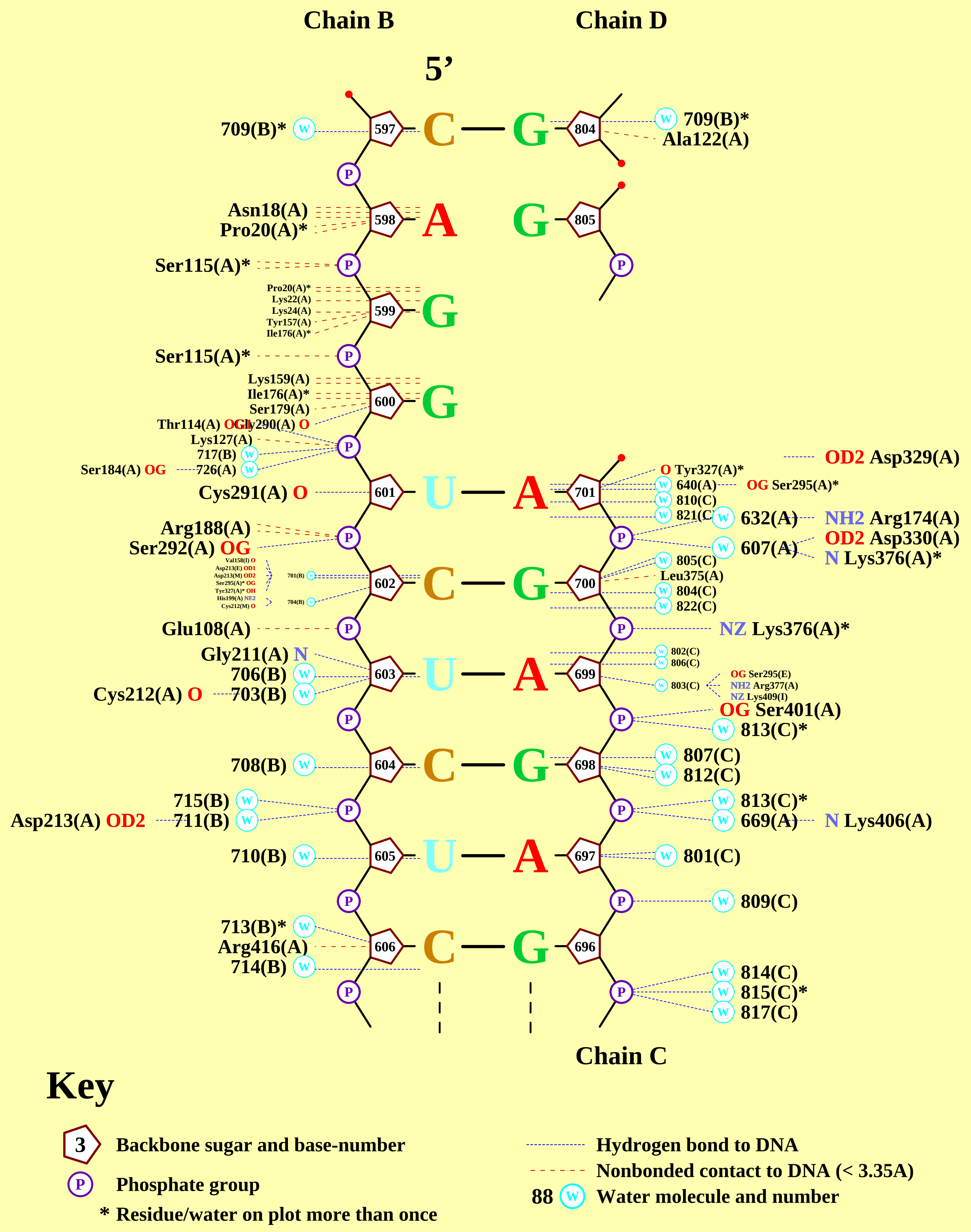
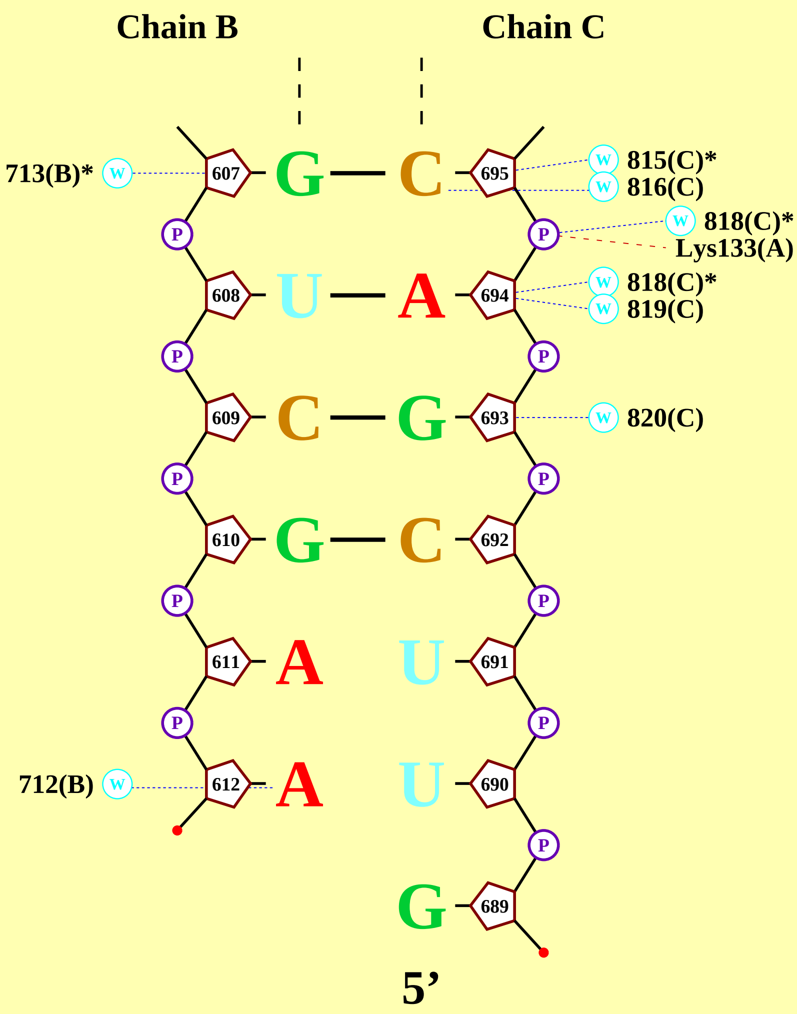


