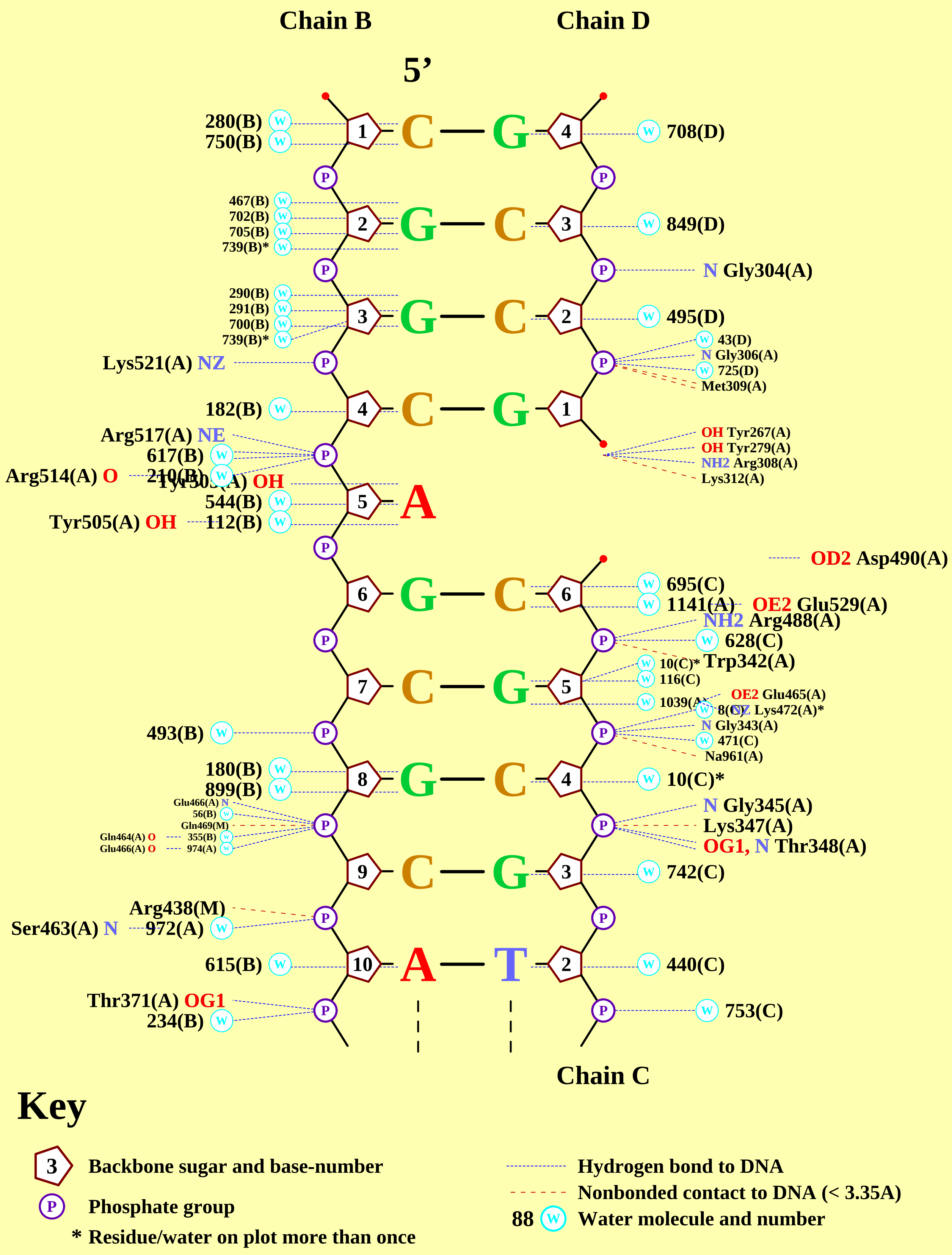
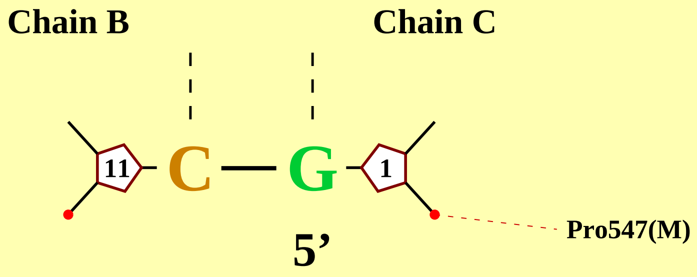
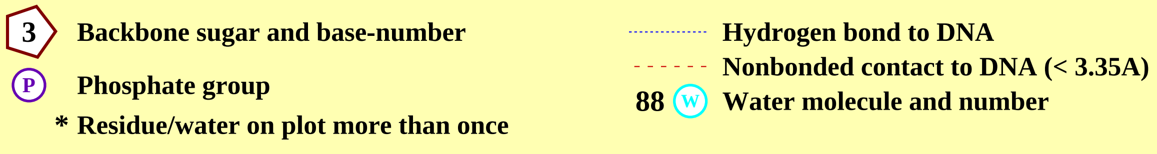

