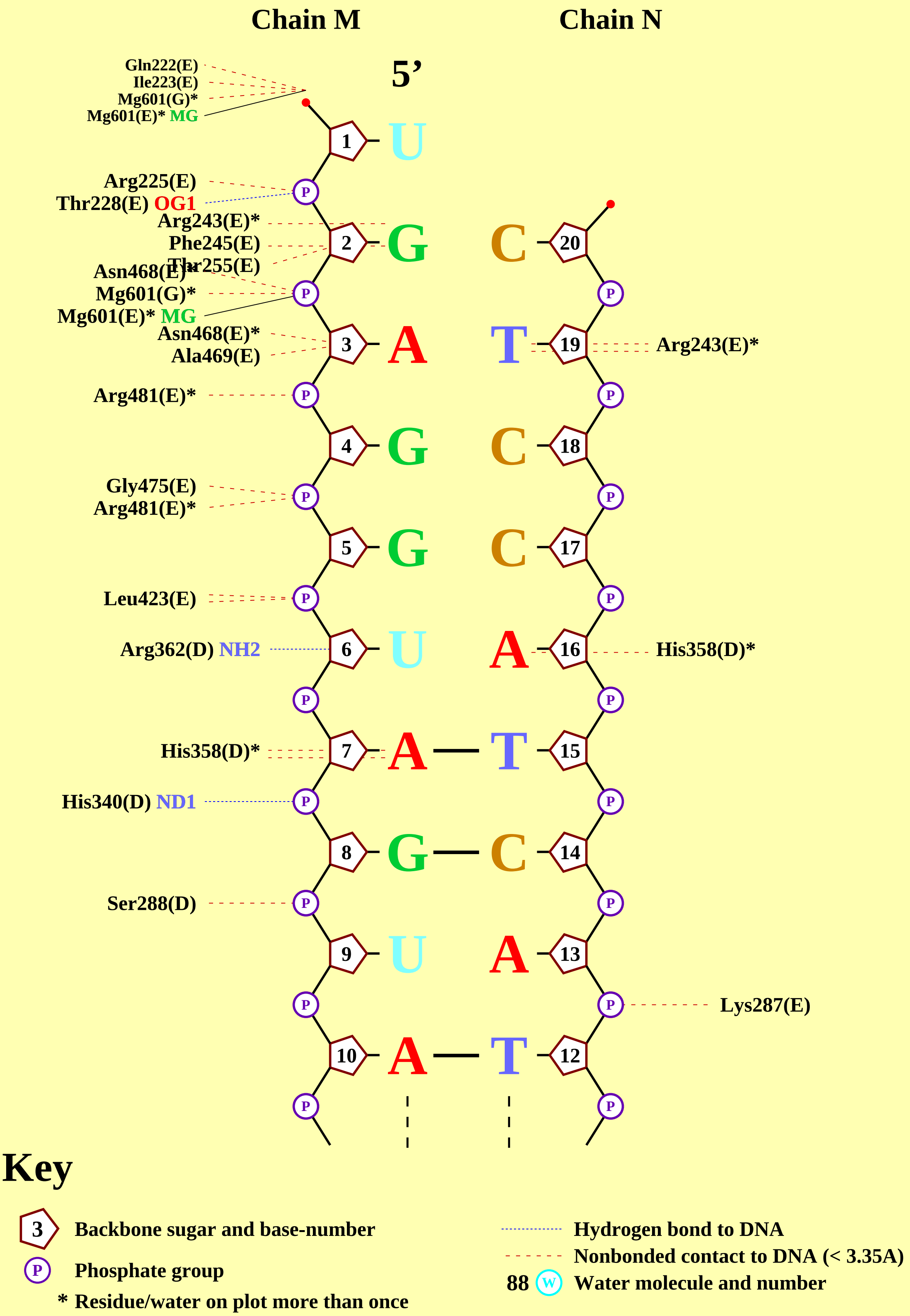
Chain M
Chain N
5’
Gln222(E)
Ile223(E)
Mg601(G)*
Mg601(E)* MG
U
1
Arg225(E)
Thr228(E) OG1
Arg243(E)*
Phe245(E)
Thr255(E)
Asn468(E)*
Mg601(G)*
Mg601(E)* MG
G
2
C
20
Asn468(E)*
Ala469(E)
A
3
T
19
Arg243(E)*
Arg481(E)*
G
4
C
18
Gly475(E)
Arg481(E)*
G
5
C
17
Leu423(E)
Arg362(D) NH2
U
6
A
16
His358(D)*
His358(D)*
A
7
T
15
His340(D) ND1
G
8
C
14
Ser288(D)
U
9
A
13
Lys287(E)
A
10
T
12
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

