

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	308
Number of 16mers from the input sequence	293
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	RGLIFAMFVFAAIFTP	227	0.95	
2	AFVIPAAVLFVAGAVL	143	0.94	
3	ELAIQIARVHDKRKAK	261	0.93	
4	LLKRLNPRNRRSRVNP	6	0.91	
5	RADISADGECRLATA	82	0.90	
6	ASVIDPPSPVPAPSVI	286	0.83	
7	LRHPYCALPQSARADI	70	0.81	
8	REAAIPDDEASVIDPP	277	0.80	
9	HDKRKAKREAAIPDDE	270	0.79	
9	LACPVWFYQLWAFITP	116	0.79	
10	VTALSGDRYFGFLNL	179	0.78	

11	FAAIFTPGSDPFSMTA	236	0.75	
12	GSDPFSMTALGAALTV	243	0.74	
12	TMSLVDHLTELTRLL	24	0.74	
12	PRNRRSRVNPDATMSL	12	0.74	
13	AGAVLAYLVLSKALGF	154	0.73	
13	WAFITPGLYQRERRFA	126	0.73	
14	PSPVPAPSVIGSHDDV	292	0.71	
15	GLYQRERRFAVAFVIP	132	0.68	
15	LRLKVGMAAGIVLACP	104	0.68	
16	FGVSFEFPLLIVMLNL	198	0.65	
17	VTTIFGFVWYSHSIFG	47	0.62	
18	AGLLTYERLKSRRGL	214	0.60	
19	DGECRLLATAPFDQFM	88	0.57	
20	RVNPDATMSLVDHLTE	18	0.55	
21	PLLIVMLNLAGLLTYE	205	0.54	

OVERLAP DISPLAY

VRAAGLLKRLNPRNRRSRVNPDATMSLVDHLTELTRLLISLAAILVTTIFGFVWYSHSIFGLDSLGEWLRHPYCALPQSARA
DISADGECRLLATAPFDQFMLRLKVGMAAGIVLACPVWFYQLWAFITPGLYQRERRFAVAFVIPAAVLFVAGAVLAYLVLSKA
LGFLLTVGSDVQVTALSGDRYFGFLLNLLVVFGVSFEFPLLIVMLNLAGLLTYERLKSRRGLIFAMFVFAAIFTPGSDPFSM
TALGAALTVLLELAIQIARVHDKRKAKREAAIPDDEASVIDPPSPVPAPSVIGSHDDVT³⁰⁸

RGLIFAMFVFAAIFTP-----

AFVIPAAVLFVAGAVL-----

-----ELAIQIARVHDKRKAK-----

LLKRLNPRNRRSRVNP-----

RADISADGECRLLATA

ASVIDPPSPVPAPSVI

LRHPYCALPQSARADI

REAAIPDDEASVIDPP

HDKRKAKREAAIPDDE

LACPVWFYQLWAFITP

VTALSGDRYFGFLLNL

FAAIFTGSDPFSMTA

GSDPFSMTALGAALTV

TMSLVDHLTELRLRL

PRNRRSRVNPDATMSL

AGAVLAYLVLSKALGF

WAFITPGLYQREERFA

-----PSPVPA~~PS~~VIGSHDDV-----

GLYQRE~~RR~~FAVAFVIP-----

LRLKVGMAAGIVLACP-----

FGVSFEFPLLIVMLNL-----

VTTIFGFVWYSHSIFG-----

AGLLTYERLKS~~WRR~~GL-----

DGE~~CR~~LLATAPFDQFM-----

RVNPDATMSLVDHLTE-----

PLLIVMLNLAGLLTYE-----

