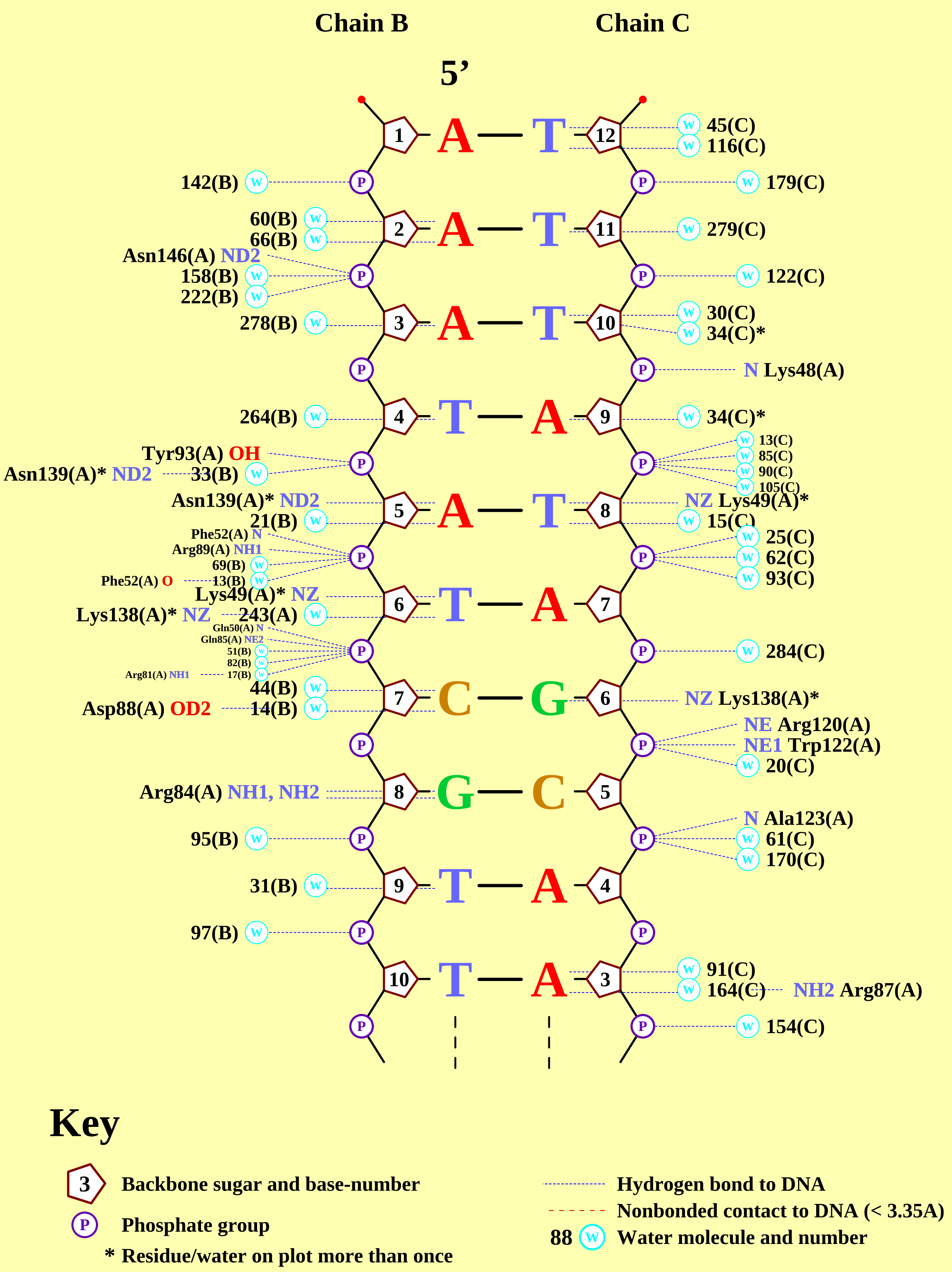
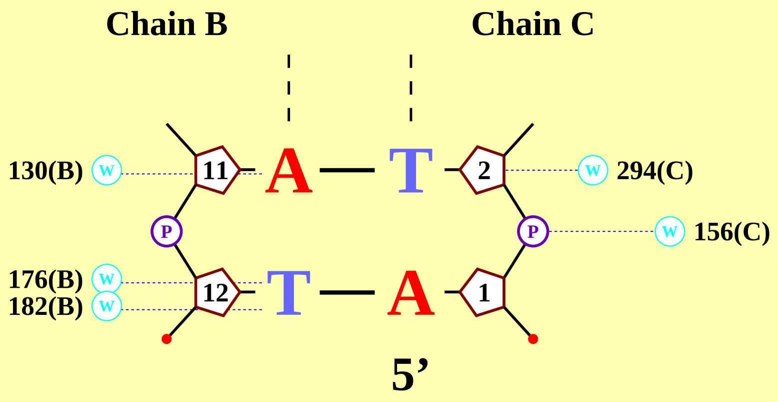

