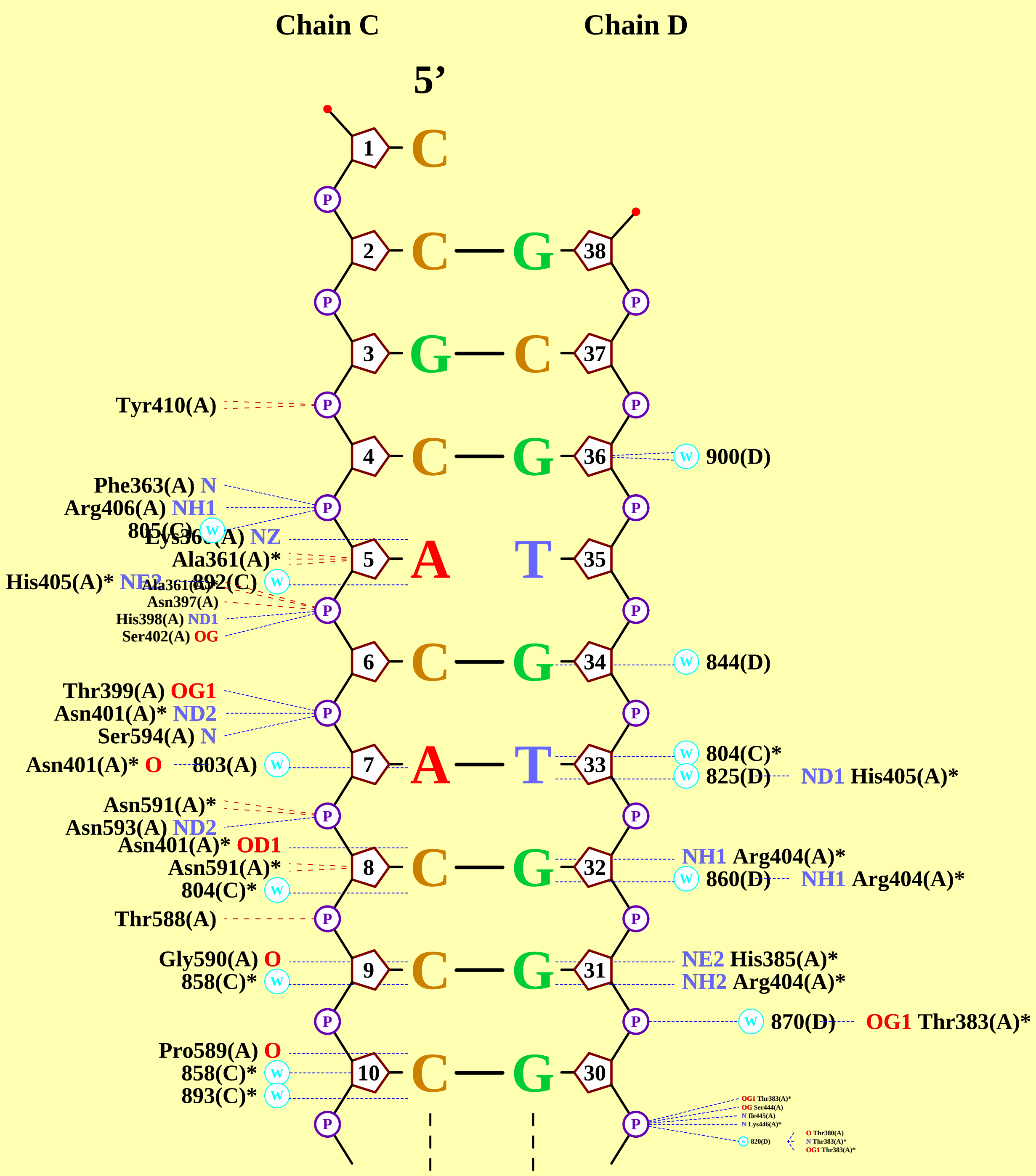


Key

3 Backbone sugar and base-number

P Phosphate group

