

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	100
Number of 16mers from the input sequence	85
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	LKTQIDQVESTAGSLQ	25	0.86
2	GAAGTAAQAAVRFQE	45	0.78
2	AGSLQGQWRGAAGTAA	36	0.78
3	LDEISTNIRQAGVQYS	69	0.76
3	TLAQEAGNFERISGDL	10	0.76
4	AAVRFQEAAANKQKQE	53	0.72
5	FERISGDLKTQIDQVE	18	0.71
6	RQAGVQYSRADEEQQQ	77	0.70
7	EMKTDAAATLAQEAGNF	3	0.64
8	YSRADEEQQALSSQM	83	0.55

OVERLAP DISPLAY

MAEMKTDAAATLAQEAGNFERISGDLKTQIDQVESTAGSLQGQWRGAAGTAAQAAVVRFQEAANKQKQELDEISTNIRQAGVQYSRADEEQQQALSSQMGE¹⁰⁰
-----LKTQIDQVESTAGSLQ-----
-----GAAGTAAQAAVVRFQE-----
-----AGSLQGQWRGAAGTAA-----
-----LDEISTNIRQAGVQYS-----
-----TLAQEAGNFERISGDL-----
-----AAVRFQEAANKQKQE-----
-----FERISGDLKTQIDQVE-----
-----RQAGVQYSRADEEQQQ-----
-----EMKTDAAATLAQEAGNF-----
-----YSRADEEQQQALSSQM-----