Chain B
Chain C
5’
1
A
T
12
45(C)
116(C)
142(B)
179(C)
60(B)
66(B)
2
A
T
11
279(C)
Asn146(A) ND2
158(B)
222(B)
122(C)
278(B)
3
A
T
10
30(C)
34(C)*
N Lys48(A)
264(B)
4
T
A
9
34(C)*
Tyr93(A) OH
Asn139(A)* ND2
33(B)
13(C)
85(C)
90(C)
105(C)
Asn139(A)* ND2
21(B)
5
A
T
8
NZ Lys49(A)*
15(C)
Phe52(A) N
Arg89(A) NH1
69(B)
Phe52(A) O
13(B)
25(C)
62(C)
93(C)
Lys49(A)* NZ
Lys138(A)* NZ
243(A)
6
T
A
7
Gln50(A) N
Gln85(A) NE2
51(B)
82(B)
Arg81(A) NH1
17(B)
284(C)
44(B)
Asp88(A) OD2
14(B)
7
C
G
6
NZ Lys138(A)*
NE Arg120(A)
NE1 Trp122(A)
20(C)
Arg84(A) NH1, NH2
8
G
C
5
N Ala123(A)
95(B)
61(C)
170(C)
31(B)
9
T
A
4
97(B)
10
T
A
3
91(C)
164(C)
NH2 Arg87(A)
154(C)
P
W
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

