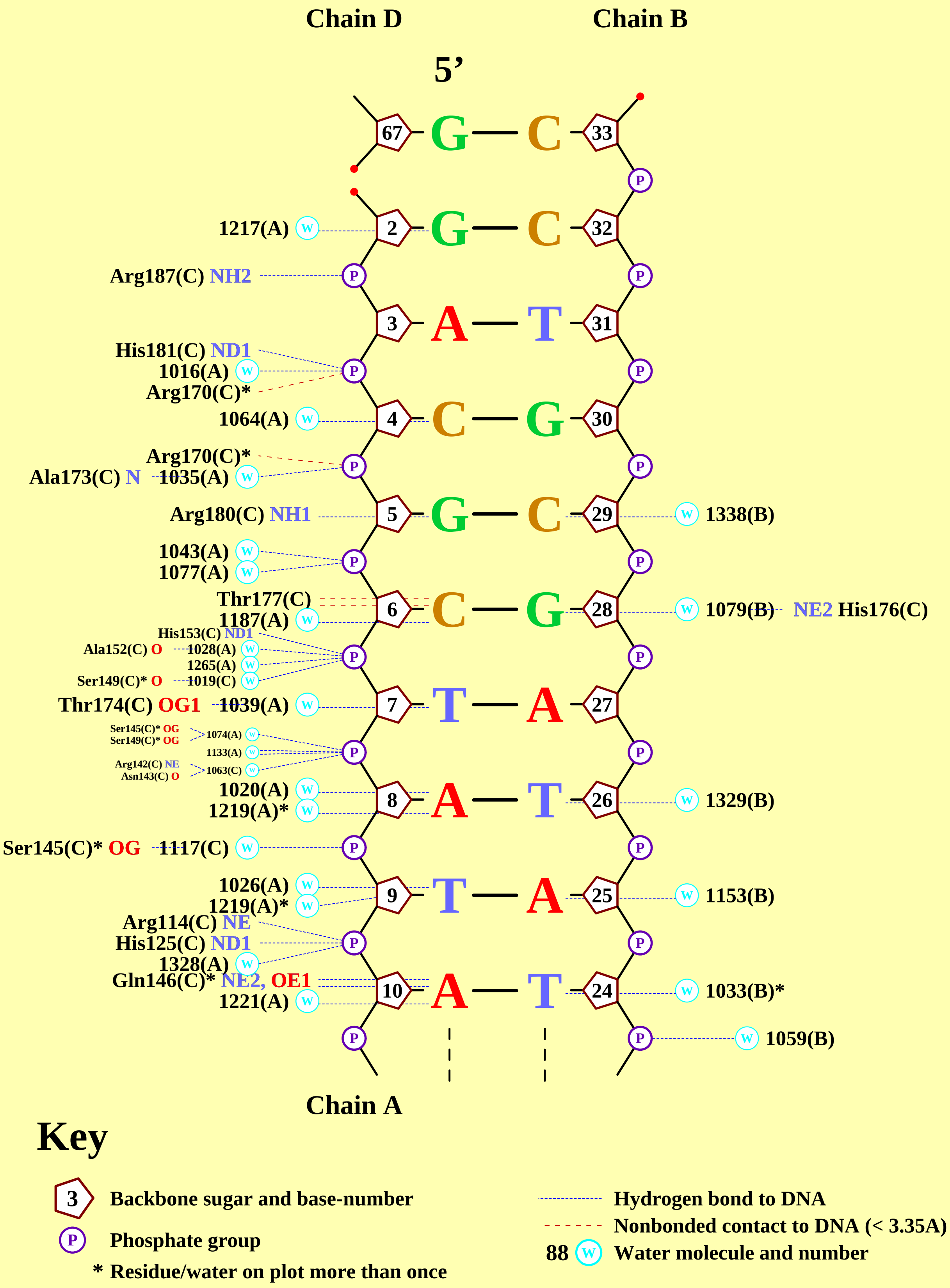
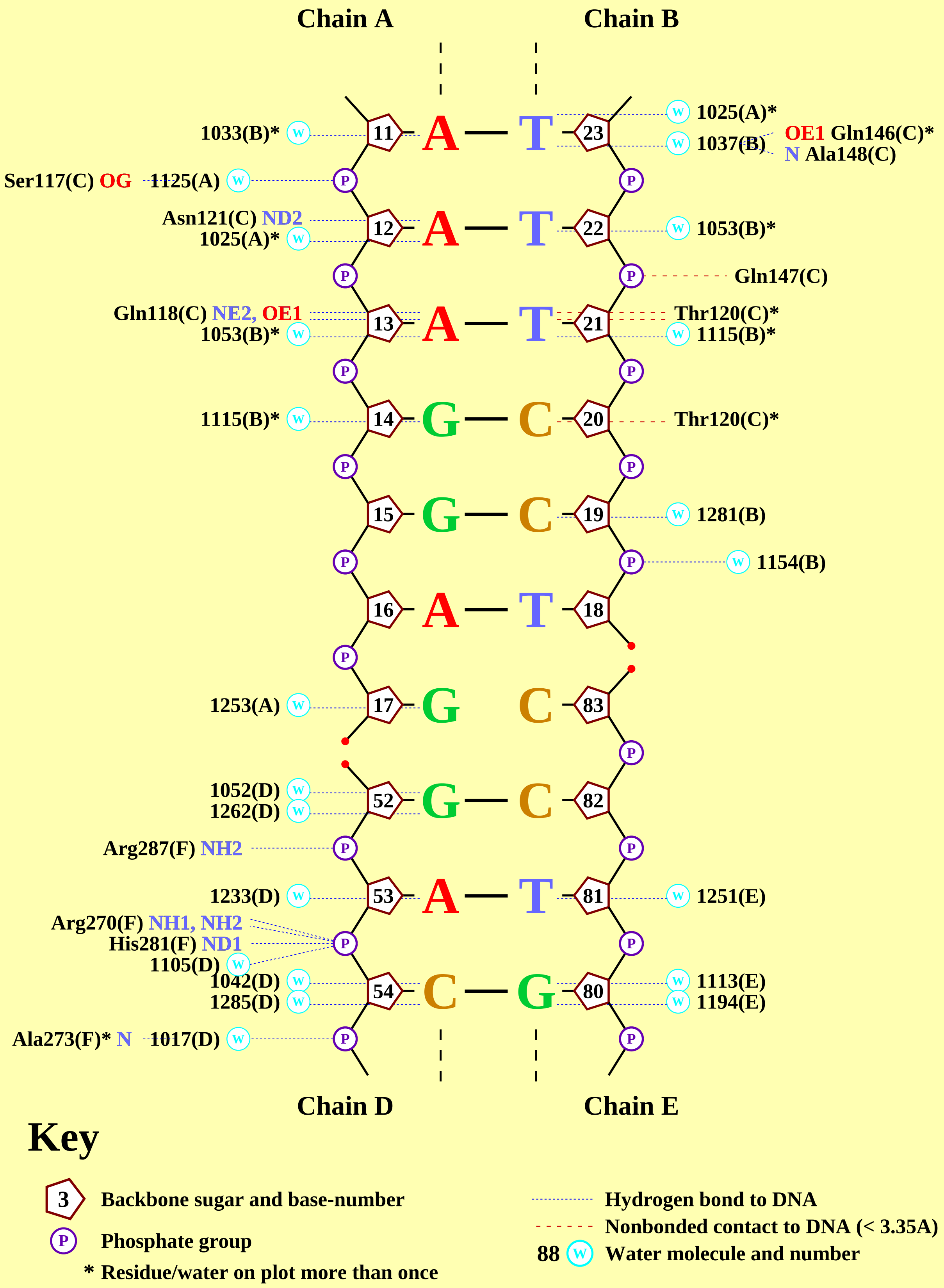
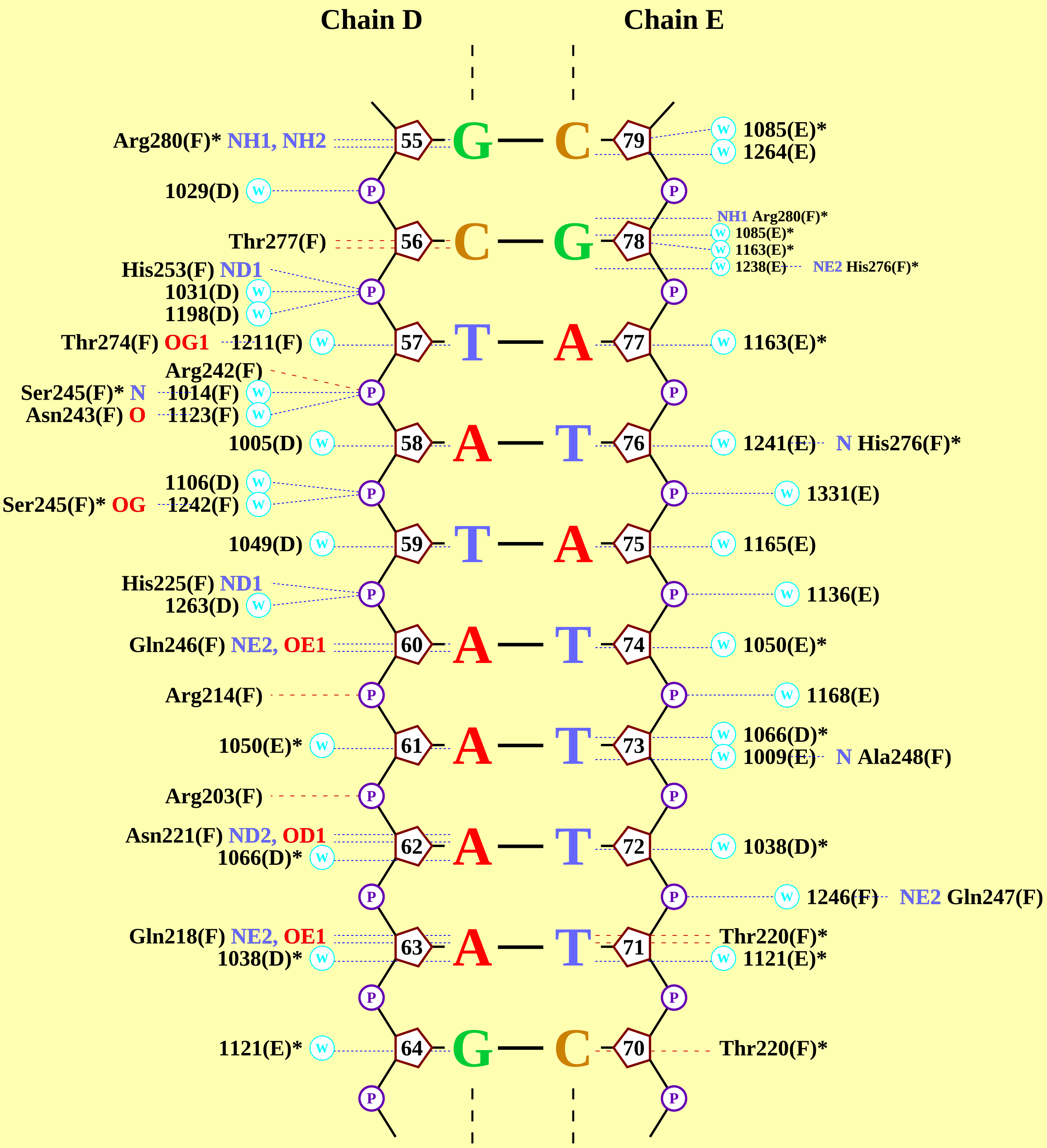