Chain B
Chain D
5’
709(B)*
597
C
G
804
709(B)*
Ala122(A)
Asn18(A)
Pro20(A)*
598
A
G
805
Ser115(A)*
Pro20(A)*
Lys22(A)
Lys24(A)
Tyr157(A)
Ile176(A)*
599
G
Ser115(A)*
Lys159(A)
Ile176(A)*
Ser179(A)
600
G
Thr114(A) OG
Gly290(A) O
Lys127(A)
717(B)
Ser184(A) OG
726(A)
Cys291(A) O
601
U
A
701
O Tyr327(A)*
640(A)
OG Ser295(A)*
810(C)
821(C)
632(A)
NH2 Arg174(A)
OD2 Asp329(A)
Arg188(A)
Ser292(A) OG
607(A)
OD2 Asp330(A)
N Lys376(A)*
602
C
G
700
805(C)
Leu375(A)
804(C)
822(C)
Glu108(A)
NZ Lys376(A)*
Gly211(A) N
706(B)
Cys212(A) O
703(B)
603
U
A
699
802(C)
806(C)
803(C)
OG Ser295(E)
NH2 Arg377(A)
NZ Lys409(I)
OG Ser401(A)
813(C)*
708(B)
604
C
G
698
807(C)
812(C)
715(B)
Asp213(A) OD2
711(B)
813(C)*
669(A)
N Lys406(A)
710(B)
605
U
A
697
801(C)
809(C)
713(B)*
Arg416(A)
714(B)
606
C
G
696
814(C)
815(C)*
817(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



