

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	260
Number of 16mers from the input sequence	245
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	AKAESDKMLADARANA	121	0.92	
2	TRLIEENSDLRQRINE	40	0.91	
3	EQLRTFEREYRTRLKT	210	0.89	
3	ATVAEARQRADAMLAD	149	0.89	
3	QILGEARHTADATVAE	138	0.89	
4	TQAIPAYEPEPGKPAP	73	0.88	
5	ELDQELAAGGGAGVTP	55	0.85	
5	AQLRQAQEKADALQAD	171	0.85	
6	HNVAFSKPPIGKRGYN	9	0.84	
6	AAGGGAGVTPQATQAI	61	0.84	
6	RVLSLAQDTADRLTNT	105	0.84	

7	EPGKPAPAAVSAGMNE	82	0.81	
8	AVSAGMNEEQALKAAR	90	0.79	
8	GKRGYNEDEVDAFLDL	19	0.79	
8	MPLTPADVHNVAFSKP	1	0.79	
9	QRGSAAPVDSNADAGG	236	0.78	
10	DSNADAGGFDQFNRGK	244	0.77	
11	DAERKHSEIMGTINQQ	186	0.73	
11	AMLADAQSRSEAQLRQ	160	0.73	
12	MGTINQQRAVLEGRLE	195	0.72	
13	QRAVLEGRLEQLRTE	201	0.65	
14	EDEVDAFLDLVENELT	25	0.64	
15	EREYRTRLKTYLESQ	216	0.63	
16	EQALKAARVLSLAQDT	98	0.61	
17	SDLRQRINELDQELAA	47	0.59	

OVERLAP DISPLAY

MPLTPADVHNVAFSKPPIGKRGYNEDEVDAFLDLVENELTRLIEENSDLRQRINELDQELAAGGGAGVTPQATQAI PAYEPEP
GKPAPAAVSAGMNEEQALKAARVLSLAQDTADRLTNTAKAESDKMLADARANA EQILGEARHTADATVAEARQRADAMLADAQ
SRSEAQLRQAQEKADALQADAERKHSEIMGTINQQRAVLEGRLEQLRTFEREYRTRLKTYLESQLEELGQRGSAAPVDSNADA
GGFDQFNRGKN²⁶⁰

AKAESDKMLADARANA

TRLIEENSDLRQRINE

EQLRTFEREYRTRLKT

ATVAEARQRADAMLAD

QILGEARHTADATVAE

TQAI PAYEPEPGKPAP

ELDQELAAGGGAGVTP

AQLRQAQEKADALQAD

HNVAFSKPPIGKRGYN

AAGGGAGVTPQATQAI

RVLSLAQDTADRLTNT

EPGKPAPAAVSAGMNE

AVSAGMNEEQALKAAR

GKRGYNEDEVDAFLDL

MPLTPADVHNVAFSKP

QRGSAAPVDSNADAGG

DSNADAGGFDQFNRGK

DAERKHSEIMGTINQQ

AMLADAQSRSEAQLRQ

MGTINQQRAVLEGRLE-----

QRAVLEGRLEQLRTFE-----

EDEVDAFLDLVENELT-----

EREYRTRLKTYLESQL-----

EQALKKAARVLSLAQDT-----

SDLRQRINELDQELAA-----