Chain D
Chain B
5’
67
G
C
33
P
1217(A)
W
2
G
C
32
Arg187(C) NH2
P
P
3
A
T
31
His181(C) ND1
1016(A)
W
Arg170(C)*
P
P
1064(A)
W
4
C
G
30
Arg170(C)*
Ala173(C) N
1035(A)
W
P
P
Arg180(C) NH1
5
G
C
29
W
1338(B)
1043(A)
W
1077(A)
W
P
P
Thr177(C)
1187(A)
W
6
C
G
28
W
1079(B)
NE2 His176(C)
His153(C) ND1
Ala152(C) O
1028(A)
W
1265(A)
W
Ser149(C)* O
1019(C)
W
P
P
Thr174(C) OG1
1039(A)
W
7
T
A
27
Ser145(C)* OG
Ser149(C)* OG
1074(A)
W
1133(A)
W
Arg142(C) NE
Asn143(C) O
1063(C)
W
P
P
1020(A)
W
1219(A)*
W
8
A
T
26
W
1329(B)
Ser145(C)* OG
1117(C)
W
P
P
1026(A)
W
1219(A)*
W
9
T
A
25
W
1153(B)
Arg114(C) NE
His125(C) ND1
1328(A)
W
P
P
Gln146(C)* NE2, OE1
1221(A)
W
10
A
T
24
W
1033(B)*
P
P
W
1059(B)
Chain 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


