

The benchmark dataset  $\mathcal{S}$  contains 1,075 protein sequences, which are classified into subset  $\mathcal{S}^+$  with 525 DNA-binding proteins (positive samples) and subset  $\mathcal{S}^-$  with 550 non-DNA-binding proteins (negative samples).

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### (1) 525 DNA-binding proteins

>1AKHA

KKEKSPKGGKSSISPQARAFLEEVFRRKQSLNSKEKEEVAKKCGITPLQVRVWFINKRMRSK

>1AOII

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>1B6WA

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>1C1KA

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>1C6VD

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>1CI4B

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>1D4UA

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>1D8BA

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>1DMLG

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>3R6TA

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>3R3JA

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>3R18A

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>3QVSA

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>3QSYA

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>3AUKA

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>3QMXA

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>3QLIA

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>2L97A

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>3QKGA

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>3QJJA

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>2Y6YA

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>2L8LA

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>3QBDA

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>3QB4A

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>2L8BA

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