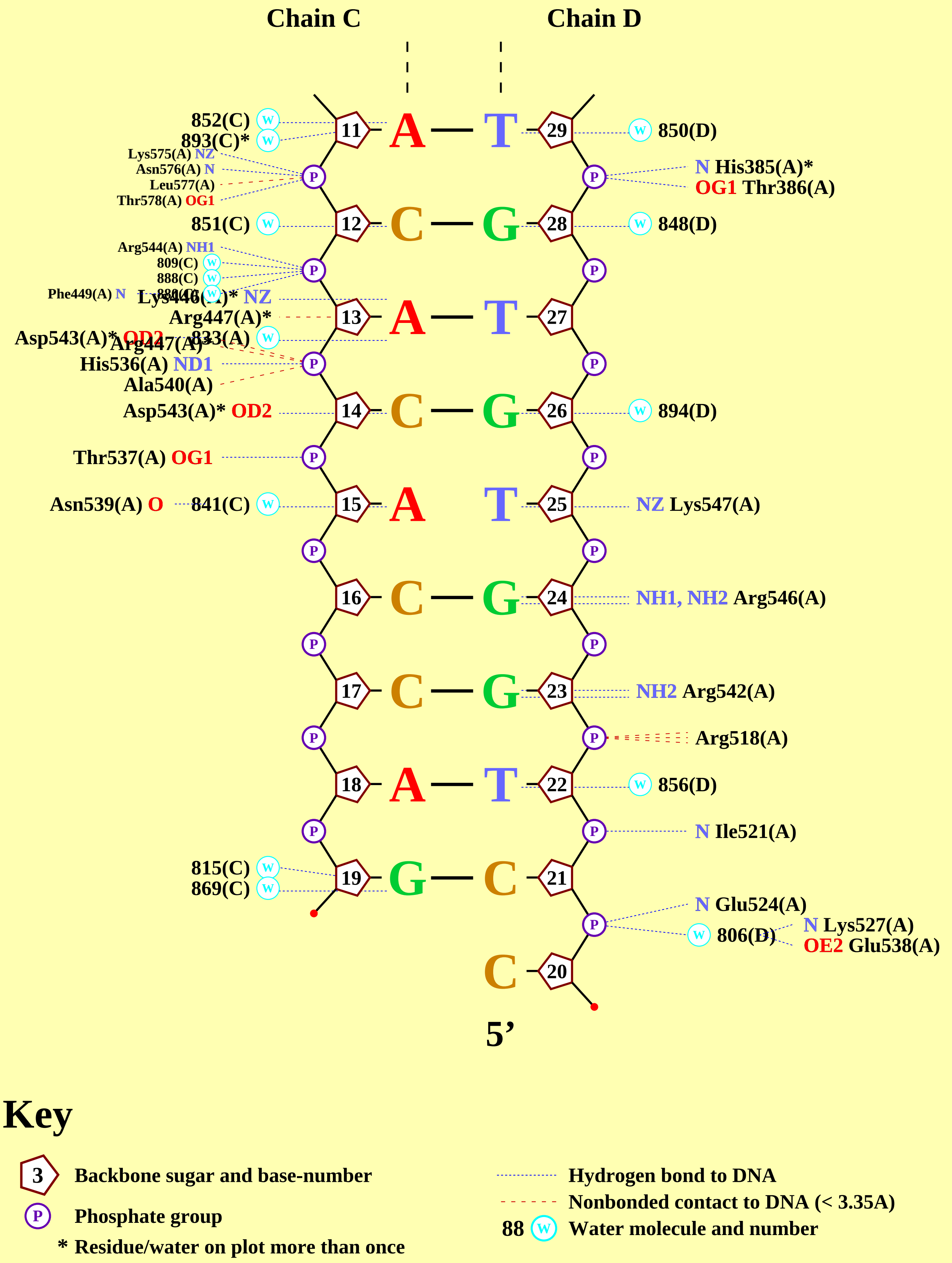
* Residue/water on plot more than once

Hydrogen bond to DNA

