

The Definition of The Methyl-cytosine in DNA Catalytic Computing and The Derivation of The IDUQ-U of The L-Pyrimidine

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OUTLOOK: This paper implements the main function with the IDUQ-U[10][11][9], the L-Pyrimidine of the DNA catalytic computing for the continuing research. In order to build the humanoid DNA computer, the Author find out more results in this paper end conclusion.

KEYWORD: PDE[12], AOPM[7], VECS[8], IDUQ[10][11][9], DNA, L-PYRIMEDINE[12], INITONS[10], PURINE[13], METHYLCYTOSINE[13]

ABSTRACT: Since the Function INITONS of DETA ETL[2]. DETA parser[1], DETA socket PLSQL database[3], DETA prediction[6], DETA data processor[4] and DETA swap[5] etc of 18 projects then build the AOPM VECS IDUQ and The INITONS Catalytic Reflection Between Humanoid DNA and Nero Cell[10] 1.2.2 finished, The Author has been thinking that how to let the software programming code build as the AOPM VECS IDUQ link list. Until the AOPM-VECS-IDUQ Catalytic INITONS PDE LAW and Its Application[12]1.2.2 finished, Human begin to know that the DNA could be extended in an article.

MAIN:

In that same time, the Author did research out a lot of results. For example L-Pyrimidine, Because of the large Derivations and monitors from the human thinking and mind cognition, It proofs that L-pyrimidine became the important part of the NLP and DNA catalytic computing. Then the Author begin to proof that Does the L-pyrimidine is a real thing in this real world? Does the L-pyrimidine which has its own chemical model. Since we have AOPM VECS IDUQ, the U/update is one of a basic initon, Not only The U/update initon is an important part of the DNA catalytic computing. It also is a basic part of the PDN extension initons. L-pyrimidine Initon. At the first, The Author named it as L-pyrimidine Initon, the first char of Luo, Liang, Li and Liu. (Author's family). Since we have uracil[13], cytosine[13], guanine[13], adenine[13] and thymine[13], From the Biochemistry and Molecular Biology, page 32, it shows the chemical model of the purines and pyrimidines. From the page 39, page 46 and page 59, it shows the TAT, tRNA, and Enzyme tasks. So, the Author did a definition of the common model of pyrimidine. The Author did an identification in a figure 1, identify 11: Since get a DNA PDE formula likes: $C = U + D$, $D = DD$, $S = I + Q$, $C = D$ and $I = U$ etc[12]. Base on those formulas, Author could find out the figure 1, identify 11, 6, 7, 8 factors in the picture1, It shows with the amino pair, adenine and thymine need a covalent Oxygen. Also, cytosine and guanine need amino base, the Author proofs the DNA catalytic computing absolutely is an Accumulation of PLC digit logic computing. The 'covalent Oxygen' and 'Amino base' are the DNA Clock. Base from the human Heart heating. It shows the results figure 1, identify 9 and 10, For the position 5, which is NH or NH₂, the author begin fall in thinking. From the 'Catalytic INITONS PDE LAW and Its Application's formula, it has $C = D$, $C = U + D + D$, then could get $U \rightarrow D$, The model of L-pyrimidine will similar with cytosine. above all, it proofs that the position 5 of the pyrimidine is a covalent nitrogen. as the figure 1, identify 13. definitely, the figure 1, identify 13 is cytosine.. please see the $I = U$ formula.the uracil could be a L-pyrimidine, but L-pyrimidine similar with cytosine. if the PDE formula is a true function and the L-pyrimidine is not the same with cytosine, then proof L-pyrimidine contains cytosine. finally see thymine, the CH₃ with the position 1, the author think, NH₂CH₃ add uracil could be a Methyl-cytosine. because scientist is hard to find NaOH, CH₄. in human's tissue fluid. only the result that is NH₂CH₃ or Amino Alkali.

