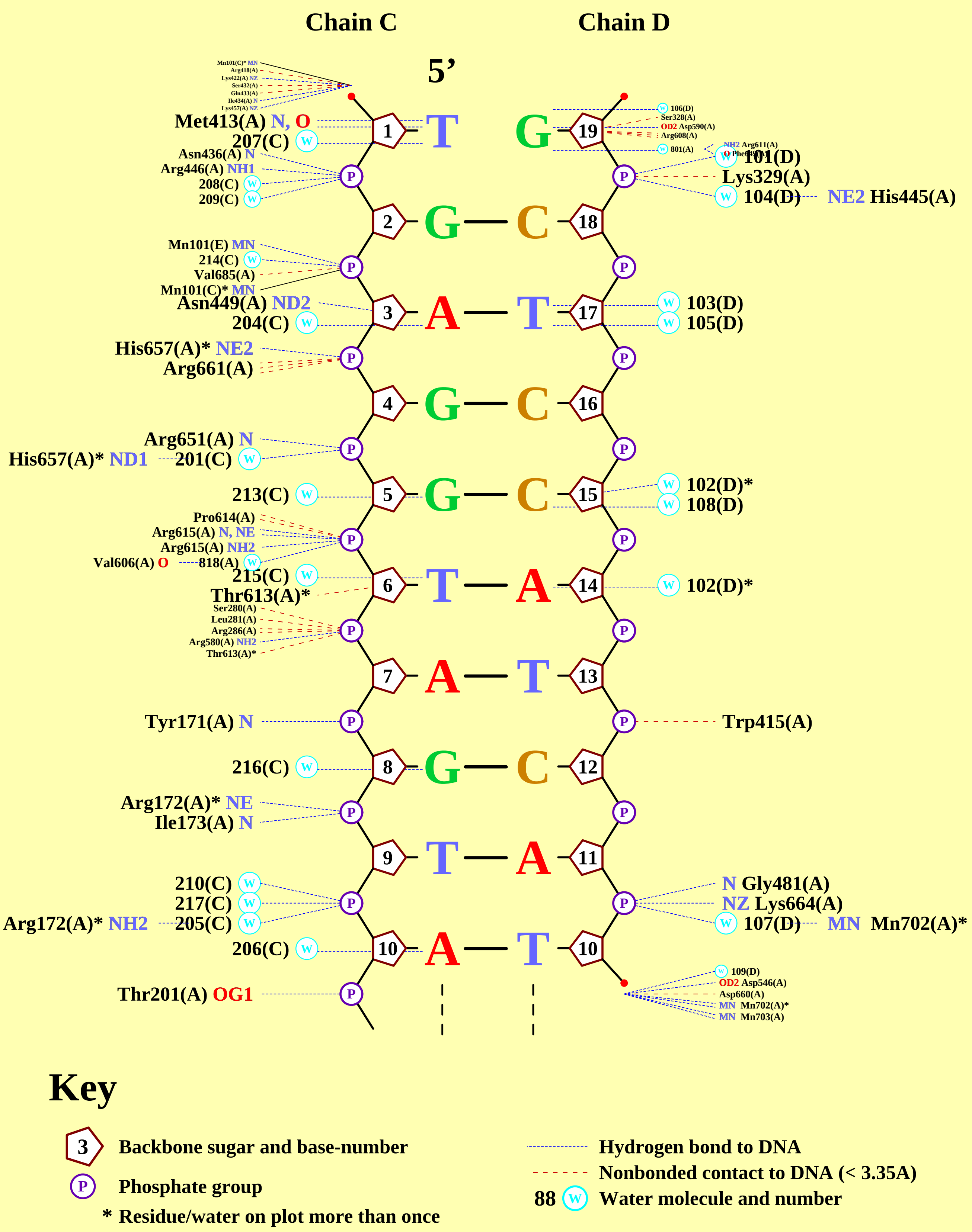
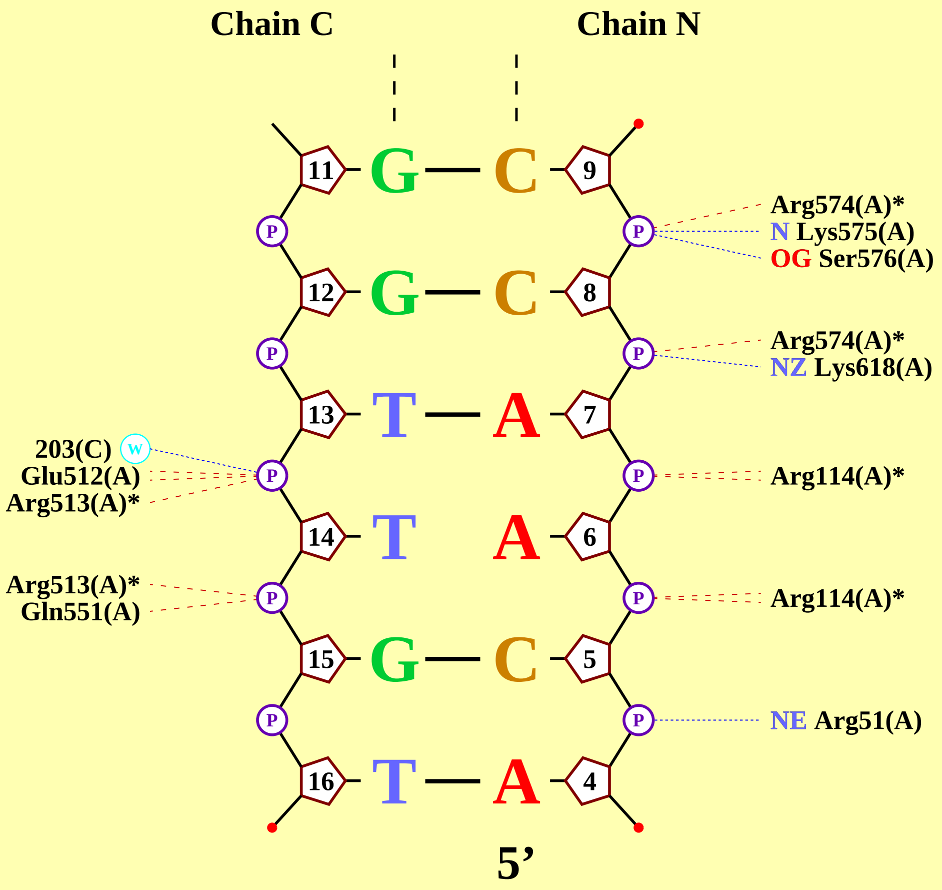

Chain C
Chain D
5’
Mn101(C)* MN
Arg418(A)
Lys422(A) NZ
Ser432(A)
Gln433(A)
Ile434(A) N
Lys457(A) NZ
Met413(A) N, O
207(C) W
Asn436(A) N
Arg446(A) NH1
208(C) W
209(C) W
1
T
G
19
W 106(D)
Ser328(A)
OD2 Asp590(A)
Arg608(A)
W 801(A)
NH2 Arg611(A)
O Phe649(A)
W 101(D)
Lys329(A)
W 104(D)
NE2 His445(A)
P
2
G
C
18
Mn101(E) MN
214(C) W
Val685(A)
Mn101(C)* MN
Asn449(A) ND2
204(C) W
3
A
T
17
W 103(D)
W 105(D)
His657(A)* NE2
Arg661(A)
4
G
C
16
Arg651(A) N
His657(A)* ND1
201(C) W
213(C) W
5
G
C
15
W 102(D)*
