ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	250
Number of 16mers from the input sequence	235
Threshold setting (Default value is 0.5)	0.51

TABULAR RESULT

Predicted B-cell epitope

The predicted B cell epitopes are ranked according to their score obtained by trained recurrent neural network.
Higher score of the peptide means the higher probability to be as epitope.
All the peptides shown here are above the threshold value chosen.

Rank	Sequence	Start position	Score
1	PPYIMWAPNAIWKAFD	205	0.91
2	AGLIVIALAFYLRAKV	36	0.90
3	GEHHTATWLGMTVNTD	13	0.87
4	TWLGMTVNTDTVLSTA	19	0.86
5	AGIWRRGIVGHPIKLL	146	0.84
6	RAKVTSTDVPGGVQLF	48	0.82
6	GHPIKLLKGHVTLLAP	155	0.82
7	TETILAAQIEVGEHHT	2	0.77
8	FVFVCYHTAGIWRRGI	138	0.74
9	AVTIFVFILISNWLAV	91	0.72
9	LFFEAITIQMRNQVES	62	0.72
10	IGMRIAPFVLPLAVTI	79	0.71
11	YVLALALFVFVCYHTA	131	0.69
12	DVPGGVQLFFEAITIQ	55	0.68
12	HGHTTELLKSAAADIN	115	0.68
13	NAIWKAFDLFVGAIQA	213	0.66
13	PVQYTDKHGHTTELLK	108	0.66
14	FILISNWLAVLPVQYT	97	0.62
15	HVTLLAPINLVEEVAK	164	0.60
16	IFAGGILVALIALFPP	191	0.56
16	KPISLSLRLFGNIFAG	179	0.56
17	KSAAADINYVLALALF	123	0.53

OVERLAP DISPLAY

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MTETILAAQIEVGEHHTATWLGMTVNTDTVLSTAIAGLIVIALAFYLRAKVTSTDVPGGVQLFFEAITIQMRNQVESAIGMRIAPFVLPLAVTIFVFILISNWLAVLPVQYTDKHGHTTELLKSAAADINYVLALALFVFVCYHTAGIWR
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-----------------------------------AGLIVIALAFYLRAKV---------------------------------------------------------------------------------------------------
------------GEHHTATWLGMTVNTD--------------------------------------------------------------------------------------------------------------------------
------------------TWLGMTVNTDTVLSTA--------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------------------------------AGIWR
-----------------------------------------------RAKVTSTDVPGGVQLF---------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------------------------
-TETILAAQIEVGEHHT-------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------------------------------------FVFVCYHTAGIWR
------------------------------------------------------------------------------------------AVTIFVFILISNWLAV--------------------------------------------
-------------------------------------------------------------LFFEAITIQMRNQVES-------------------------------------------------------------------------
------------------------------------------------------------------------------IGMRIAPFVLPLAVTI--------------------------------------------------------
----------------------------------------------------------------------------------------------------------------------------------YVLALALFVFVCYHTA----
```

```
------------------------------------------------------DVPGGVQLFFEAITIQ--------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------HGHTTELLKSAAADIN--------------------
------------------------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------------------------------------------PVQYTDKHGHTTELLK---------------------------
------------------------------------------------------------------------------------------------FILISNWLAVLPVQYT--------------------------------------
------------------------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------------------------------------------------KSAAADINYVLALALF------------
```