

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	IRTATSGRPPGGVYLDI	156	0.92	
3	ARNIIDMHLPRHRLDS	408	0.91	
3	IQVDIEASEFDSNRPI	305	0.91	
4	SAAWTGELADRKARNS	347	0.89	
4	YGVVVGIPITDLARAAQ	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	GVCLTTSVPGFLNGLP	77	0.80	
13	PADGVESGHLAKLNTT	556	0.80	
13	AVETGRPVAIEGDSA	440	0.80	
13	QSAAAARSLAMARADV	263	0.80	
14	LGAIRSVLQRNPVYV	382	0.79	
14	MARADVLLVGARLW	273	0.79	
14	PRLPAPEAIDRALDV	197	0.79	
14	GQAVEASAASGAIWRP	177	0.79	
14	CHLVVDALKANDVDTI	16	0.79	
14	PMIQISGSSSRPMVDL	103	0.79	
15	HELIAEAFGGKGYHVS	514	0.78	
15	VILNNGGVYRGDEATI	476	0.78	
15	RGDYQDLQQLNAARPF	120	0.78	
16	TELESALTDALASNGP	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	RHRLDSGTWGVGMGIM	418	0.72	
20	GLLPDHPQSAAAARS	255	0.71	
20	AAYAQADNVIREFVEH	227	0.71	
21	GFLNGLPALANATTNC	86	0.70	

ALASNGPSLIDCELDP

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IRTATSGRPGGVYLDI

ARNIIDMHLPRHRLDS

IQVDIEASEFDSNRPI

SAAWTGELADRKARNS

YGVVGIPITDLARAAQ

GYHVSTPTELESALTD

PEAIDRALDVLAQAQR

QASGIRYIGFRHEASA

TGIPFLPMSMAKGLLP

PLTGDIGSVMSALLEA

PSLIDCELDPADGVES

EATIFRSAAPVWRHDP

AAAGFLTARPGVCLTT

GFSGMEFETICRYRLP

GVMGIGMGYIAAAVE

GESPQWSADAKFIQVD

IGQVQDIGRGVARAIR

RRLADDHHPMRFYNAL

PMSMAKGLLPDSHPQS

GVCLTTSGPGFLNGLP

PADGVESGHLAKLNTT

AVETGRPVVAIEGDSA

QSAAAARSLAMARADV

LGAIRSVLQRNPDVYV

MARADVLLVGARLNW

PRLLPAPEAIDRALDV

GQAVEASAASGAIWRP

CHLVVDALKANDVDTI

PMIQISGSSSRPMVDL

HELIAEAFGGKGYHVS

VILNNGGVYRGDEATI

RGDYQDLQLNAARPF

TELESALTDALASNGP

AAPVWRHDPAPTVLNA

FETICRYRLPVTVIL

PGGVYLDIPGDVLGQA

VVAIEGDSAFGFSGME

RKARNSAKMRRRLADD

RHRLDSGTWGMIGM

GLLPDSHPQSAAAARS

AAQAQADNVIREFVEH

GFLNGLPALANATTNC

ASPCTVLTGCHLVVD

LQRNPDVYVVNEGANA

ASEFDSNRPIVAPLTG

NDVDTIYGVVGIPITD

RHEASAGNAAAAAGFL

PTVLNAHARHELIAEA

YVVNEGANALDLARNI

RPFVKAAYRIGVQDI

VGARLNWLLGNGESPQ

EAAADRSSVASAAWTG

GSVMSALLEAAADRSS

ANATTNCFPMIQISGS

GHLAKLNTTSAATPAI

LDQLNAARPFVKAAYR

PLLVLSKGAAAYAQADN

TDLARAAQASGIRYIG