Chain A
Chain B
1033(B)*
11
A
T
23
1025(A)*
1037(B)
OE1 Gln146(C)*
N Ala148(C)
Ser117(C) OG
1125(A)
P
P
Asn121(C) ND2
1025(A)*
12
A
T
22
1053(B)*
P
P
Gln147(C)
Gln118(C) NE2, OE1
1053(B)*
13
A
T
21
Thr120(C)*
1115(B)*
P
P
1115(B)*
14
G
C
20
Thr120(C)*
P
P
15
G
C
19
1281(B)
P
P
1154(B)
16
A
T
18
P
1253(A)
17
G
C
83
P
1052(D)
1262(D)
52
G
C
82
Arg287(F) NH2
P
P
1233(D)
53
A
T
81
1251(E)
Arg270(F) NH1, NH2
His281(F) ND1
1105(D)
P
P
1042(D)
1285(D)
54
C
G
80
1113(E)
1194(E)
Ala273(F)* N
1017(D)
P
P
Chain D
Chain E
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

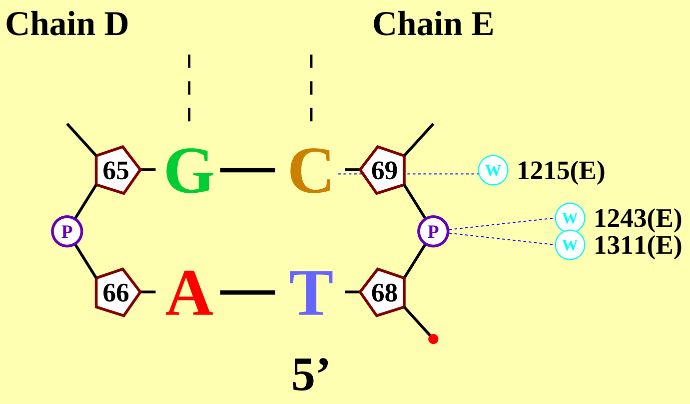
* Residue/water on plot more than once

Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file



Key

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