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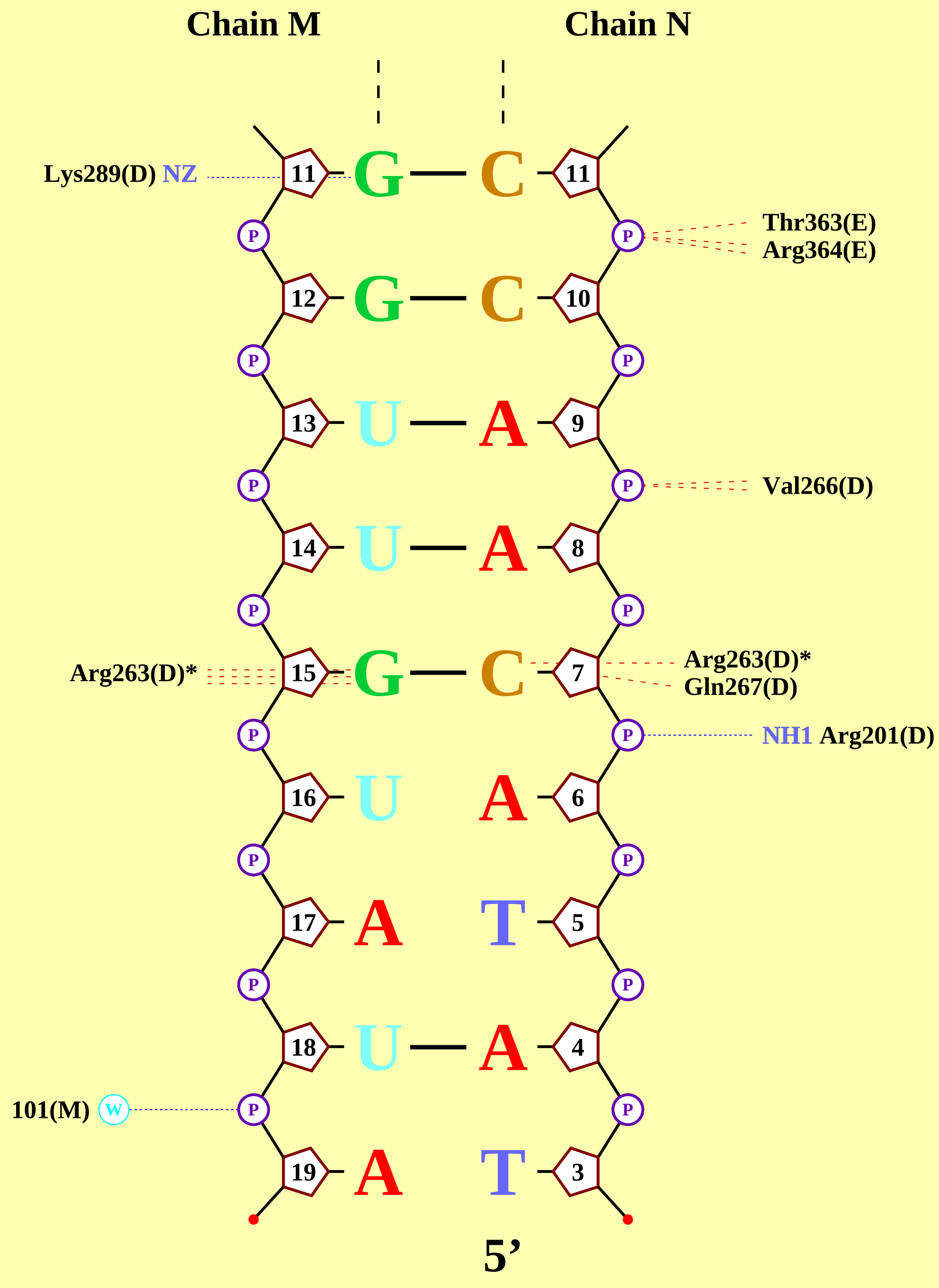
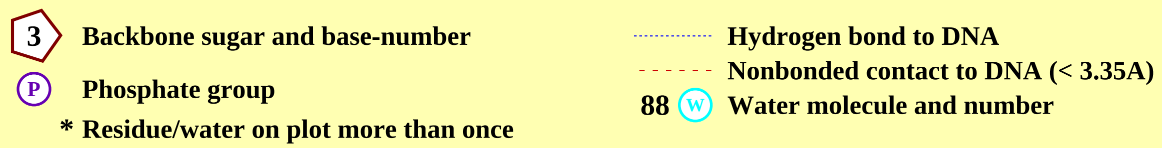


