

Nfeature-DNA Headers

1. CDK

- **Mononucleotide (4)**
CDK_A, CDK_C, CDK_G, CDK_T
- **Dinucleotide (16)**
CDK_AA
CDK_AC
CDK_AG
CDK_AT
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CDK_TT
- **Trinucleotide (64)**
CDK_AAA
CDK_AAC
CDK_AAG
CDK_AAT
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CDK_TTT

CDK_NT

- **Mononucleotide (4)**
CDK_NT_A.....CDK_NT_T
- **Dinucleotide (16)**
CDK_NT_AA.....CDK_NT_TT
- **Trinucleotide (64)**
CDK_NT_AAA.....CDK_NT_TTT

CDK_CT

- **Mononucleotide (4)**
CDK_CT_A.....CDK_CT_T
- **Dinucleotide (16)**
CDK_CT_AA.....CDK_CT_TT
- **Trinucleotide (64)**
CDK_CT_AAA.....CDK_CT_TTT

CDK REST

- **Mononucleotide (4)**
CDK_REST_A.....CDK_REST_T
- **Dinucleotide (16)**
CDK_REST_AA.....CDK_NT_TT
- **Trinucleotide (64)**
CDK_NT_AAA.....CDK_NT_TTT

CDK SPLIT

- **Mononucleotide (4*split)**
Here n is the number of splits.
CDK_Split_s1_A.....CDK_Split_sn_T
- **Dinucleotide (16*split)**
CDK_Split_s1_AA.....CDK_Split_sn_TT
- **Trinucleotide (64*split)**
CDK_Split_s1_AAA.....CDK_Split_sn_TTT

2. RDK

- **Mononucleotide (2)**
RDK_A, RDK_C
- **Dinucleotide (10)**
RDK_AA
RDK_AC
RDK_AG
RDK_AT
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RDK_TA
- **Trinucleotide (32)**
RDK_AAA
RDK_AAC
RDK_AAG
RDK_AAT
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RDK_TCA

RDK NT

- **Mononucleotide (2)**
RDK_NT_A.....RDK_NT_C

- **Dinucleotide (10)**
RDK_NT_AA.....RDK_NT_TA
- **Trinucleotide (32)**
RDK_NT_AAA.....RDK_NT_TCA

RDK_CT

- **Mononucleotide (2)**
RDK_CT_A.....RDK_CT_C
- **Dinucleotide (10)**
RDK_CT_AA.....RDK_CT_TA
- **Trinucleotide (32)**
RDK_CT_AAA.....RDK_CT_TCA

RDK_REST

- **Mononucleotide (2)**
RDK_REST_A.....RDK_REST_C
- **Dinucleotide (10)**
RDK_REST_AA.....RDK_REST_TA
- **Trinucleotide (32)**
RDK_REST_AAA.....RDK_REST_TCA

RDK_SPLIT

Here n is the number of splits.

- **Mononucleotide (2*split)**
RDK_Split_s1_A.....RDK_Split_sn_C
- **Dinucleotide (10*split)**
RDK_Split_s1_AA.....RDK_Split_sn_TA
- **Trinucleotide (32*split)**
RDK_Split_s1_AAA.....RDK_Split_sn_TCA

3. **DAC (N*LAG)**

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DAC_1,....DAC_N*LAG

DAC_NT (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DAC_NT_1,.....DAC_NT_N*LAG

DAC_CT (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DAC_CT_1,.....DAC_CT_N*LAG

DAC REST (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DAC_REST_1,.....DAC_REST_N*LAG

DAC SPLIT (Split*[N*LAG])

Where N is number of properties and LAG is lagvalue (1,2,3,...) and n is the number of splits.

For example:- DAC_SPLIT_s1_1,.....DAC_SPLIT_sn_N*LAG.

4. **DCC (N*(N-1)*LAG)**

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DCC_1,.....DCC_N*(N-1)*LAG

DCC NT (N*(N-1)*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DCC_NT_1,...DCC_NT_N*(N-1)*LAG

DCC CT (N*(N-1)*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DCC_CT_1,....

DCC REST (N*(N-1)*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DCC_REST_1,....DCC_REST_N*(N-1)*LAG

DCC SPLIT (Split*[N*(N-1)*LAG])

Where N is number of properties and LAG is lagvalue (1,2,3,...) and n is the number of splits.