Key

3 Backbone sugar and base-number

P Phosphate group

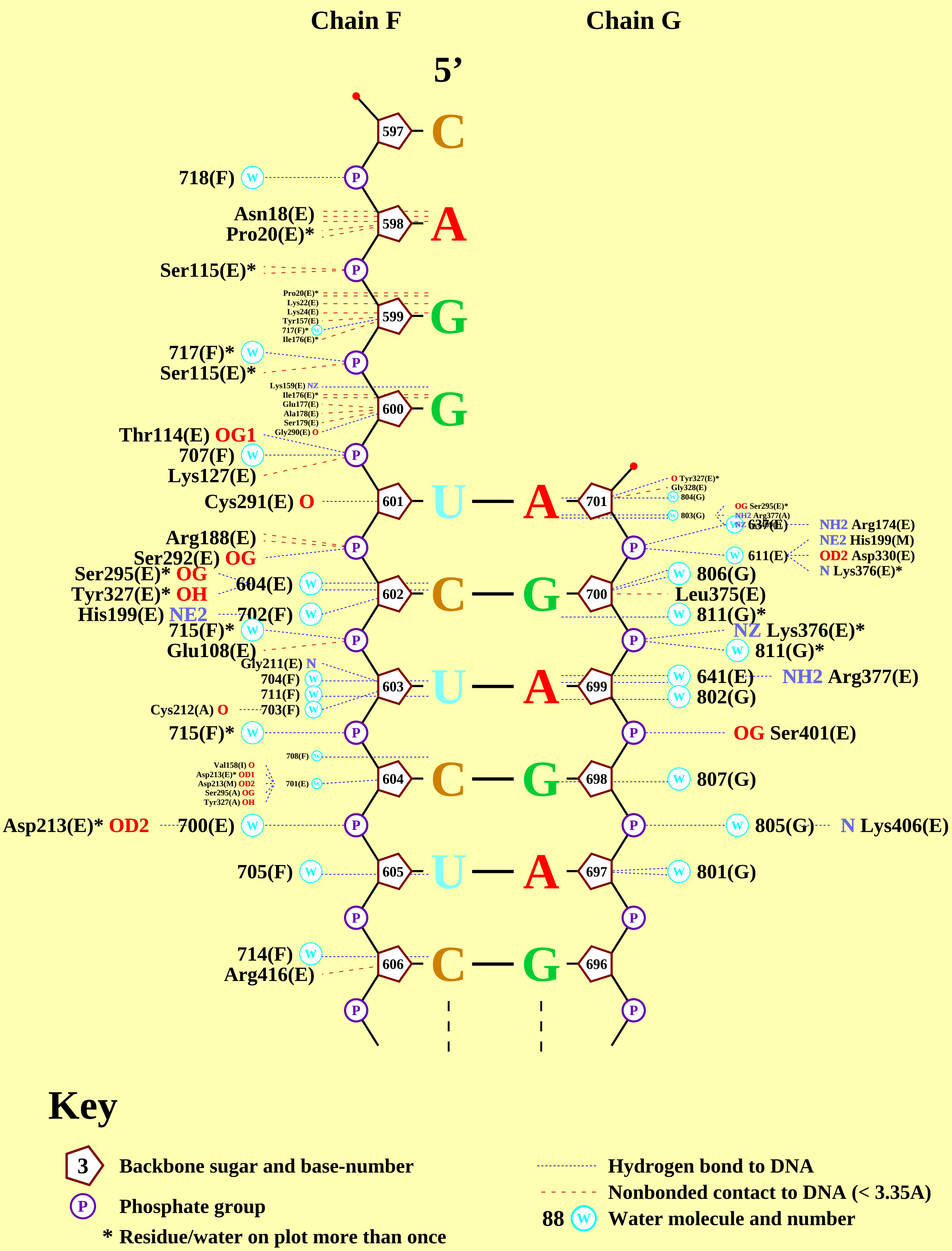
* Residue/water on plot more than once

Hydrogen bond to DNA

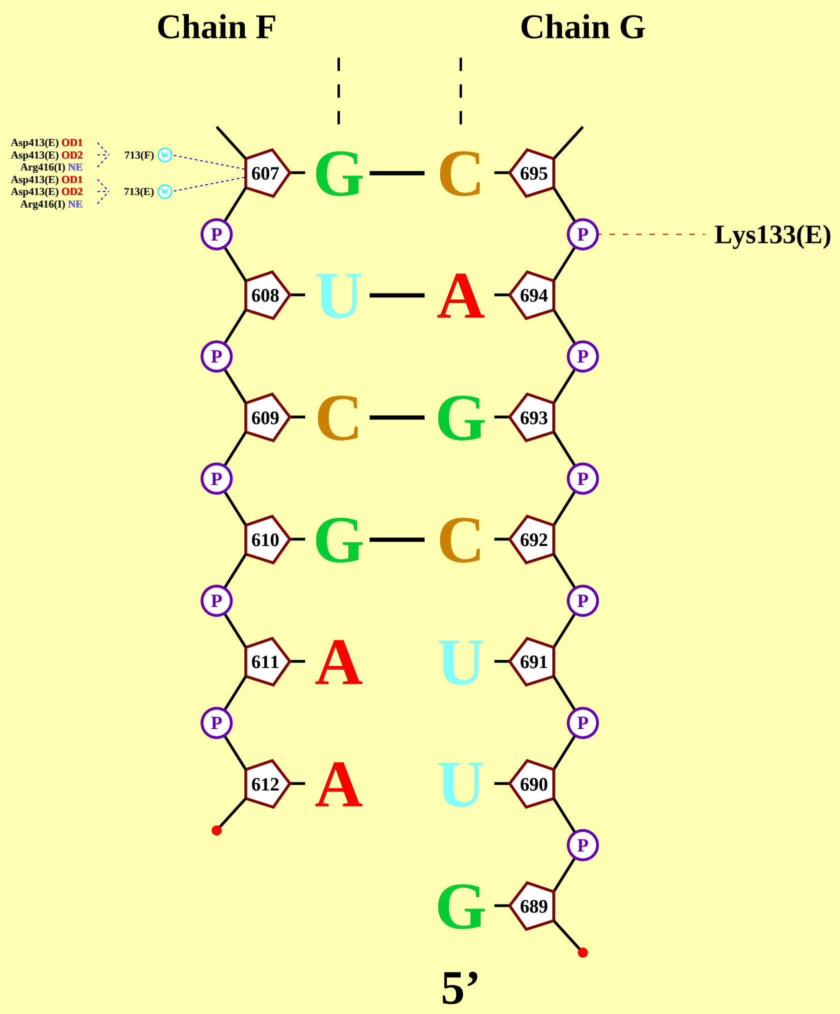
Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file