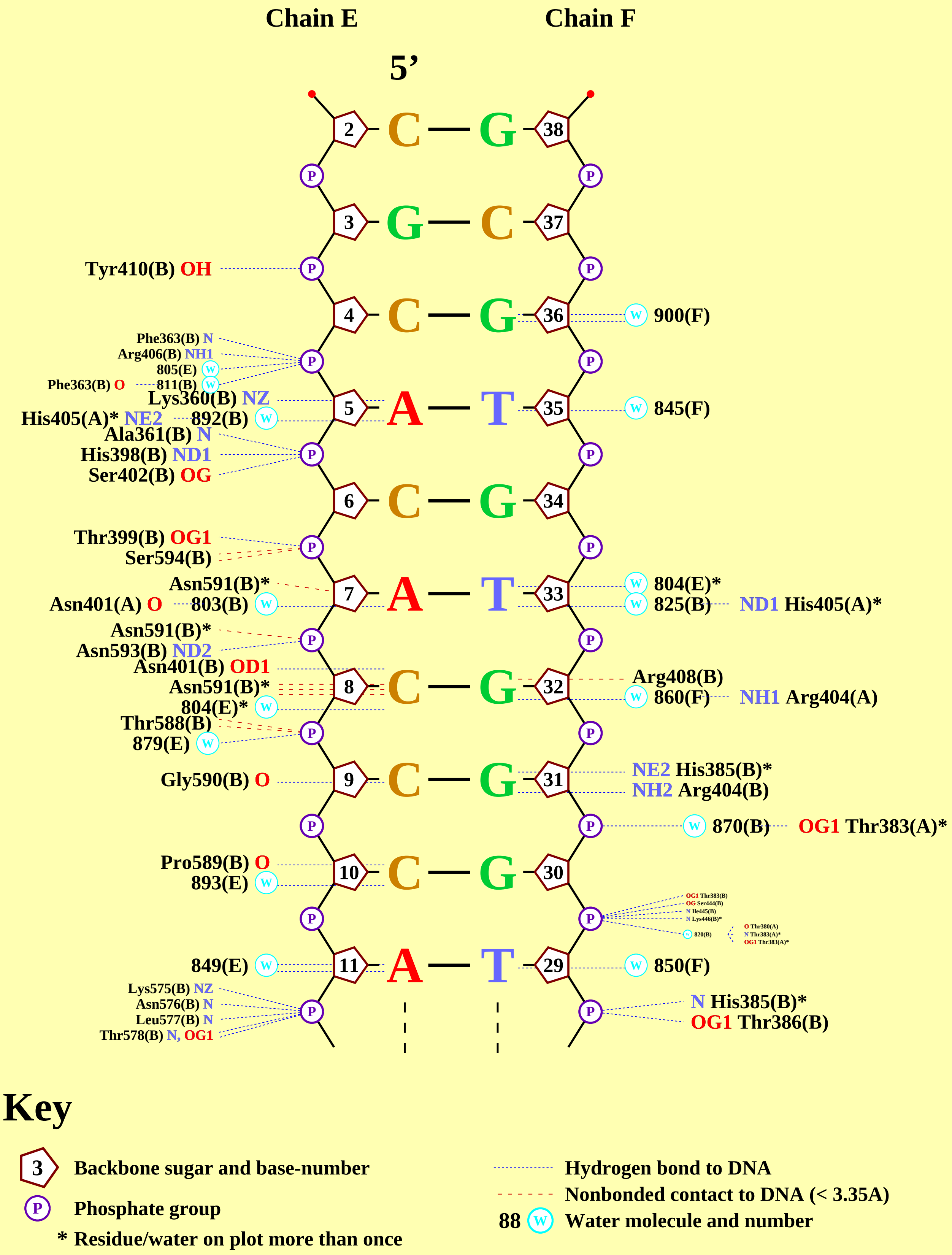
Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file