For example:- DCC_SPLIT_s1_1,.....DCC_SPLIT_sn_N*(N-1)*LAG

5. **DACC (N*N*LAG)**

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DACC_1,....DACC_N*N*LAG

DACC NT (N*N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DACC_NT_1,...DACC_NT_N*N*LAG

DACC CT (N*N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DACC_CT_1,.....DACC_CT_N*N*LAG

DACC REST (N*N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- DACC_REST_1,.....DACC_REST_N*N*LAG

DACC SPLIT (Split*[N*N*LAG])

Where N is number of properties and LAG is lagvalue (1,2,3,...) and n is the number of splits.

For example:- DACC_SPLIT_s1_1,.....DACC_SPLIT_sn_N*N*LAG

6. TAC (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- TAC_1,.....TAC_N*LAG

TAC NT (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- TAC_NT_1,.....TAC_NT_N*LAG

TAC CT (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- TAC_CT_1,.....TAC_CT_N*LAG

TAC REST (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- TAC_REST_1,.....TAC_REST_N*LAG

TAC SPLIT (Split*[N*LAG])

Where N is number of properties and LAG is lagvalue (1,2,3,...) and n is number of splits.

For example:- TAC_SPLIT_s1_1,.....TAC_SPLIT_sn_N*LAG

7. TCC (N*(N-1)*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- TCC_1,.....TCC_N*(N-1)*LAG

TCC NT (N*(N-1)*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- $TCC_NT_1, \dots, TCC_NT_N \cdot (N-1) \cdot LAG$

TCC CT ($N \cdot (N-1) \cdot LAG$)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- $TCC_CT_1, \dots, TCC_CT_N \cdot (N-1) \cdot LAG$

TCC REST ($N \cdot (N-1) \cdot LAG$)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- $TCC_REST_1, \dots, TCC_REST_N \cdot (N-1) \cdot LAG$

TCC SPLIT (Split* $[N \cdot (N-1) \cdot LAG]$)

Where N is number of properties and LAG is lagvalue (1,2,3,...) and n is the number of splits.

For example:- $TCC_SPLIT_s1_1, \dots, TCC_SPLIT_sn_N \cdot (N-1) \cdot LAG$

8. **TACC ($N \cdot N \cdot LAG$)**

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- $TACC_1, \dots, TACC_N \cdot N \cdot LAG$

TACC NT ($N \cdot N \cdot LAG$)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- $TACC_NT_1, \dots, TACC_NT_N \cdot N \cdot LAG$

TACC CT ($N \cdot N \cdot LAG$)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- $TACC_CT_1, \dots, TACC_CT_N \cdot N \cdot LAG$

TACC REST ($N \cdot N \cdot LAG$)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- $TACC_REST_1, \dots, TACC_REST_N \cdot N \cdot LAG$

TACC SPLIT (Split* $[N \cdot N \cdot LAG]$)

Where N is number of properties and LAG is lagvalue (1,2,3,...) and n is the number of splits.

For example:- $TACC_SPLIT_s1_1, \dots, TACC_SPLIT_sn_N \cdot N \cdot LAG$

9. **MAC ($N \cdot LAG$)**

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- $MAC_1, \dots, MAC_N \cdot LAG$

MAC NT (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- MAC_NT_1,...MAC_NT_N*LAG

MAC CT (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- MAC_CT_1,...MAC_CT_N*LAG

MAC REST (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- MAC_REST_1,...MAC_REST_N*LAG

MAC SPLIT (Split*[N*LAG])

Where N is number of properties and LAG is lagvalue (1,2,3,...) and n is the number of splits.

For example:- MAC_SPLIT_s1_1,...MAC_SPLIT_sn_N*LAG

10. GAC (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- GAC_1,...GAC_N*LAG

GAC NT (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- GAC_NT_1,...GAC_NT_N*LAG

GAC CT (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- GAC_CT_1,...GAC_CT_N*LAG

GAC REST (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- GAC_REST_1,...GAC_RSET_N*LAG

GAC SPLIT (Split*[N*LAG])

Where N is number of properties and LAG is lagvalue (1,2,3,...) and n is the number of splits.

For example:- GAC_SPLIT_s1_1,...GAC_SPLIT_sn_N*LAG

11. NMBAC (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- NMBAC_1,.....NMBAC_N*LAG

NMBAC NT (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- NMBAC_NT_1,.....NMBAC_NT_N*LAG

NMBAC CT (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- NMBAC_CT_1,.....NMBAC_CT_N*LAG

NMBAC REST (N*LAG)

Where N is number of properties and LAG is lagvalue (1,2,3,...)

For example:- NMBAC_REST_1.....,NMBAC_REST_N*LAG

NMBAC SPLIT (Split*[N*LAG])

Where N is number of properties and LAG is lagvalue (1,2,3,...) and n is the number of splits.

