ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	228
Number of 16mers from the input sequence	213
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	AATSSTPREAPYELNI	80	0.92
1	SIAPNAGLDPVNYQNF	175	0.92
1	AGGTHPTTTYKAFDWD	120	0.92
2	QTGQQVSIAPNAGLDP	169	0.91
2	DTLWQADTDPLPVVFP	145	0.91
3	RKPITYDTLWQADTDP	139	0.88
3	TTTYKAFDWDQAYRKP	126	0.88
4	TAAPKTYCEELKGTDT	22	0.87
5	YELNITSATYQSAIPP	91	0.86
6	CQIQMSDPAYNINISL	41	0.85
6	CEELKGTDTGQACQIQ	29	0.85
7	RIKIFMLVTAVVLLCC	2	0.82
8	SATYQSAIPPRGTQAV	97	0.79
8	TAVVLLCCSGVATAAP	10	0.79
9	NYIAQTRDKFLSAATS	68	0.76
10	ISLPSYYPDQKSLENY	54	0.75
11	TQAVVLKVYQNAGGTH	109	0.71
12	GELLPEAAGPTQVLVP	204	0.69
13	AGPTQVLVPRSAIDSM	211	0.62
14	LPVVFPIVQGELSKQT	155	0.59
15	QNFAVTNDGVIFFFNP	188	0.56
16	DGVIFFFNPGELLPEA	195	0.51

OVERLAP DISPLAY

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VRIKIFMLVTAVVLLCCSGVATAAPKTYCEELKGTDTGQACQIQMSDPAYNINISLPSYYPDQKSLENYIAQTRDKFLSAATSSTPREAPYELNITSATYQSAIPPRGTQAVVLKVYQNAGGTHPTTTYKAFDWDQAYRKPITYDTLWQAI
-------------------------------------------------------------------------------------AATSSTPREAPYELNI-------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------AGGTHPTTTYKAFDWD---------------
-------------------------------------------------------------------------------------------------------------------------------------------------DTLWQAI
-------------------------------------------------------------------------------------------------------------------------RKPITYDTLWQAI
-------------------------------------------------------------------------------------------------------------TTTYKAFDWDQAYRKP--------
-----------------TAAPKTYCEELKGTDT-------------------------------------------------------------------------
-------------------------------------------------------------------------YELNITSATYQSAIPP-----------------------------------
---------------------------------CQIQMSDPAYNINISL-------------------------------------------------------
------------------------CEELKGTDTGQACQIQ---------------------------------------------------------------
-RIKIFMLVTAVVLLCC-------------------------------------------------------------------------------------
-----------------------------------------------------------------SATYQSAIPPRGTQAV------------------------------------
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---------TAVVLLCCSGVATAAP--------------------------------------------------------------------------------------------------
---------------------------------------------------------------------NYIAQTRDKFLSAATS------------------------------------------------
-----------------------------------------------ISLPSYYPDQKSLENY----------------------------------------------------------------------
--------------------------------------------------------------------------------------TQAVVLKVYQNAGGTH-----------------------
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