Chain B
Chain D
5’
280(B)
750(B)
1
C
G
4
708(D)
467(B)
702(B)
705(B)
739(B)*
2
G
C
3
849(D)
N Gly304(A)
290(B)
291(B)
700(B)
739(B)*
3
G
C
2
495(D)
43(D)
N Gly306(A)
725(D)
Met309(A)
Lys521(A) NZ
182(B)
4
C
G
1
OH Tyr267(A)
OH Tyr279(A)
NH2 Arg308(A)
Lys312(A)
Arg517(A) NE
617(B)
Arg514(A) O
210(B)
544(B)
5
A
Tyr505(A) OH
112(B)
OD2 Asp490(A)
6
G
C
6
695(C)
1141(A)
OE2 Glu529(A)
NH2 Arg488(A)
628(C)
10(C)* Trp342(A)
116(C)
7
C
G
5
1039(A)
OE2 Glu465(A)
Lys472(A)*
N Gly343(A)
471(C)
Na961(A)
493(B)
180(B)
899(B)
8
G
C
4
10(C)*
Glu466(A) N
56(B)
Gln469(M)
Gln464(A) O
355(B)
Glu466(A) O
974(A)
N Gly345(A)
Lys347(A)
OG1, N Thr348(A)
9
C
G
3
742(C)
Arg438(M)
Ser463(A) N
972(A)
615(B)
10
A
T
2
440(C)
Thr371(A) OG1
234(B)
753(C)
Chain C
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