For example:- NMBAC_SPLIT_s1_1,.....NMBAC_SPLIT_sn_N*LAG

12. PDNC (N+lm)

Here N=16 dinucleotides and lm is the lambda value.

For example :- PDNC_1, PDNC_2.....,PDNC_N+lm

PDNC NT (N+lm)

Here N=16 dinucleotides and lm is the lambda value.

For example :- PDNC_NT_1, PDNC_NT_2.....,PDNC_NT_N+lm

PDNC CT (N+lm)

Here N=16 dinucleotides and lm is the lambda value.

For example :- PDNC_CT_1, PDNC_CT_2.....,PDNC_CT_N+lm

PDNC REST (N+lm)

Here N=16 dinucleotides and lm is the lambda value.

For example :- PDNC_REST_1, PDNC_REST_2.....,PDNC_REST_N+lm

PDNC SPLIT (split*[N+lm])

Here N=16 dinucleotides and lm is the lambda value. and n is the number of splits.

For example :- PDNC_SPLIT_s1_1,.....,PDNC_SPLIT_sn_N+lm

13. **PKNC(N+lm)**

Here N=64 dinucleotides and lm is the lambda value.

For example :- PKNC_1, PKNC_2.....,PKNC_N+lm

PKNC NT (N+lm)

Here N=64 dinucleotides and lm is the lambda value.

For example :- PKNC_NT_1, PKNC_NT_2.....,PKNC_NT_N+lm

PKNC CT (N+lm)

Here N=64 dinucleotides and lm is the lambda value.

For example :- PKNC_CT_1, PKNC_CT_2.....,PKNC_CT_N+lm

PKNC REST (N+lm)

Here N=64 dinucleotides and lm is the lambda value.

For example :- PKNC_REST_1, PKNC_REST_2.....,PKNC_REST_N+lm

PKNC SPLIT (split*[N+lm])

Here N=64 dinucleotides and lm is the lambda value and n is the number of splits.

For example :- PKNC_SPLIT_s1_1,.....,PKNC_SPLIT_sn_N+lm

14. **PC PDNC(N+lm)**

Here N=16 dinucleotides and lm is the lambda value.

For example :- PC_PDNC_1, PC_PDNC_2.....,PC_PDNC_N+lm

PC PDNC NT (N+lm)

Here N=16 dinucleotides and lm is the lambda value.

For example :- PC_PDNC_NT_1, PC_PDNC_NT_2.....,PC_PDNC_NT_N+lm

PC PDNC CT (N+lm)

Here N=16 dinucleotides and lm is the lambda value.

For example :- PC_PDNC_CT_1, PC_PDNC_CT_2.....,PC_PDNC_CT_N+lm

PC PDNC REST (N+lm)

Here N=16 dinucleotides and lm is the lambda value.

For example :- PC_PDNC_REST_1, PC_PDNC_REST_2.....,
PC_PDNC_REST_N+lm

PC PDNC SPLIT (split*[N+lm])

Here N=16 dinucleotides and lm is the lambda value and n is the

number of splits.

For example :- PC_PDNC_SPLIT_s1_1,.....,PC_PDNC_SPLIT_sn_N+lm

15. **PC PTNC(N+lm)**

Here N=64 dinucleotides and lm is the lambda value.

For example :- PC_PTNC_1, PC_PTNC_2.....,PC_PTNC_N+lm

PC PTNC NT (N+lm)

Here N=64 dinucleotides and lm is the lambda value.

For example :- PC_PTNC_NT_1, PC_PTNC_NT_2.....,PC_PTNC_NT_N+lm

PC PTNC CT (N+lm)

Here N=64 dinucleotides and lm is the lambda value.

For example :- PC_PTNC_CT_1, PC_PTNC_CT_2.....,PC_PTNC_CT_N+lm

PC PTNC REST (N+lm)

Here N=64 dinucleotides and lm is the lambda value.

For example :- PC_PTNC_REST_1, PC_PTNC_REST_2.....,
PC_PTNC_REST_N+lm

PC PTNC SPLIT (split*[N+lm])

Here N=64 dinucleotides and lm is the lambda value and n is the number of splits.

For example :- PC_PTNC_SPLIT_s1_1,.....,PC_PTNC_SPLIT_sn_N+lm

16. **SC PDNC(N+lm)**

Here N=16 dinucleotides and lm is the lambda value.

For example :- SC_PDNC_1, SC_PDNC_2.....,SC_PDNC_N+lm

SC PDNC NT (N+lm)

Here N=16 dinucleotides and lm is the lambda value.

