

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	168
Number of 16mers from the input sequence	153
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	KDRSRMTIVVSAEDTP	44	0.90	
1	SQVIEAVNLFRANVID	102	0.90	
2	SGMVSLSRGPRGIGTA	152	0.89	
3	VSAEDTPLEQITKQLN	53	0.88	
4	SVLVEDKPGVLRVAA	9	0.84	
5	RGFNIESLAVGATECK	29	0.72	
6	ADAGSRSQVIEAVNLF	96	0.70	
7	IDVSPESLTVEATGNR	116	0.69	
8	SLTVEATGNRGKLEAL	122	0.67	
9	LALIKVQADAGSRSQV	89	0.66	
9	VLARVAALFSRRGFNI	18	0.66	

10	IKIVEQDDEHSVSREL	74	0.64	
11	MSPKTHTLSVLVEDKP	1	0.60	
12	PLEQITKQLNKLINVI	59	0.58	

OVERLAP DISPLAY

MSPKTHTLSVLVEDKPGVLARVAALFSRRGFNIESLAVGATECKDRSRMTIVVSAEDTPLEQITKQLNKLINVIKIVEQDDEHSVSRELALIKVQAD
 AGSRSQVIEAVNLFRANVIDVSPESLTVEATGNRGKLEALLRVLEPFGIREIAQSGMVSLSRGPRGIGTA¹⁶⁸

 KDRSRMTIVVSAEDTP-----

 -----SQVIEAVNLFRANVID-----

 -----SGMVSLSRGPRGIGTA-----

 VSAEDTPLEQITKQLN-----

 SVLVEDKPGVLARVAA-----

 RGFNIESLAVGATECK-----

 ADAGSRSQVIEAVNLF-----

 -----IDVSPESLTVEATGNR-----

 -----SLTVEATGNRGKLEAL-----

 LALIKVQADAGSRSQV-----

 VLARVAALFSRRGFNI-----

 IKIVEQDDEHSVSREL-----
 MSPKTHTLSVLVEDKP-----

 PLEQITKQLNKLINVI-----