Chain F
Chain G
5’
597 C
718(F) W P
Asn18(E)
Pro20(E)*
598 A
Ser115(E)*
P
Pro20(E)*
Lys22(E)
Lys24(E)
Tyr157(E)
717(F)*
Ile176(E)*
599 G
717(F)*
Ser115(E)*
Lys159(E) NZ
Ile176(E)*
Glu177(E)
Ala178(E)
Ser179(E)
Gly290(E) O
600 G
Thr114(E) OG1
707(F)
Lys127(E)
Cys291(E) O
601 U — A 701
O Tyr327(E)*
Gly328(E)
804(G)
803(G)
OG Ser295(E)*
NH2 Arg377(A)
NZ 637(E)
NH2 Arg174(E)
NE2 His199(M)
OD2 Asp330(E)
N Lys376(E)*
611(E)
Arg188(E)
Ser292(E) OG
Ser295(E)* OG
Tyr327(E)* OH
His199(E) NE2
604(E)
702(F)
602 C — G 700
806(G)
Leu375(E)
811(G)*
715(F)*
Glu108(E)
NZ Lys376(E)*
811(G)*
Gly211(E) N
704(F)
711(F)
Cys212(A) O
703(F)
603 U — A 699
641(E)
NH2 Arg377(E)
802(G)
715(F)*
OG Ser401(E)
708(F)
Val158(I) O
Asp213(E)* OD1
Asp213(M) OD2
Ser295(A) OG
Tyr327(A) OH
701(E)
604 C — G 698
807(G)
Asp213(E)* OD2
700(E)
805(G)
N Lys406(E)
705(F)
605 U — A 697
801(G)
714(F)
Arg416(E)
606 C — G 696
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

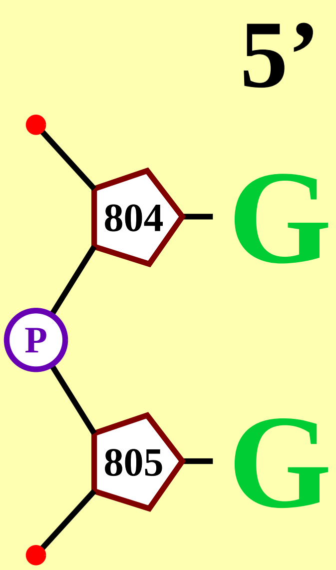
Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