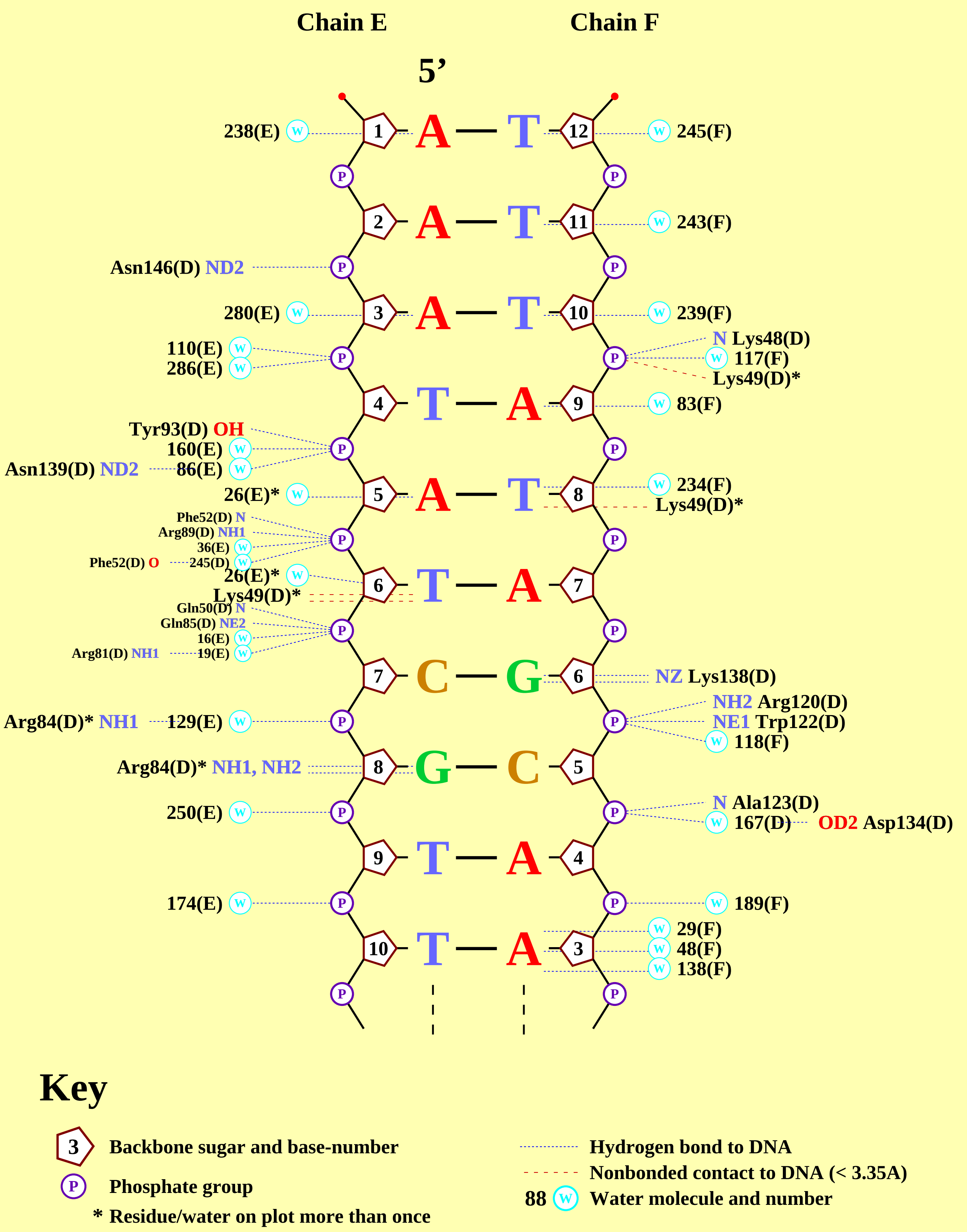
* Residue/water on plot more than once

Hydrogen bond to DNA

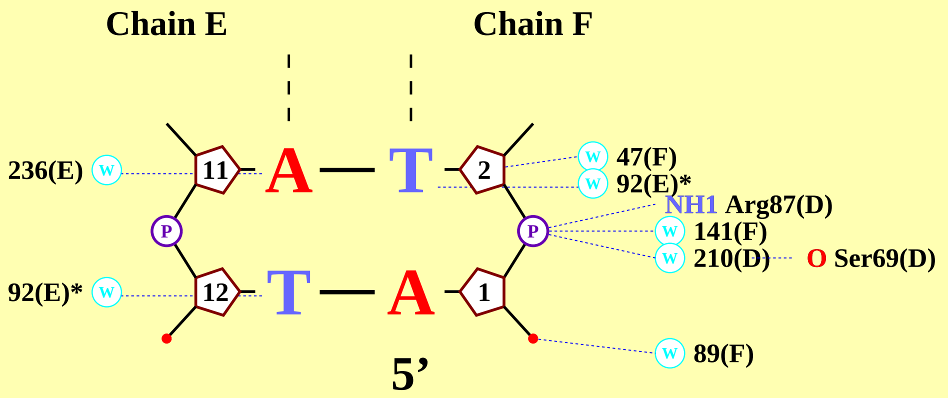
Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file


Chain E
Chain F
5'
238(E) W 1 A — T 12 W 245(F)
P P
2 A — T 11 W 243(F)
Asn146(D) ND2 P P
280(E) W 3 A — T 10 W 239(F)
110(E) W
286(E) W
P
N Lys48(D)
W 117(F)
Lys49(D)*
4 T — A 9 W 83(F)
Tyr93(D) OH
160(E) W
Asn139(D) ND2 86(E) W
P P
26(E)* W 5 A — T 8 W 234(F)
Lys49(D)*
Phe52(D) N
Arg89(D) NH1
36(E) W
Phe52(D) O 245(D) W
P P
26(E)* W
Lys49(D)*
6 T — A 7
Gln50(D) N
Gln85(D) NE2
16(E) W
Arg81(D) NH1 19(E) W
P P
7 C — G 6 NZ Lys138(D)
Arg84(D)* NH1 129(E) W P
P NH2 Arg120(D)
NE1 Trp122(D)
W 118(F)
Arg84(D)* NH1, NH2 8 G — C 5
250(E) W P
P N Ala123(D)
W 167(D) OD2 Asp134(D)
9 T — A 4
174(E) W P
P W 189(F)
10 T — A 3
W 29(F)
W 48(F)
W 138(F)
P 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



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