

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	358
Number of 16mers from the input sequence	343
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	DGHAQQALRAGQGATT	230	0.94	
2	AGCSSNPLANFAPGYF	24	0.89	
3	HGTAFLAARGGYFVAD	122	0.88	
4	TVQQPNSLAFDETSDT	322	0.87	
5	IEPAQPAVSPPTSQDP	42	0.86	
5	TTMAADPLGRVLIADT	244	0.86	
5	YFVADLSSGHTARVNV	133	0.86	
6	ADGAVYTLAKNPAVDP	172	0.85	
6	APRVIFLPGPAAALTS	104	0.85	
7	GYDLTTGIPVEKVRYP	306	0.84	
7	PGPAAALTSDDHGTA	111	0.84	

8	GQTSVTTIGADGHAQQ	220	0.82	
9	LILRQAYPVRQAPYGL	272	0.80	
10	AAPASIMVFDDVHVAP	90	0.79	
10	GAVRPLSGHPRAALFD	59	0.79	
11	WVSQTASNTVIGYDLT	295	0.78	
12	NFAPGYPPTIEPAQPA	33	0.76	
12	YGLAGSRELAWVSQTA	285	0.76	
13	SGHPRAALFDNGTRQL	65	0.75	
13	RVLIADTRGGQLLVYG	253	0.75	
13	VTQGNTTVVLDRGQTS	208	0.75	
14	AVSPPTSQDPAGAVRP	48	0.74	
14	LRAGQGATTMAADPLG	237	0.74	
14	ASRTKIFARVDALVTQ	195	0.74	
14	DGKLVLSADGAVYTL	164	0.74	
15	AVDPASGAATVASRTK	184	0.73	
15	TLAKNPAVDPASGAAT	178	0.73	
15	SGHTARVNVADAAHTD	140	0.73	
16	AHTDFTAIARRSDGKL	152	0.72	
17	GIPVEKVRYPTVQQPN	312	0.70	
18	SDTLYVVS GSGAGVQV	335	0.69	
19	TVVLDRGQTSVTTIGA	214	0.68	
20	TRQLVALRPGADSAAP	77	0.63	
21	MVFDDVHVAPRVIFLP	96	0.58	
21	FARVDALVTQGNTTVV	201	0.58	
22	VQRRFIGLLMLSVLVA	9	0.57	
23	GQLLVYGV DPLILRQA	262	0.54	
24	VSGSGAGVQVIEHAAG	341	0.51	

OVERLAP DISPLAY

LLTGKPAVQRRFIGLLMLSVLVAGCSSNPLANFAPGYPPTIEPAQPAVSPPTSQDPAGAVRPLSGHPRAALFDNGTRQLVAL
RPGADSAAPASIMVFDDVHVAPRVIFLPGPAAALTSDDHGTAFLAARGGYFVADLSSGHTARVNVADAAHTDFTAIARRSDGK

IVLGSADGAVYTLAKNPAVDPASGAATVASRTKIFARVDALVTQGN³⁵⁸TTVVLDLRGQTSVTTIGADGHAQQALRAGQGATTMAAD
PLGRVLIADTRGGQLLVYGVDPILILRQAYPVRQAPYGLAGSRELAWVSQTASNTVIGYDLTTGIPVEKVRYP TVQQPNSLAFD
ETSDTLYVVS³⁵⁸SGAGVQVIEHAAGTR

DGHAQQALRAGQGATT

AGCSSNPLANFAPGY

HGTAFLAARGGYFVAD

TVQQPNSLAFDETSDT

IEPAQPAVSPPTSQDP

TTMAADPLGRVLIADT

YFVADLSSGHTARVNV

ADGAVYTLAKNPAVDP

APRVIFLPGPAAALTS

GYDLTTGIPVEKVRYP

PGPAAALTSDDHGTA

GQTSVTTIGADGHAQQ

LILRQAYPVRQAPYGL

AAPASIMVFDDVHVAP

GAVRPLSGHPRAALFD

WVSQTASNTVIGYDLT

NFAPGYPPTIEPAQPA

YGLAGSRELAWVSQTA

SGHPRAALFDNGTRQL

RVLIADTRGGQLLVYG

VTQGNTTVVLDRGQTS

AVSPPTSQDPAGAVRP

LRAGQGATTMAADPLG

ASRTKIFARVDALVTQ

DGKLVVLSADGAVYTL

AVDPASGAATVASRTK

TLAKNPAVDPASGAAT

SGHTARVNVADAAHTD

AHTDFTAIARRSDGKL

GIPVEKVRYPTVQQPN

SDTLYVVSGSGAGVQV

TVVLDRGQTSVTTIGA

TRQLVALRPGADSAAAP

MVFDDVHVAPRVIFLP-----

FARVDALVTQGNTTVV-----

VQRRFIGLLMLSIVLA-----

GQLLVYGVDPILIRQA-----

-----VSGSGAGVQVIEHAAG-----