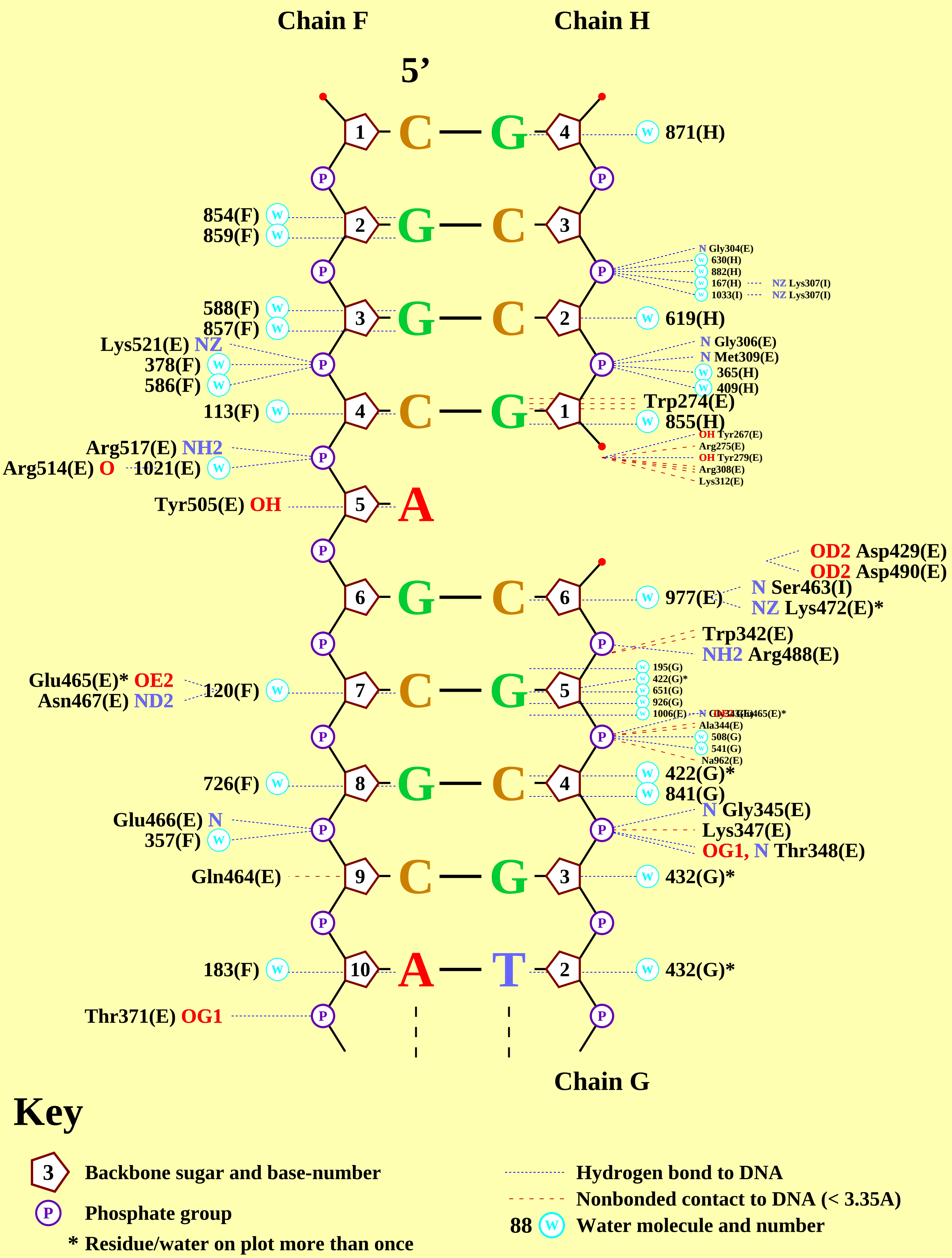
Chain B
Chain C
11
C
G
1
5’
Pro547(M)

Key



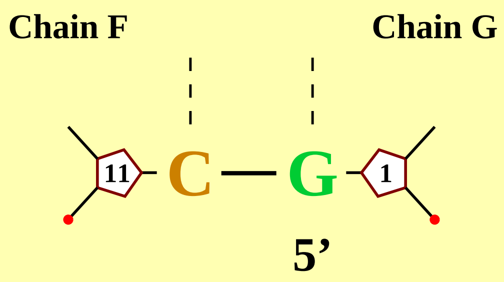
3
Backbone sugar and base-number
P
Phosphate group
* Residue/water on plot more than once
Hydrogen bond to DNA
Nonbonded contact to DNA (< 3.35A)
88
W
Water molecule and number

file

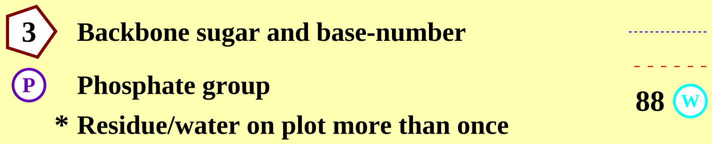


Chain F
Chain H
5’
C — G
G — C
G — C
C — G
A
G — C
C — G
G — C
C — G
A — T
871(H)
854(F)
859(F)
N Gly304(E)
630(H)
882(H)
167(H) NZ Lys307(I)
1033(I) NZ Lys307(I)
588(F)
857(F)
619(H)
Lys521(E) NZ
378(F)
586(F)
N Gly306(E)
N Met309(E)
365(H)
409(H)
113(F)
Trp274(E)
855(H)
OH Tyr267(E)
Arg275(E)
OH Tyr279(E)
Arg308(E)
Lys312(E)
Arg517(E) NH2
Arg514(E) O
1021(E)
Tyr505(E) OH
OD2 Asp429(E)
OD2 Asp490(E)
977(E)
N Ser463(I)
NZ Lys472(E)*
Trp342(E)
NH2 Arg488(E)
195(G)
422(G)*
651(G)
926(G)
1006(E)
Glu465(E)* OE2
Asn467(E) ND2
120(F)
Ala344(E)
508(G)
541(G)
Na962(E)
726(F)
422(G)*
841(G)
Glu466(E) N
357(F)
N Gly345(E)
Lys347(E)
OG1, N Thr348(E)
Gln464(E)
432(G)*
183(F)
432(G)*
Thr371(E) OG1
Chain G
Key
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