Chain C
Chain D
852(C)
893(C)*
Lys575(A) NZ
Asn576(A) N
Leu577(A)
Thr578(A) OG1
851(C)
Arg544(A) NH1
809(C)
888(C)
Phe449(A) N
880(C)
Lys446(A)* NZ
Arg447(A)*
Asp543(A)* OD2
Arg447(A)*
833(A)
His536(A) ND1
Ala540(A)
Asp543(A)* OD2
Thr537(A) OG1
Asn539(A) O
841(C)
815(C)
869(C)
11
12
13
14
15
16
17
18
19
A
C
A
C
A
C
C
A
G
T
G
T
G
T
G
G
T
C
C
29
28
27
26
25
24
23
22
21
20
P
850(D)
N His385(A)*
OG1 Thr386(A)
848(D)
894(D)
NZ Lys547(A)
NH1, NH2 Arg546(A)
NH2 Arg542(A)
Arg518(A)
856(D)
N Ile521(A)
N Glu524(A)
806(D)
N Lys527(A)
OE2 Glu538(A)
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


Chain E
Chain F
5’
2 C — G 38
3 G — C 37
4 C — G 36
5 A — T 35
6 C — G 34
7 A — T 33
8 C — G 32
9 C — G 31
10 C — G 30
11 A — T 29
P
Tyr410(B) OH
Phe363(B) N
Arg406(B) NH1
805(E) W
Phe363(B) O
811(B) W
Lys360(B) NZ
His405(A)* NE2
892(B) W
Ala361(B) N
His398(B) ND1
Ser402(B) OG
Thr399(B) OG1
Ser594(B)
Asn591(B)*
Asn401(A) O
803(B) W
Asn591(B)*
Asn593(B) ND2
Asn401(B) OD1
Asn591(B)*
804(E)* W
Thr588(B)
879(E) W
Gly590(B) O
Pro589(B) O
893(E) W
849(E) W
Lys575(B) NZ
Asn576(B) N
Leu577(B) N