For example :- SC_PDNC_NT_1, SC_PDNC_NT_2.....,SC_PDNC_NT_N+lm

SC PDNC CT (N+lm)

Here N=16 dinucleotides and lm is the lambda value.

For example :- SC_PDNC_CT_1, SC_PDNC_CT_2.....,SC_PDNC_CT_N+lm

SC PDNC REST (N+lm)

Here N=16 dinucleotides and lm is the lambda value.

For example :- SC_PDNC_REST_1, SC_PDNC_REST_2.....,

SC_PDNC_REST_N+lm

SC_PDNC_SPLIT (split*[N+lm])

Here N=16 dinucleotides and lm is the lambda value and n is the number of splits.

For example :- SC_PDNC_SPLIT_s1_1,.....,SC_PDNC_SPLIT_sn_N+lm

17. **SC_PTNC(N+lm)**

Here N=64 dinucleotides and lm is the lambda value.

For example :- SC_PTNC_1, SC_PTNC_2.....,SC_PTNC_N+lm

SC_PTNC_NT (N+lm)

Here N=64 dinucleotides and lm is the lambda value.

For example :- SC_PTNC_NT_1, SC_PTNC_NT_2.....,SC_PTNC_NT_N+lm

PC_PTNC_CT (N+lm)

Here N=64 dinucleotides and lm is the lambda value.

For example :- PC_PTNC_CT_1, PC_PTNC_CT_2.....,PC_PTNC_CT_N+lm

SC_PTNC_REST (N+lm)

Here N=64 dinucleotides and lm is the lambda value.

For example :- SC_PTNC_REST_1, SC_PTNC_REST_2.....,
SC_PTNC_REST_N+lm

SC_PTNC_SPLIT (split*[N+lm])

Here N=64 dinucleotides and lm is the lambda value and n is the number of splits.

For example :- SC_PTNC_SPLIT_s1_1,.....,SC_PTNC_SPLIT_sn_N+lm

18. **NRI (4)**

NRI_A, NRI_C, NRI_G, NRI_T

NRI_NT (4)

NRI_NT_A, NRI_NT_C, NRI_NT_G, NRI_NT_T

NRI_CT (4)

NRI_CT_A, NRI_CT_C, NRI_CT_G, NRI_CT_T

NRI_REST (4)

NRI_REST_A, NRI_REST_C, NRI_REST_G, NRI_REST_T

NRI_SPLIT (split*4)

When split 1⇒ NRI_SPLIT_s1_A.....NRI_SPLIT_s1_T

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When split=n ⇒NRI_SPLIT_s1_A.....NRI_SPLIT_sn_T

19. **DDN (4)**

DDN_A, DDN_C, DDN_G, DDN_T

DDN_NT (4)

DDN_NT_A, DDN_NT_C, DDN_NT_G, DDN_NT_T

DDN_CT (4)

DDN_CT_A, DDN_CT_C, DDN_CT_G, DDN_CT_T

DDN_REST (4)

DDN_REST_A, DDN_REST_C, DDN_REST_G, DDN_REST_T

DDN_SPLIT (split*4)

When split 1⇒ DDN_SPLIT_s1_A.....DDN_SPLIT_s1_T

.

.

When split=n ⇒DDN_SPLIT_s1_A.....DDN_SPLIT_sn_T

20. **ES (1)**

Entropy

ES_NT (1)

Entropy

ES_CT (1)

Entropy

ES_REST (1)

Entropy

ES_SPLIT (split*4)

When split 1⇒ ENTROPY_SPLIT_s1

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.
When split=n \Rightarrow ENTROPY_SPLIT_s1,.....ENTROPY_SPLIT_sn

21. **EN NL (4)**

ENT_NL_A, ENT_NL_C, ENT_NL_G, ENT_NL_T

EN NT (4)

ENT_NL_NT_A, ENT_NL_NT_C, ENT_NL_NT_G, ENT_NL_NT_T

EN CT (4)

ENT_NL_CT_A, ENT_NL_CT_C, ENT_NL_CT_G, ENT_NL_CT_T

EN REST (4)

ENT_NL_REST_A, ENT_NL_REST_C, ENT_NL_REST_G, ENT_NL_REST_T

EN SPLIT (split*4)

When split 1 \Rightarrow ENT_NL_SPLIT_s1_A.....ENT_NL_SPLIT_s1_T

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When split=n \Rightarrow ENT_NL_SPLIT_s1_A.....ENT_NL_SPLIT_sn_T