Key



Backbone sugar and base-number

Phosphate group

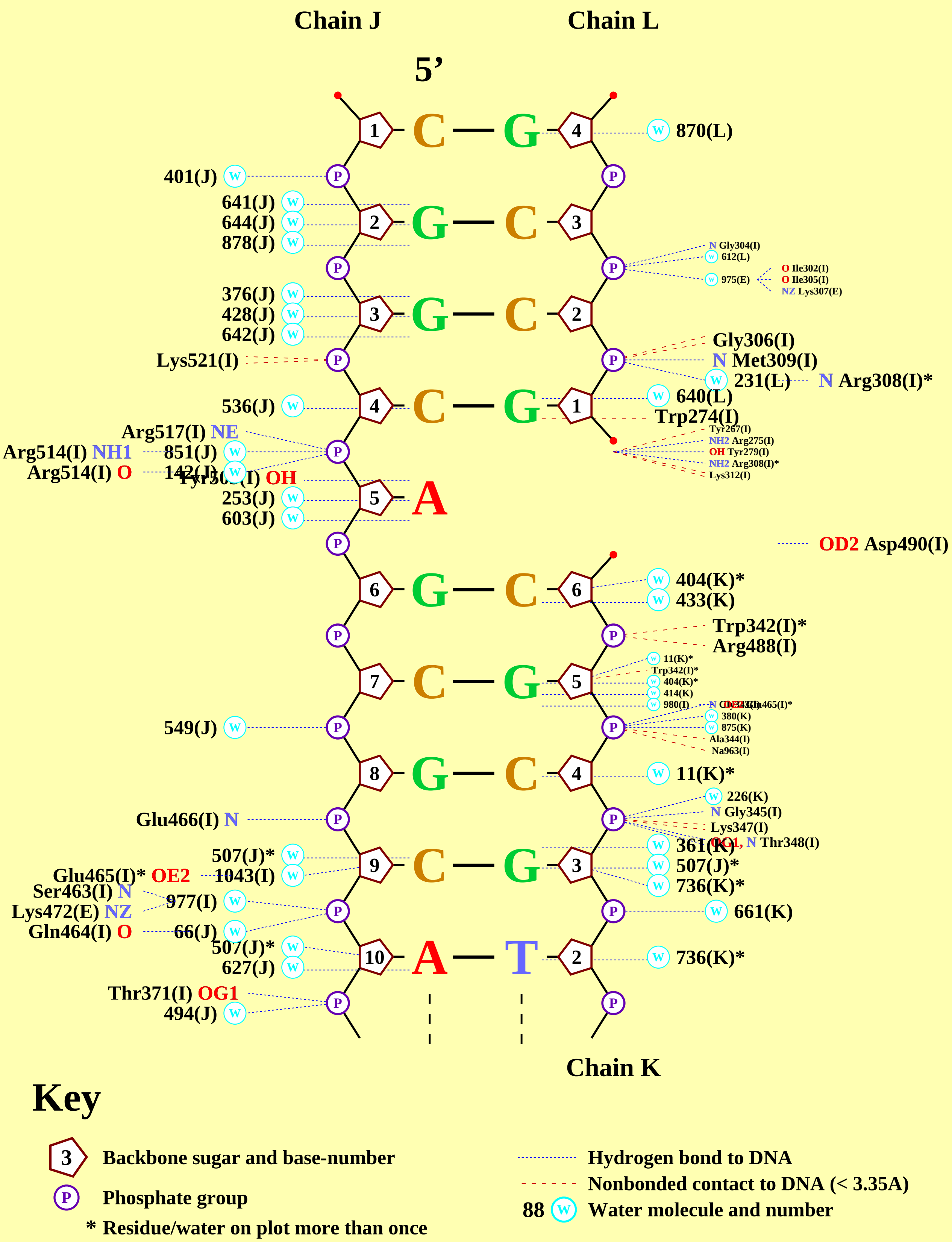
* Residue/water on plot more than once

Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

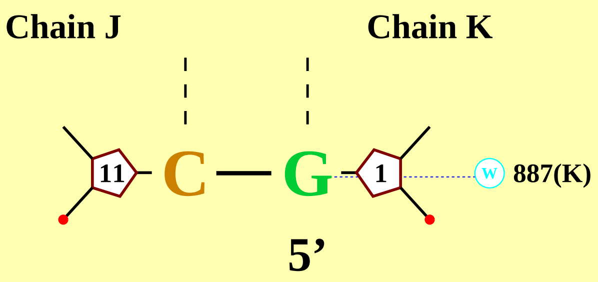
88 Water molecule and number

file



Chain J
Chain L
5’
C — G
G — C
G — C
C — G
A
G — C
C — G
G — C
C — G
A — T
Chain K
870(L)
401(J)
641(J)
644(J)
878(J)
376(J)
428(J)
642(J)
Lys521(I)
Gly306(I)
N Met309(I)
231(L)
N Arg308(I)*
640(L)
Trp274(I)
536(J)
Arg517(I) NE
Arg514(I) NH1
851(J)
Arg514(I) O
142(J)
Tyr30_(I) OH
253(J)
603(J)
OD2 Asp490(I)
404(K)*
433(K)
Trp342(I)*
Arg488(I)
549(J)
11(K)*
Glu466(I) N
226(K)
N Gly345(I)
Lys347(I)
361(K)
OG1, N Thr348(I)
507(J)*
1043(I)
Glu465(I)* OE2
507(J)*
736(K)*
Ser463(I) N
977(I)
Lys472(E) NZ
661(K)
Gln464(I) O
66(J)
507(J)*
627(J)
736(K)*
Thr371(I) OG1
494(J)
Key
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