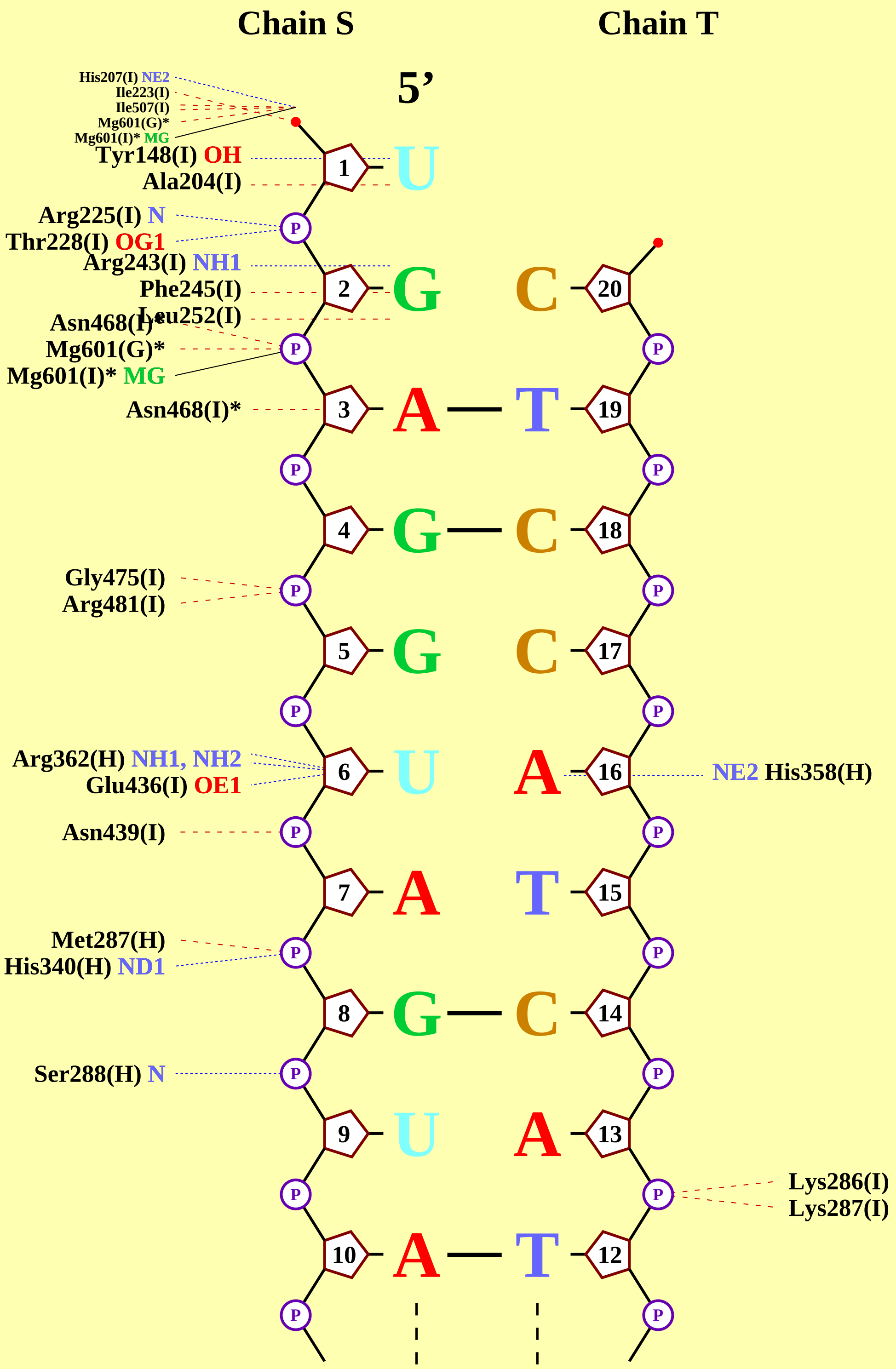
Chain M
Chain N
Lys289(D) NZ
Thr363(E)
Arg364(E)
Val266(D)
Arg263(D)*
Arg263(D)*
Gln267(D)
NH1 Arg201(D)
101(M)
W
G
C
G
C
U
A
U
A
G
C
U
A
A
T
U
A
A
T
11
12
13
14
15
16
17
18
19
11
10
9
8
7
6
5
4
3
P
5’