22. **BPM (4*L)**

Here L is the length of the sequence provided and P denotes the position

P1_A, P1_C.....PL_T

BPM NT(4*L)

Here L is the length of the sequence provided and P denotes the position

P1_NT_A, P1_NT_C.....PL_NT_T

BPM CT(4*L)

Here L is the length of the sequence provided and P denotes the position

P1_CT_A, P1_CT_C.....PL_CT_T

BPM REST (4*L)

Here L is the length of the sequence provided and P denotes the position

P1_REST_A, P1_REST_C.....PL_REST_T

BPM SPLIT (split*4*L)

Here L is the length of the sequence provided , P denotes the position and n

denotes the number of splits

P1_SPLIT_s1_A, P1_SPLIT_s1_C.....PL_SPLIT_sn_T

23. **BPD (16*L)**

Here L is the length of the sequence provided and P denotes the position

P1_AA, P1_AC.....PL_TT

BPD NT(16*L)

Here L is the length of the sequence provided and P denotes the position

P1_NT_AA, P1_NT_AC.....PL_NT_TT

BPD CT(16*L)

Here L is the length of the sequence provided and P denotes the position

P1_CT_AA, P1_CT_AC.....PL_CT_TT

BPD REST (16*L)

Here L is the length of the sequence provided and P denotes the position

P1_REST_AA, P1_REST_AC.....PL_REST_TT

BPD SPLIT (split*16*L)

Here L is the length of the sequence provided , P denotes the position and n denotes the number of splits

P1_SPLIT_s1_AA, P1_SPLIT_s1_AC.....PL_SPLIT_sn_TT

24. **BPT (64*L)**

Here L is the length of the sequence provided and P denotes the position

P1_AAA, P1_AAC.....PL_TTT

BPT NT(64*L)

Here L is the length of the sequence provided and P denotes the position

P1_NT_AAA, P1_NT_AAC.....PL_NT_TTT

BPT CT(64*L)

Here L is the length of the sequence provided and P denotes the position

P1_CT_AAA, P1_CT_AAC.....PL_CT_TTT

BPT REST (64*L)

Here L is the length of the sequence provided and P denotes the position

P1_REST_AAA, P1_REST_AAC.....PL_REST_TTT

BPT SPLIT (split*64*L)

Here L is the length of the sequence provided , P denotes the position and n denotes the number of splits

P1_SPLIT_s1_AAA, P1_SPLIT_s1_AAC.....PL_SPLIT_sn_TTT

25. **BP DP (16*L*N)**

Here L is the length of the sequence provided, N is number of properties and P denotes the position

P1_AA_PR1, P1_AC_PR1.....PL_TT_PRN

BP DP NT(16*L*N)

Here L is the length of the sequence provided, N is number of properties and P denotes the position

P1_AA_PR1_NT, P1_AC_PR1_NT.....PL_TT_PRN_NT

BP DP CT(16*L*N)

Here L is the length of the sequence provided,, N is number of properties and P denotes the position

P1_AA_PR1_CT, P1_AC_PR1_CT.....PL_TT_PRN_CT

BP DP REST (16*L*N)

Here L is the length of the sequence provided,, N is number of properties and P denotes the position

P1_AA_PR1_REST, P1_AC_PR1_REST.....PL_TT_PRN_REST

BP DP SPLIT (split*16*L*N)

Here L is the length of the sequence provided,N is number of properties, P denotes the position and n denotes the number of splits

P1_AA_PR1_SPLIT_s1,.....PL_TT_PRN_SPLIT_sn

26. **BP TP (64*L*N)**

Here L is the length of the sequence provided, N is number of properties and P denotes the position

P1_AA_PR1, P1_AC_PR1.....PL_TT_PRN

BP TP NT(64*L*N)

Here L is the length of the sequence provided, N is number of properties and P denotes the position

P1_AA_PR1_NT, P1_AC_PR1_NT.....PL_TT_PRN_NT

BP TP CT(64*L*N)

Here L is the length of the sequence provided,, N is number of properties and P denotes the position

P1_AA_PR1_CT, P1_AC_PR1_CT.....PL_TT_PRN_CT

BP TP REST (64*L*N)

Here L is the length of the sequence provided,, N is number of properties and P denotes the position

P1_AA_PR1_REST, P1_AC_PR1_REST.....PL_TT_PRN_REST

BP TP SPLIT (split*64*L*N)

Here L is the length of the sequence provided,N is number of properties, P denotes the position and n denotes the number of splits

P1_AA_PR1_SPLIT_s1,.....PL_TT_PRN_SPLIT_sn