

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	582
Number of 16mers from the input sequence	567
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	SGAIWRPVDPAPRLLP	186	0.97	
2	ALASNGPSLIDCELDP	541	0.92	
2	NRPIVAPLTGDIGSVM	317	0.92	
2	IRTATSGRPGGVYLDI	156	0.92	
3	ARNIIDMHLPRHRLDS	408	0.91	
3	IQVDIEASEFDSNRPI	305	0.91	
4	SAAWTGELADRKARNS	347	0.89	
4	YGVVGIPITDLARAQ	32	0.89	
5	GYHVSTPTELESALTD	525	0.88	
6	PEAIDRALDVLAQAQR	203	0.87	
7	QASGIRYIGFRHEASA	47	0.86	

7	TGIPFLPMSMAKGLLP	243	0.86	
8	PLTGDIGSVMSALLEA	323	0.85	
9	PSLIDCELDPADGVES	547	0.84	
9	EATIFRSAAPVWRHDP	488	0.84	
10	AAAGFLTARPGVCLTT	67	0.83	
10	GFSGMEFETICRYRLP	457	0.83	
11	GVMGIGMGYAIAAAVE	427	0.82	
11	GESPQWSADAKFIQVD	293	0.82	
11	IGQVQDIGRGVARAIR	142	0.82	
12	RRLADDHHPMRFYNAL	367	0.81	
12	PMSMAKGLLPDHPQS	249	0.81	
13	GVCLTTSGPGFLNGLP	77	0.80	
13	PADGVESGHLAKLNTT	556	0.80	
13	AVETGRPVVAIEGDSA	440	0.80	
13	QSAAAARSLAMARADV	263	0.80	
14	LGAIRSVLQRNPDVYV	382	0.79	
14	MARADVVLVGARLNW	273	0.79	
14	PRLLPAPEAIDRALDV	197	0.79	
14	GQAVEASAASGAIWRP	177	0.79	
14	CHLVVDALKANDVDTI	16	0.79	
14	PMIQISGSSSRPMVDL	103	0.79	
15	HELIAEAFGGKGYHVS	514	0.78	
15	VILNNNGGVYRGDEATI	476	0.78	
15	RGDYQDLDQLNAARPF	120	0.78	
16	TELESALTDALASNPG	532	0.77	
16	AAPVWRHDPAPTVLNA	495	0.77	
16	FETICRYRLPVTVVIL	463	0.77	
17	PGGVYLDIPGDVLGQA	164	0.76	
18	VVAIEGDSAFGFSGME	447	0.73	
18	RKARNSAKMRRRLADD	357	0.73	
19	RHRLDSGTWGVMGIGM	418	0.72	
20	GLLPDSHPQSAAAARS	255	0.71	
20	AAYAQADNVIREFVEH	227	0.71	
21	GFLNGLPALANATTNC	86	0.70	

21	ASPCTVLTDGCHLVVD	6	0.70
21	LQRNPDVYVVNEGANA	389	0.70
22	ASEFDSNRPIVAPLTG	311	0.69
22	NDVDTIYGVVGIPITD	26	0.69
23	RHEASAGNAAAAAGFL	57	0.67
24	PTVLNAHARHELIAEA	505	0.66
24	YVVNEGANAALDLARNI	396	0.66
24	RPFVKAAYRIGQVQDI	133	0.66
25	VGARLNWLLNGNGESPO	282	0.64
26	EAAADRSSVASAATWG	337	0.62
26	GSVMSALLEAAADRSS	329	0.62
27	ANATTNCFPMIQISGS	95	0.60
27	GHLAKLNTTSAATPAI	563	0.60
28	LDQLNAARPFVKAAYR	126	0.58
29	PLLVL SKGAAYAQADN	219	0.56
30	TDLARA AQASGIRYIG	40	0.51

OVERLAP DISPLAY

MTTRSASPCTVLTGCHLVVDALKANDVDTIYGVVGIPITDLARAAQASGIRYIGFRHEASAGNAAAAAGFLTARPGVCLTTS
GPGFLNGLPALANATTNCFPMIQISGSSSRPMVDLQRGDYQDLDQLNAARPFVKAAYRIGQVQDIGRVARAI
RTATSGRPGG
VYLDIPGDVLGQAVEASAASGAIWRPVDPAPRLLPAPEAIDRALDVLQAQRPLLVLSKGAAYAQADNVIREFVEHTGIPFLP
MSMAKGLLPDSHPQSAAARS Lamar ADVLLVGARLNWLNGESPQWSADAKFIQVDIEASEFDSNRPIVAPLTGDIGSVM
SALLEAAADRSSLVVASAAWTGELADR KARNSAKMRRRLADDHHPMRFYNALGAIRSVLQRNPDVYVNNEG
ANALDLARNIIDMH
LPRHRLDGTWGVGMIGMGYAI
AAAVETGRPVVAIEGDSAFGFSGMEFETICRYRPLPTVVI
LNNGGGVYRGDEATIFRSAAPV
WRHDPAPTVLNAHARHELIAEAFGGKGYHVSTPTELESALT
DALASNGPSLIDCELD PADGVESGLAKLNTTS
AATPAISG
D G⁵⁸²

SGAIWRPVDPAPRLLP

ALASNGPSLIDCELDP

NRPIVAPLTGDIGSVM

IRTATSGRPGGVYLDI

ARNIIDMHLPRHRLDS

IQVDIEASEFDSNRPI

SAAWTGELADRKARNS

YGVVGIPITDLARAAQ

GYHVSTPTELESALTD

PEAIDRALDVLAQAQR

QASGIRYIGFRHEASA

TGIPFLPMSMAKGLLP

PLTGDIGSVMSALLEA

PSLIDCELDPADGVES

EATIFRSAAPVWRHDP

AAAGFLTARPGVCLTT

GFSGMEFETICRYRLP

GVMGI GMGYAIAAAVE

GESPQWSADAKFIQVD

IGQVQDIGRGVARAIR.

RRLADDHHPMRFYNAL

PMSMAKGLLPDSHPQS

GVCLTTSGPGFLNGLP-

PADGVESGHLAKLNTT

AVETGRPVVAIEGDSA

QSAAAARSLAMARADV

LGAIRSVLQRNPDVYV

MARADVVLVGarlnw

PRLLPAPEAIDRALDV

GQAVEASAASGAIWRP

CHLVVDALKANDVDTI

PMIQISGSSSRPMVDI

HELIAEAFGGKGYHVS

VILNNNGGVYRGDEATI

RGDYQDLDQLNAARPF

TELESALTDALASNGP

AAPVWRHDPAPTVLNA

FETICRYRLPVTVVII

PGGVYLDIPGDVLGQA

VVAIEGDSAFGFSGME

RKARNSAKMRRRLADD

RHRLDSGTWGVMGIGM

GLLPDSHPQSAAAARS

AAYAQADNVIREFVEH

GFLNGLPALANATTNC

ASPCTVLTDGCHLVVD

LQRNPDVYVVNEGANA

ASEFDSNRPIVAPLTG

NDVDTIYGVVGIPITD

RHEASAGNAAAAAGFL

PTVLNAHARHELIAEA

YVVNEGANALDLARNI

RPFVKAAYRIGQQVQDI

VGARLNWLLNGNGESPO

EAAADRSSVASAATWG

GSVMSALLEAADRSS

ANATTNCFPMIQISGS

GHLAKLNTTSAATPAI

LDQLNAARPVFVKAAYR

PLLVLSKGAAYAQADN

TDLARAAQASGIRYIG