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

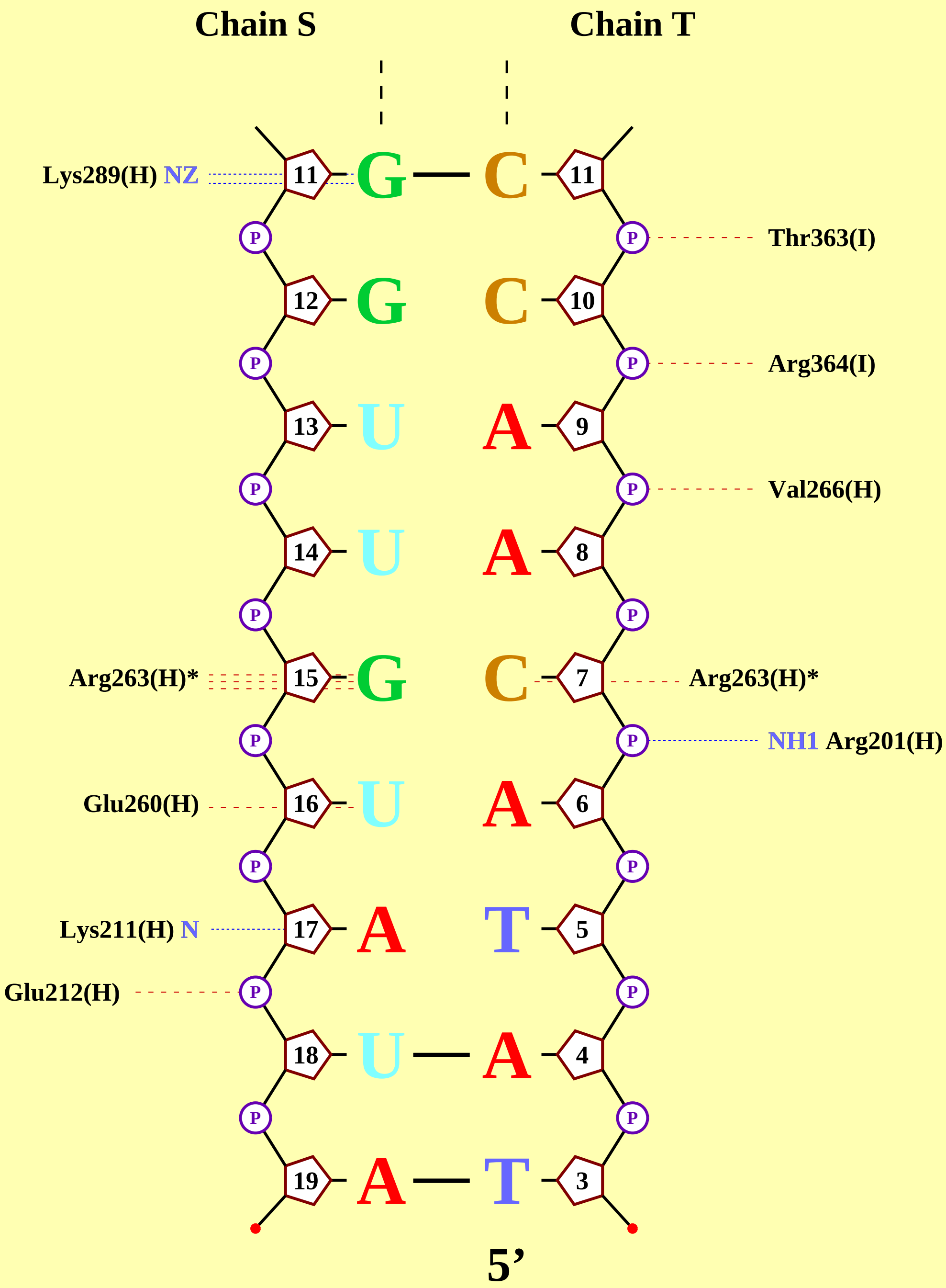
* Residue/water on plot more than once

Hydrogen bond to DNA

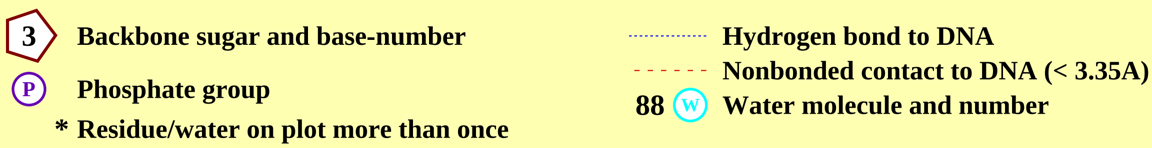
Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file


Chain S
Chain T
Lys289(H) NZ
11
G
C
11
Thr363(I)
12
G
C
10
Arg364(I)
13
U
A
9
Val266(H)
14
U
A
8
Arg263(H)*
15
G
C
7
Arg263(H)*
NH1 Arg201(H)
Glu260(H)
16
U
A
6
Lys211(H) N
17
A
T
5
Glu212(H)
18
U
A
4
19
A
T
3
5’