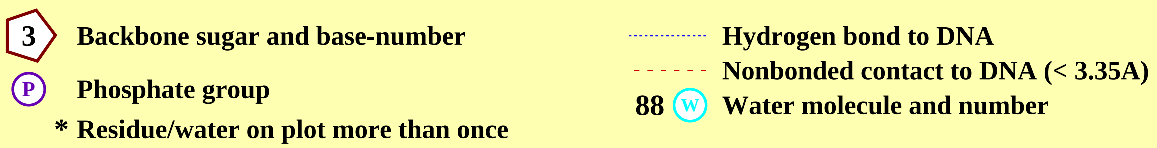
88 W Water molecule and number

file

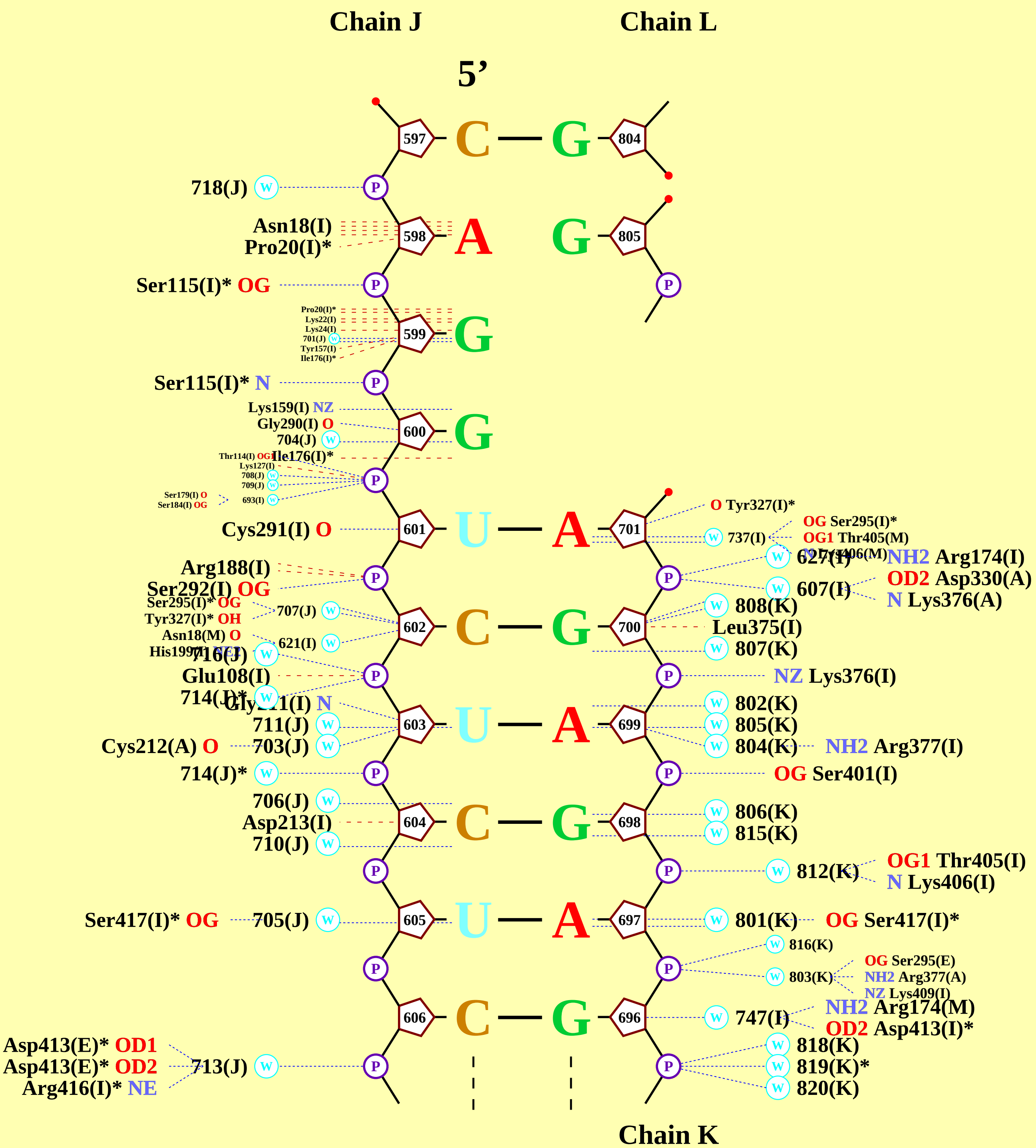
Chain H



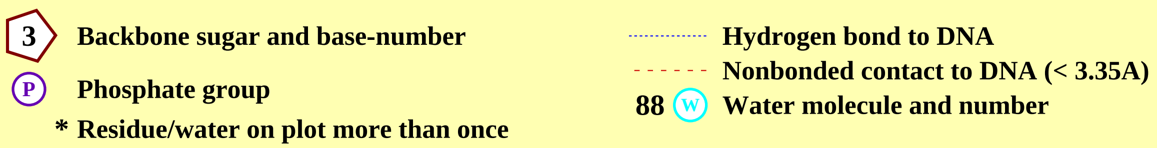
Key



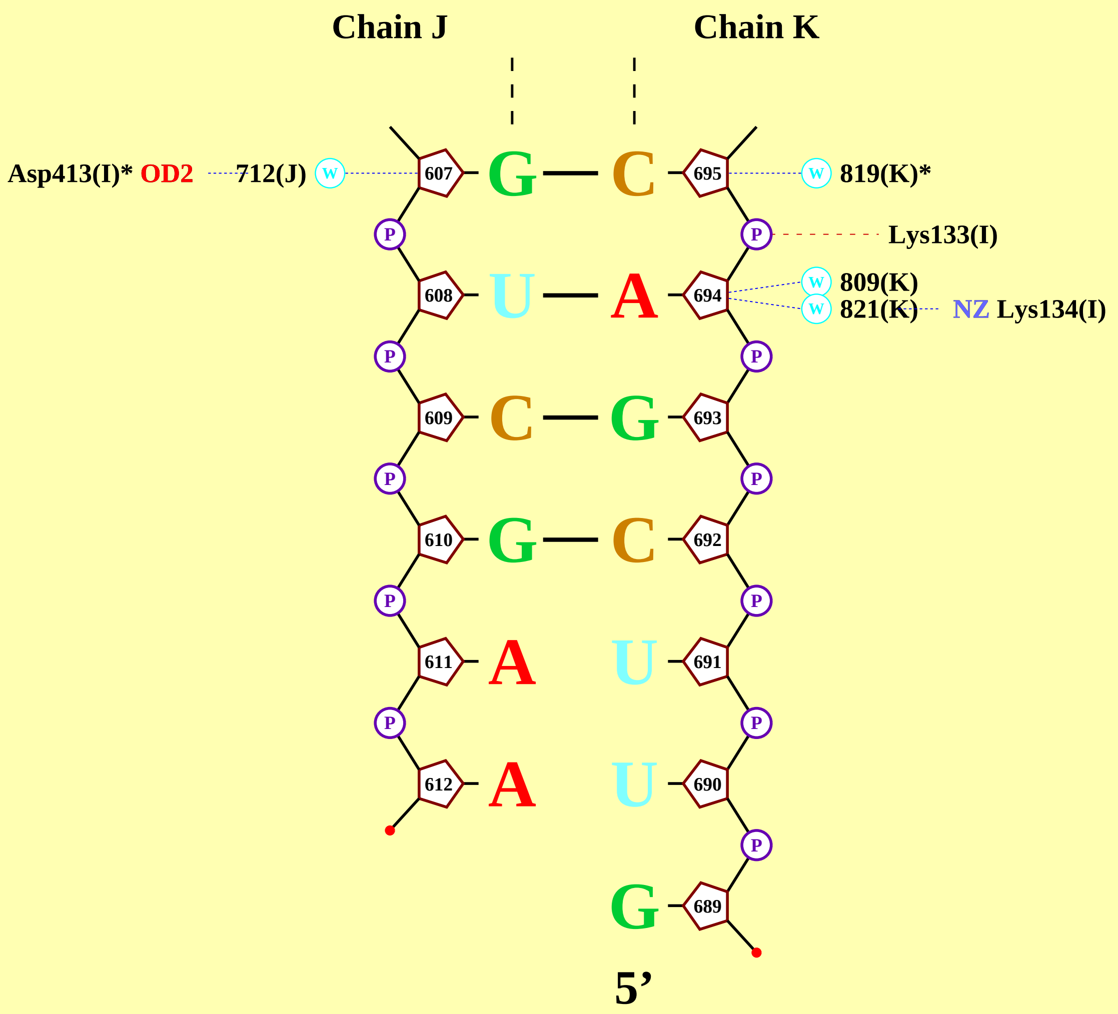
file


Chain J
Chain L
5’
597
C
G
804
718(J)
Asn18(I)
Pro20(I)*
598
A
G
805
Ser115(I)* OG
599
G
Ser115(I)* N
Lys159(I) NZ
Gly290(I) O
704(J)
600
G
Ile176(I)*
Cys291(I) O
601
U
A
701
O Tyr327(I)*
OG Ser295(I)*
OG1 Thr405(M)
737(I)
627(I)
NH2 Arg174(I)
Arg188(I)
Ser292(I) OG
607(I)
OD2 Asp330(A)
N Lys376(A)
Ser295(I)* OG
707(J)
Tyr327(I)* OH
602
C
G
700
808(K)
Leu375(I)
Asn18(M) O
621(I)
807(K)
Glu108(I)
NZ Lys376(I)
603
U
A
699
802(K)
711(J)
805(K)
Cys212(A) O
703(J)
804(K)
NH2 Arg377(I)
714(J)*
OG Ser401(I)
706(J)
806(K)
Asp213(I)
604
C
G
698
815(K)
710(J)
812(K)
OG1 Thr405(I)
N Lys406(I)
Ser417(I)* OG
705(J)
605
U
A
697
801(K)
OG Ser417(I)*
816(K)
803(K)
OG Ser295(E)
NH2 Arg377(A)
606
C
G
696
747(I)
NH2 Arg174(M)
OD2 Asp413(I)*
Asp413(E)* OD1
Asp413(E)* OD2
713(J)
818(K)
819(K)*
Arg416(I)* NE
820(K)
Chain K