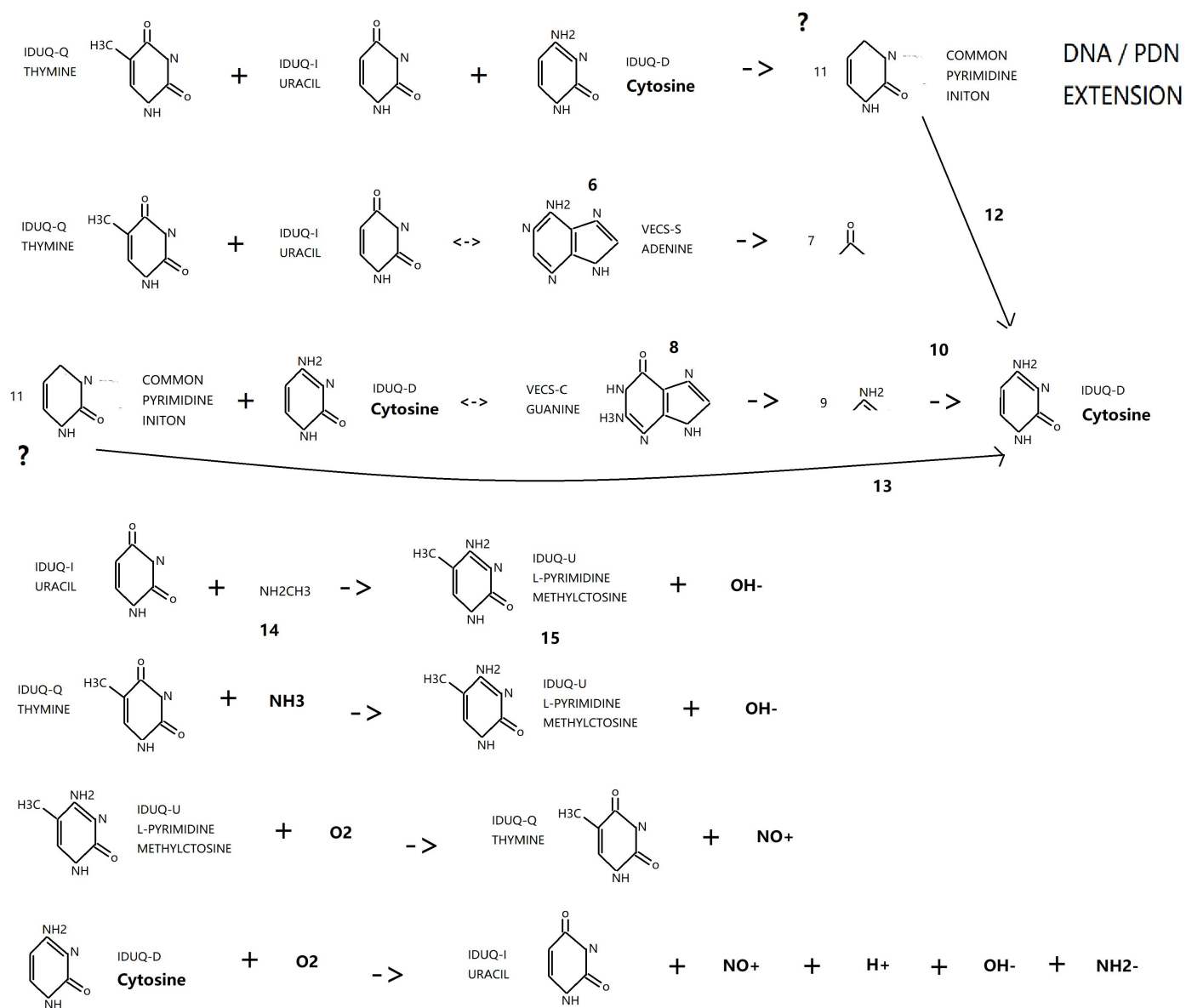
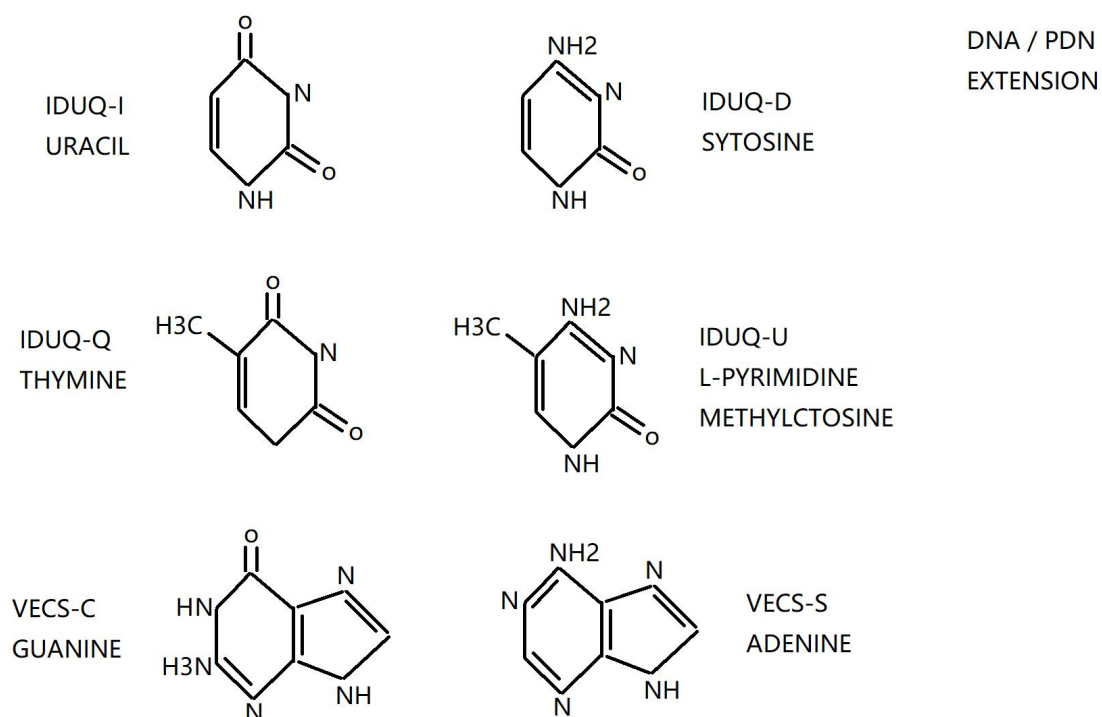