Key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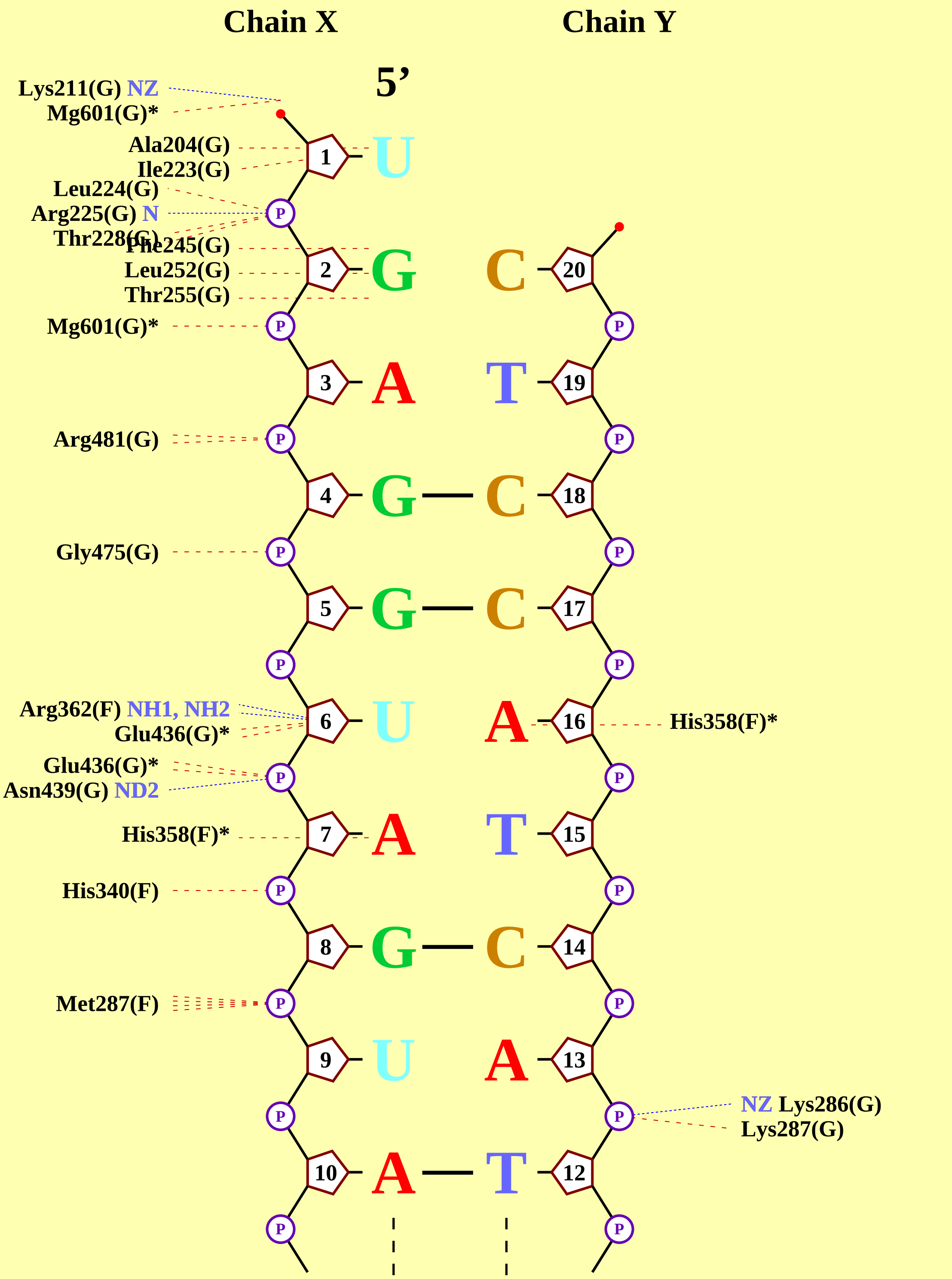