Key

3 Backbone sugar and base-number

P Phosphate group

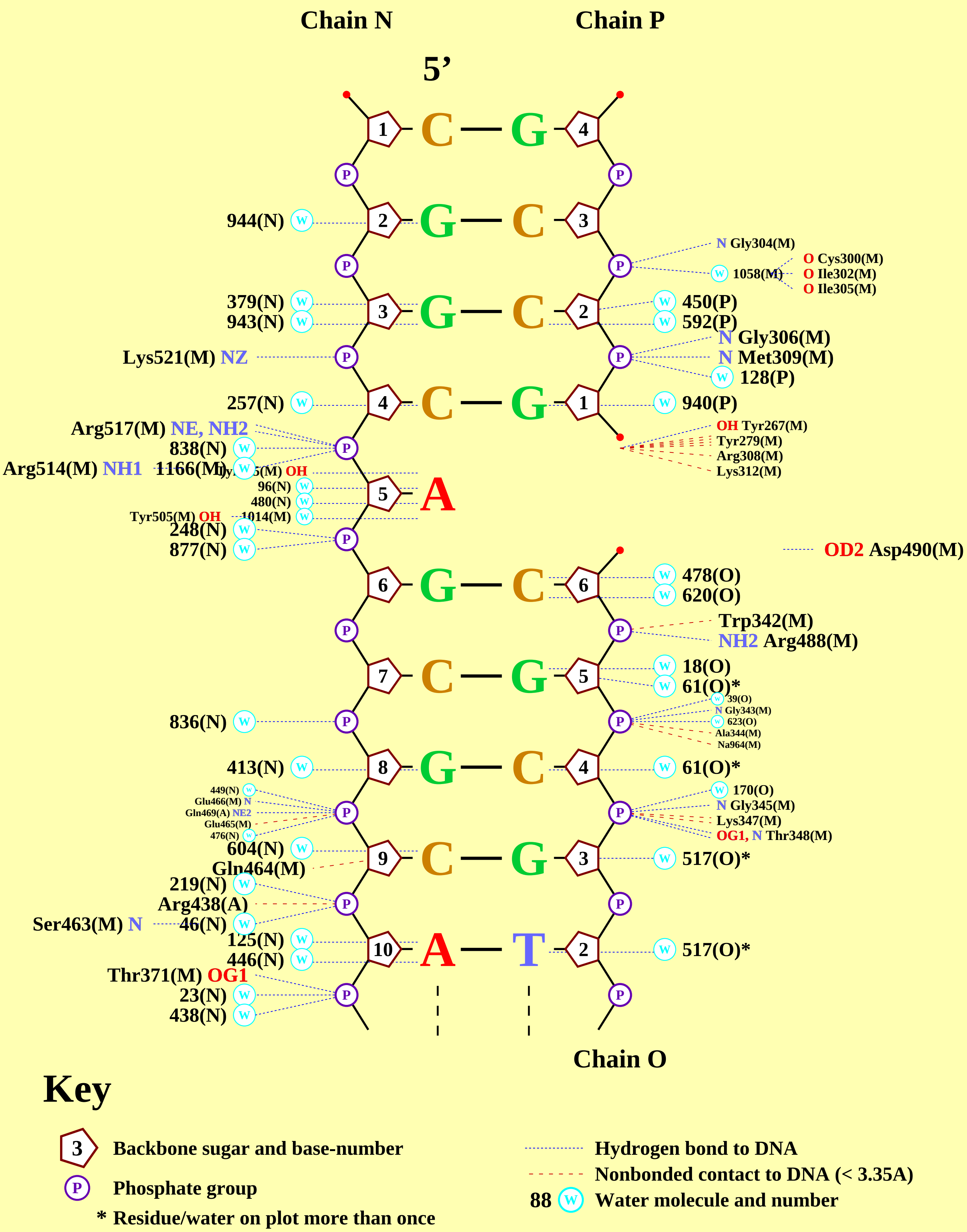
* Residue/water on plot more than once

Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

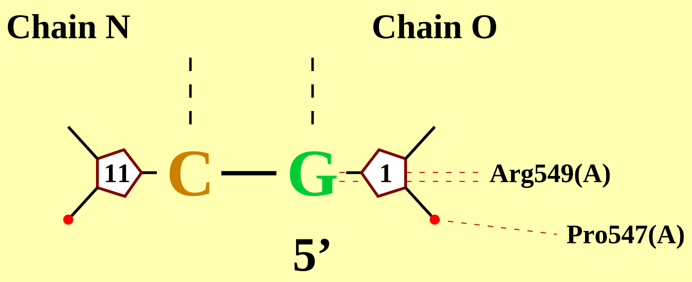
88 W Water molecule and number

file



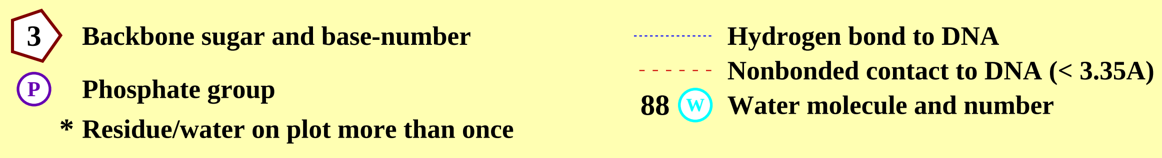
Chain N
Chain P
5’
C — G
G — C
G — C
C — G
A
G — C
C — G
G — C
C — G
A — T
Chain O
944(N)
379(N)
943(N)
Lys521(M) NZ
257(N)
Arg517(M) NE, NH2
838(N)
Arg514(M) NH1
1166(M)
96(N)
480(N)
Tyr505(M) OH
248(N)
877(N)
836(N)
413(N)
449(N)
Glu466(M) N
Gln469(A) NE2
Glu465(M)
476(N)
604(N)
Gln464(M)
219(N)
Arg438(A)
Ser463(M) N
46(N)
125(N)
446(N)
Thr371(M) OG1
23(N)
438(N)
N Gly304(M)
1058(M)
O Cys300(M)
O Ile302(M)
O Ile305(M)
450(P)
592(P)
N Gly306(M)
N Met309(M)
128(P)
940(P)
OH Tyr267(M)
Tyr279(M)
Arg308(M)
Lys312(M)
OD2 Asp490(M)
478(O)
620(O)
Trp342(M)
NH2 Arg488(M)
18(O)
61(O)*
39(O)
N Gly343(M)
623(O)
Ala344(M)
Na964(M)
61(O)*
170(O)
N Gly345(M)
Lys347(M)
OG1, N Thr348(M)
517(O)*
517(O)*
Key
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



Chain N
Chain O
11
C
G
1
Arg549(A)
Pro547(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