

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	525
Number of 16mers from the input sequence	510
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	PVSSSEDAMTADWTRVP	474	0.90		
1	AGVQYHPEVMHTPHGQ	174	0.90		
1	GGIVAHTGTREYGRTE	104	0.90		
2	PADIDVPETPARPVLV	4	0.89		
3	TGTREYGRTELKVLGG	110	0.88		
4	AMTADWTRVPYEVLER	480	0.87		
5	SIEEIRARQPVALVLS	49	0.86		
5	SGTANIKSHHNVGGLP	349	0.86		
5	DAVTAAPDGFDDVASS	143	0.86		
6	LVTVDAAETFLEALSG	283	0.85		
7	EELTAAGLDNQIWQCP	432	0.84		

7	VGRELGLPEEIVARQP	386	0.84	
8	GRTYGHPIVLRPVSSSE	463	0.83	
8	EEIVARQPFPGPGLGI	394	0.83	
8	QPVWMSHGDAVTAAPD	135	0.83	
9	SVYADGAPKLDPALLD	69	0.82	
9	VGVQGDGRTYGHPIVL	457	0.82	
9	AATGANLVTVDAAETF	277	0.82	
9	HGLLRAGERAQVQRDF	260	0.82	
10	QRAIGDRLTCVFDHG	246	0.81	
10	FAGLGAQWTPANIANA	199	0.81	
11	EVLERISTRITNEVAE	491	0.80	
11	DSAVAAALVQRAIGDR	237	0.80	
12	NQIWQCPVVLLADVRS	441	0.79	
12	AFEAFDRRLAGVQYHP	165	0.79	
13	EFLVQGTLYPDVVESEG	331	0.78	
14	LSGVSAPEGKRKIIGR	296	0.77	
15	STRITNEVAEVRVVL	497	0.76	
15	GIRIVGEVTAKRLDTL	408	0.76	
15	YPDVVESEGGSGGTANI	339	0.76	
15	YAQLIARRVREARVFS	26	0.76	
16	DVVASSAGAPVAAFEA	153	0.75	
17	VIPHTASIEEIRARQP	43	0.74	
18	VNRVLDITSKPPATI	507	0.73	
18	HNVGGLPDDLKFTLVE	358	0.73	
19	AKRLDTLRHADSIVRE	417	0.72	
20	PVVLLADVRSVGVQGD	447	0.71	
20	GERAQVQRDFVAATGA	266	0.71	
20	DGHAICGLSGGVDSAV	225	0.71	
21	VRTQIGDGHAICGLSG	219	0.70	
22	QAMAQALGGIVAHTGT	97	0.69	
22	IGRQFIRAFEGAVRDV	309	0.69	
23	VPVLGICYGFQAMAQA	87	0.68	
24	ARQPVALVLSGGPASV	55	0.65	
24	KVLGGKLHSDLPEVQP	121	0.65	

25	FEGAVRDVLDGKTAEF	317	0.64	
26	SRFLHDFAGLGAQWTP	193	0.62	
27	RRVREARVFSEVIPHT	32	0.60	
28	PARPVLVDFGAQYAQ	13	0.58	
29	GLSGGVDSAVAAALVQ	231	0.57	
30	KFTLVEPLRLLFKDEV	368	0.56	
31	DVLDGKTAEFLVQGTL	323	0.53	
32	TPANIANALIEQVRTQ	207	0.51	

OVERLAP DISPLAY

VVQPADIDVPETPARPVLVDFGAQYAQLIARRVREARVFSEVIPHTASIEEIRARQPVALVLSGGPASVYADGAPKLDPALL
DLGVPVLGICYGFQAMAQALGGIVAHTGTREYGRTELKVLGGKLHSDLPEVQPVWMSHGDAVTAAPDGFDDVASSAGAPVAAF
EAFDRRLAGVQYHPEVMHTPHGQQVLSRFLHDFAGLGAQWTPANIANALIEQVRTQIGDGHAI CGLSGGVDSAVAAALVQRAI
GDRLTCVFVDHGLLRAGERAQVQRDFVAATGANLVTVDAAETFLEALSGVSAPEGKRKI IGRQFIRAFEGAVRDVLDGKTAEF
LVQGTLYPDVVESGGSGTANIKSHHNVGGLPDDLKFTLVEPLRLLFKDEVRAVGRELGLPEEIVARQPFPGPGLGIRIVGEV
TAKRLDTLRHADSIVREELTAAGLDNQIWQCPVLLADVRSVGVQGDGRTYGHPIVLRPVSSSEDAMTADWTRVPYEVLERIST
RITNEVAEVNRVLDITSKPPATIEWE⁵²⁵

PVSSSEDAMTADWTRVP

AGVQYHPEVMHTPHGQ

GGIVAHTGTREYGRTE

PADIDVPETPARPVLV

TGTREYGRTELKVLGG

AMTADWTRVPYEVLER

SIEEIRARQPVALVLS

SGTANIKSHHNVGGLP

DAVTAAPDGFDDVASS

LVTVDAAETFLEALSG

EELTAAGLDNQIWQCP

VGRELGLPEEIVARQP

GRTYGHPIVLRPVSSE

EEIVARQFFPGPLGI

QPVWMSHGDAVTAAPD

SVYADGAPKLDPALLD

VGVQGDGRTYGHPIVL

AATGANLVTVDAAETF

HGLLRAGERAQVQRDF

QRAIGDRLTCVFVDHG

FAGLGAQWTPANIANA

EVLERISTRITNEVAE

DSAVAAALVQRAIGDR

NQIWQCPVLLADVRS

AFEAFDRRLAGVQYHP

EFLVQGTLYPDVVESE

LSGVSAPGKRKIIGR

STRITNEVAEENRVVL

PVVLLADVRSVGVQGD

GERAQVQRDFVAATGA

DGHAICGLSGGVDSAV

VRTQIGDGHAICGLSG

QAMAQALGGIVAHTGT

IGRQFIRAFEGAVRDV

VPVLGICYGFQAMAQA

ARQPVALVLSGGPASV

KVLGGKLHSDLPEVQP

FEGAVRDVLDGKTAEF

SRFLHDFAGLGAQWTP

RRVREARVFSEVIPHT

PARPVLVDFGAQYAQ

GLSGGVDSAVAAALVQ

KFTLVEPLRLLFKDEV

DVLDGKTAEFLVQGTL

TPANIANALIEQVRTQ-----