W 108(D)
Pro614(A)
Arg615(A) N, NE
Arg615(A) NH2
Val606(A) O
818(A) W
215(C) W
Thr613(A)*
6
T
A
14
W 102(D)*
Ser280(A)
Leu281(A)
Arg286(A)
Arg580(A) NH2
Thr613(A)*
7
A
T
13
Tyr171(A) N
Trp415(A)
216(C) W
8
G
C
12
Arg172(A)* NE
Ile173(A) N
9
T
A
11
210(C) W
217(C) W
Arg172(A)* NH2
205(C) W
N Gly481(A)
NZ Lys664(A)
W 107(D)
MN Mn702(A)*
206(C) W
10
A
T
10
Thr201(A) OG1
W 109(D)
OD2 Asp546(A)
Asp660(A)
MN Mn702(A)*
MN Mn703(A)
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

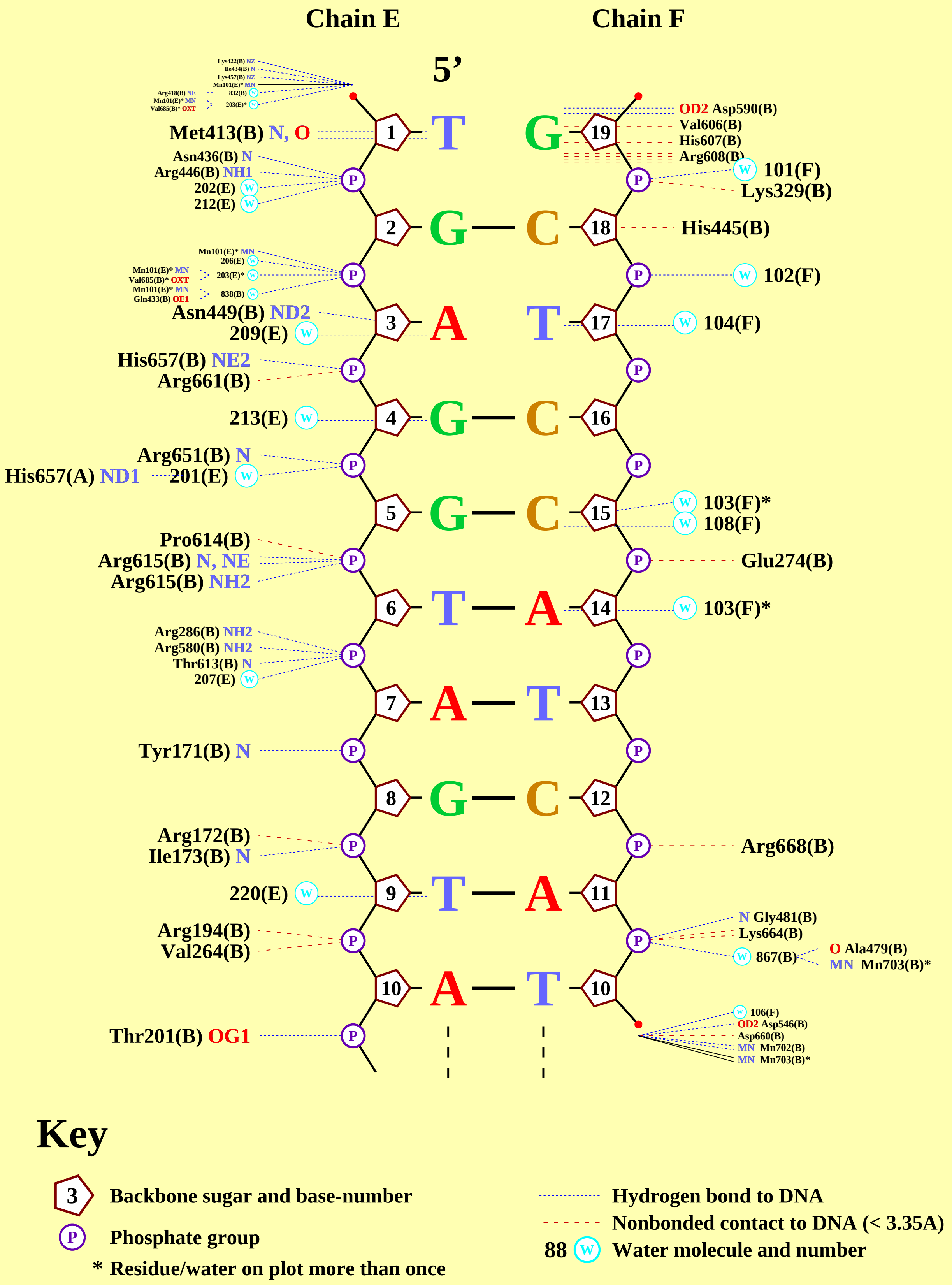
* Residue/water on plot more than once