Figure 1



PDE MASK LAW I = D! D = I! U = Q! Q = U!

PDE SWAP LAW S = I S = Q C = D

PDE MASK LAW I = !D D = !I U = !Q Q = !U

VECS PDE LAW V = U + Q E = I + U C = I + D S = I + Q

AOPM PDE LAW A = V + S O = E + S P = E + C M = C + S

PDE COMP'S LAW DD = ++Q I = ++D U = ++I Q = ++U

PDE (PDE DECREMENT) LAW

C = D (PDE DECREMENT) S = I (PDE DECREMENT) S = Q (PDE DECREMENT)

PDE (PDE INCREMENT) LAW

D = DD (PDE INCREMENT) U = E (PDE INCREMENT) I = U (PDE INCREMENT)

E = I + E (PDE INCREMENT) P = P + D (PDE INCREMENT) C = U + D + D(PDE INCREMENT)

PDE (PDE) LAW A = V + S (PDE)

S = Q (PDE Reduce)

M = I + D + Q (UNSAFE PDE)

S = I + Q (PDE)

O = I + U + Q (UNSAFE PDE)

S = I (PDE Reduce)

A = U + Q + I (UNSAFE PDE)

P = I + U + D (UNSAFE PDE)

V = U + Q (PDE)

A = U + Q + I + Q (PDE)

P = E + C (PDE)

C = I + D (PDE)

O = E + S (PDE)

M = C + S (PDE)

E = I + U (PDE)

O = I + U + I + Q (PDE)

M = I + D + I + Q (PDE)

E = D + U (PDE)

Figure 2

CONCLUSION:

Author proves the figure 1, 15 identify, Methylcytosine is a L-pyrimidine[12], Methylcytosine is a L-pyrimidine, is a AOPM_VECS_IDUQ-U initon (update part role) in DNA Catalytic computing, The Author named it as L-Pyrimidine, L, the first char of Luo, Liang, Li and Liu(Author's family name).

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