Key


3
Backbone sugar and base-number
P
Phantom 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

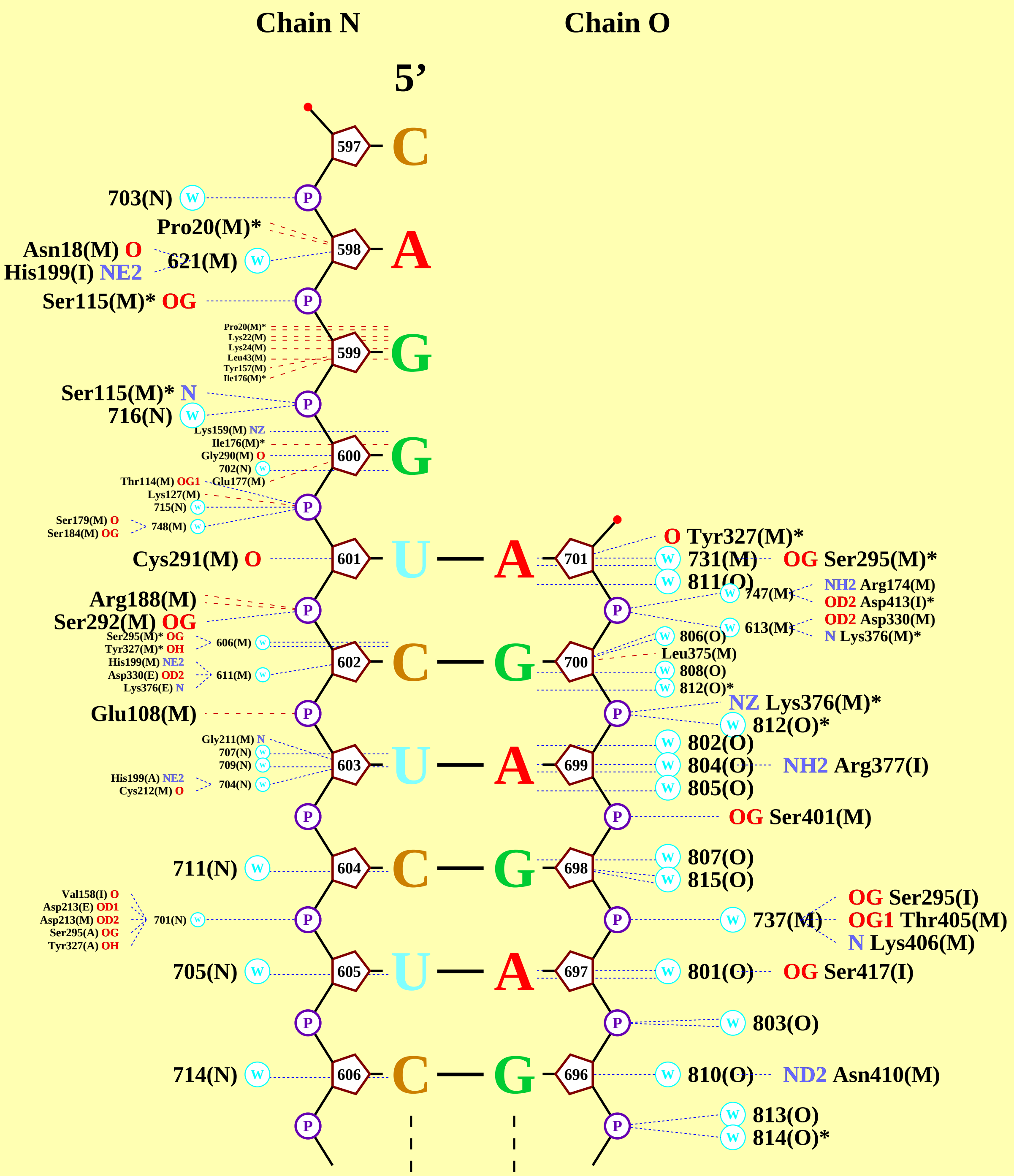
* Residue/water on plot more than once

Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file



Key

3 Backbone sugar and base-number

P Phosphate group

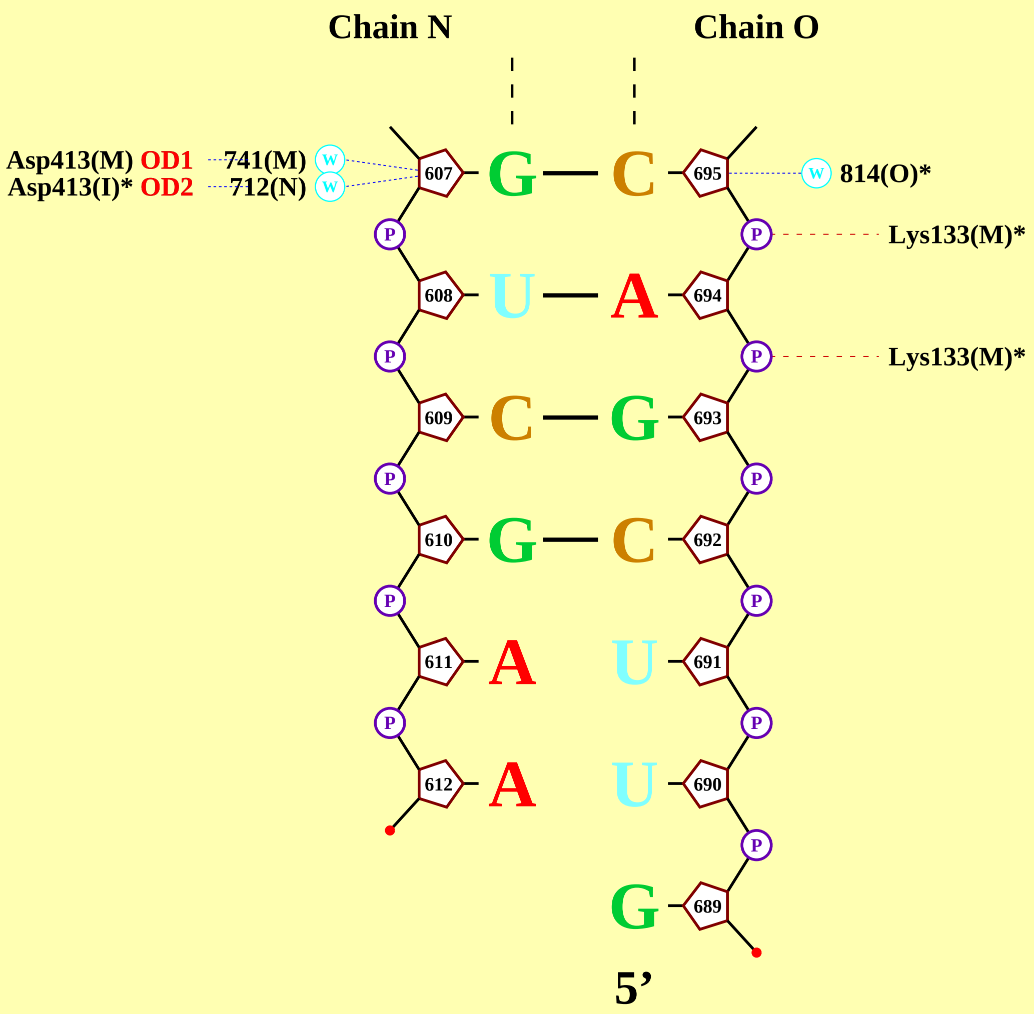