········ Hydrogen bond to DNA

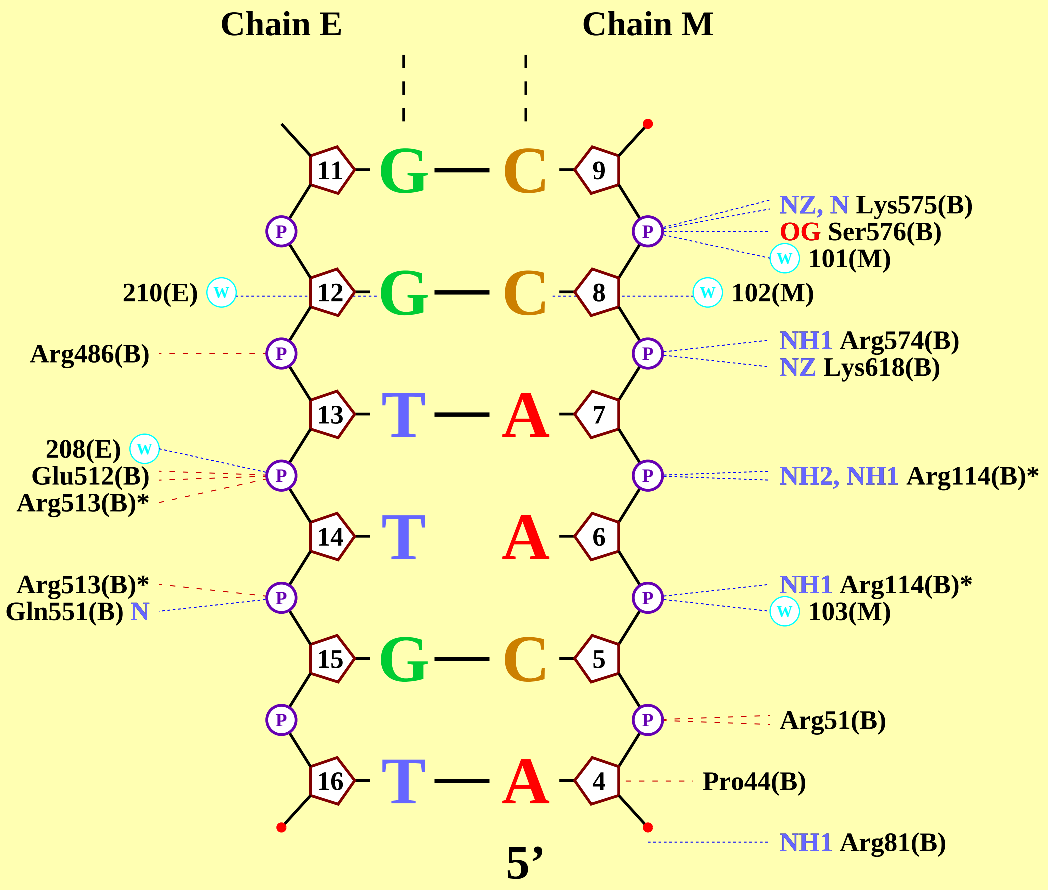
- - - - Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file


Chain E
Chain F
5’
Lys422(B) NZ
Ile434(B) N
Lys457(B) NZ
Mn101(E)* MN
Arg418(B) NE
Mn101(E)* MN
Val685(B)* OXT
832(B) W
203(E)* W
Met413(B) N, O
1
T
G
19
OD2 Asp590(B)
Val606(B)
His607(B)
Arg608(B)
Asn436(B) N
Arg446(B) NH1
202(E) W
212(E) W
P
P
W 101(F)
Lys329(B)
2
G
C
18
His445(B)
Mn101(E)* MN
206(E) W
Mn101(E)* MN
Val685(B)* OXT
203(E)* W
Mn101(E)* MN
Gln433(B) OE1
838(B) W
P
P
W 102(F)
Asn449(B) ND2
209(E) W
3
A
T
17
W 104(F)
His657(B) NE2
Arg661(B)
P
P
213(E) W
4
G
C
16
Arg651(B) N
His657(A) ND1
201(E) W
P
P
5
G
C
15
W 103(F)*
W 108(F)
Pro614(B)
Arg615(B) N, NE
Arg615(B) NH2
P
P
Glu274(B)
6
T
A
14
W 103(F)*
Arg286(B) NH2
Arg580(B) NH2
Thr613(B) N
207(E) W
P
P
7
A
T
13
Tyr171(B) N
P
P
8
G
C
12
Arg172(B)
Ile173(B) N
P
P
Arg668(B)
220(E) W
9
T
A
11
Arg194(B)
Val264(B)
P
P
N Gly481(B)
Lys664(B)
W 867(B)
O Ala479(B)
MN Mn703(B)*
10
A
T
10
Thr201(B) OG1
P
W 106(F)
OD2 Asp546(B)
Asp660(B)
MN Mn702(B)
MN Mn703(B)*
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

Ⓟ 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