Thr578(B) N, OG1
W 900(F)
W 845(F)
W 804(E)*
W 825(B)
ND1 His405(A)*
Arg408(B)
W 860(F)
NH1 Arg404(A)
NE2 His385(B)*
NH2 Arg404(B)
W 870(B)
OG1 Thr383(A)*
OG1 Thr383(B)
OG Ser444(B)
N Ile445(B)
N Lys446(B)*
W 820(B)
O Thr380(A)
N Thr383(A)*
OG1 Thr383(A)*
W 850(F)
N His385(B)*
OG1 Thr386(B)
Key
3 Backbone sugar and base-number
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Hydrogen bond to DNA
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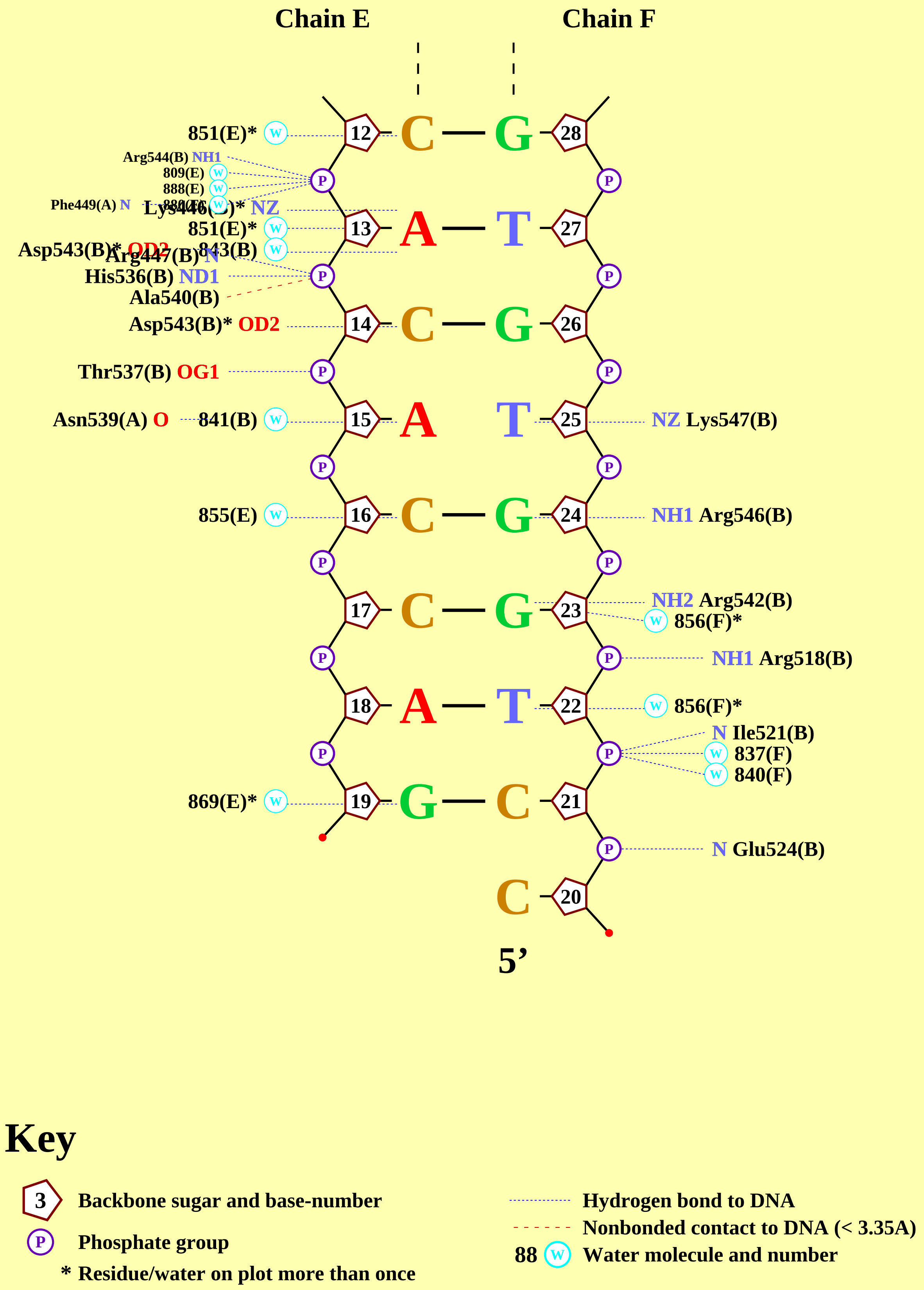
file


Chain E
Chain F
851(E)* W
12 C — G 28
Arg544(B) NH1
809(E) W
888(E) W
Phe449(A) N
Lys446(E)* NZ
880(E) W
851(E)* W
13 A — T 27
Asp543(B)* OD2
Arg447(B) N
843(B) W
His536(B) ND1
Ala540(B)
Asp543(B)* OD2
14 C — G 26
Thr537(B) OG1
Asn539(A) O
841(B) W
15 A T 25
NZ Lys547(B)
855(E) W
16 C — G 24
NH1 Arg546(B)
17 C — G 23
NH2 Arg542(B)
W 856(F)*
NH1 Arg518(B)
18 A — T 22
W 856(F)*
N Ile521(B)
W 837(F)
W 840(F)
869(E)* W
19 G — C 21
N Glu524(B)
C 20
5’
P
Key
3 Backbone sugar and base-number
P Phosphate group
* Residue/water on plot more than once
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