Key

3 Backbone sugar and base-number

P Phosphate group

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Hydrogen bond to DNA

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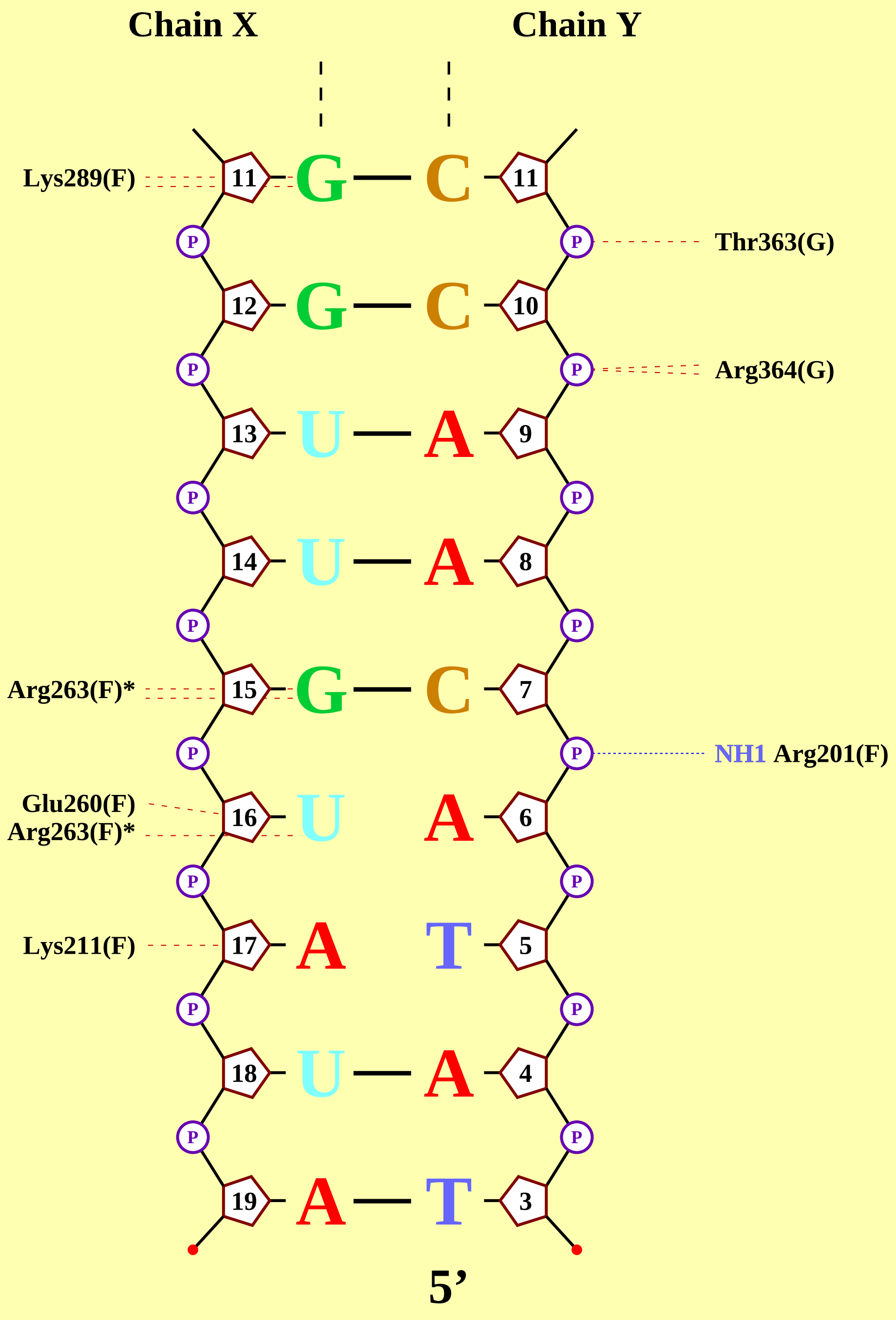
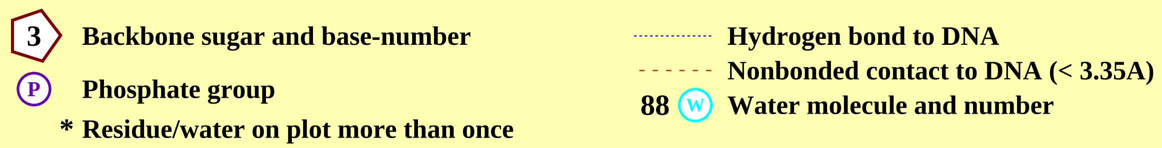
file



Chain X
Chain Y
Lys289(F)
11
G
C
11
Thr363(G)
12
G
C
10
Arg364(G)
13
U
A
9
14
U
A
8
Arg263(F)*
15
G
C
7
NH1 Arg201(F)
Glu260(F)
Arg263(F)*
16
U
A
6
Lys211(F)
17
A
T
5
18
U
A
4
19
A
T
3
5’
P

Key



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