* Residue/water on plot more than once

Hydrogen bond to DNA

Nonbonded contact to DNA (< 3.35A)

88 W Water molecule and number

file



Key

Backbone sugar and base-number

Phosphate group

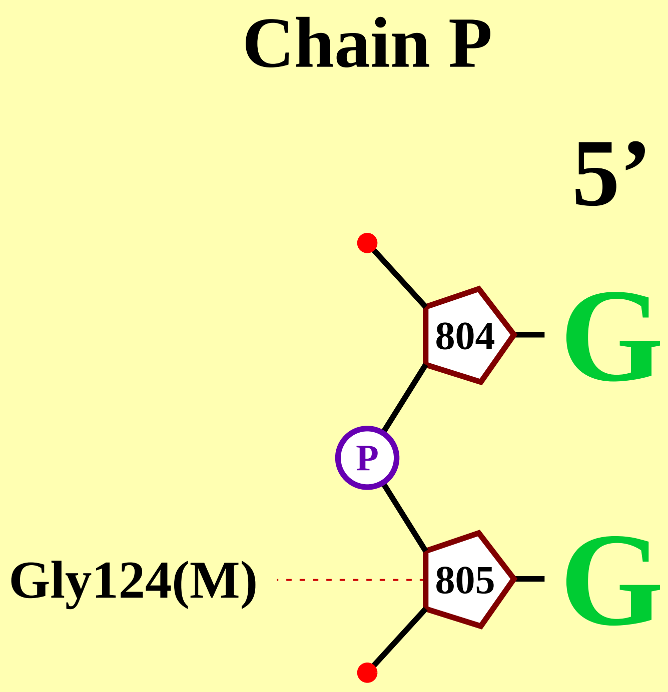
* Residue/water on plot more than once

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