

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	969
Number of 16mers from the input sequence	954
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	TGAIMAVPGHDQRDWD	437	0.96	
1	TESPTAGPGGVPRADD	2	0.96	
2	QGYIQAYAYTDARGSY	694	0.93	
2	LGHVSSREPYRRLVNQ	679	0.93	
2	NEEVTADGRSDRGNFP	252	0.93	
3	AGRGRARIEFKLRDWL	506	0.92	
4	DGEVEVFQEF GKIGKS	728	0.91	
4	GARCLDGGRDWAKLTA	205	0.91	
5	GEAIAAYRRAIAAKSD	381	0.90	
5	GRLGFGHDSRRSFSTT	150	0.90	
6	AKLIEYTNHLTKKHRD	842	0.89	

6	ENEAYWMGPRPAEHGP	631	0.89	
6	DVPDYSPVLFDPDDAD	556	0.89	
6	PFPIVYDSDGRPHALD	531	0.89	
6	GGRDWAKLTAGERADV	211	0.89	
6	IFLQIYNAAFDTTANK	176	0.89	
7	AGSSWYELRYTDPHNS	609	0.88	
7	LWTYGGGTPGEAIAAY	372	0.88	
7	ARLERTWQENWARLGT	33	0.88	
8	AYLVDDETVEYPVQVNG	903	0.87	
8	DEICDAYGADTLRVYE	751	0.87	
8	EQVIERGDRFVYPGPD	713	0.87	
8	GNISESAYTGDGILVN	468	0.87	
8	TGTHPRTRTEANVVNF	130	0.87	
9	LGDGLKPYSRDTNVMP	591	0.86	
9	DDADSESPPLAKATE	568	0.86	
9	PVGLAPPDGAAPVDD	54	0.86	
9	PAEQYAVQTGTHPRTR	122	0.86	
10	APHIAEELWLRLGNTT	875	0.85	
10	LFSARAASDDGFEVDI	317	0.85	
11	YEMSMGPLEASRPWAT	765	0.84	
11	TEWVHVDLGLDGLKP	582	0.84	
12	EHTGETRVADGVELDI	800	0.83	
12	GPRPAEHGPDPPGGVD	638	0.83	
12	QRDWDFARAFGLPIVE	448	0.83	
12	PVPIFIADYVLAGYGT	422	0.83	
13	PGGVPRADDADSDVPR	9	0.82	
13	GVSEDFAAALRNNTATA	827	0.82	
13	LGTFNVPNPVGLAPP	46	0.82	
14	ATDVYARYFRMVGRNV	95	0.81	
14	GKSLKNSVSPDEICDA	741	0.81	
14	PGGVDLYVGGAEHAVL	649	0.81	
14	ALPVELPDVPDYSPVL	549	0.81	
15	GLHVGHPGLGYIATDVY	84	0.80	
15	SRRSFSTTDVDFYRWT	158	0.80	

15	GFDAFGLPAEQYAVQT	115	0.80	
16	VVVAADTDEETLKA AV	924	0.79	
16	GVELDIDTLRALHRTI	810	0.79	
16	FVQDMFPYPSGEGLVH	72	0.79	
16	LRQWMMRITAYADRLL	273	0.79	
16	RSDRGNFPVFRKRLRQ	260	0.79	
16	GRNVLHALGFDAFGLP	107	0.79	
17	YSRFWHKVLVDLGHVS	668	0.78	
18	GAAVPDDKLFVQDMFP	63	0.77	
18	VDRLESAGRGRARIEF	500	0.77	
18	WPAGVNPLWTYGGGTP	365	0.77	
18	ADVIDEYRLVYRADSL	224	0.77	
19	TKDVVGAYRFLQRVWR	780	0.76	
19	MQRNWIGRSTGAVALF	303	0.76	
19	VYRADSLVNWCPGLGT	233	0.76	
20	LRYTDPHNSERFCAKE	616	0.75	
21	DRFVYPGPDGEVEVFQ	720	0.74	
21	PSPPLAKATEWVHVDL	574	0.74	
22	PYPSGEGLVGHPLGY	78	0.73	
22	GRSTGAVALFSARAAS	309	0.73	
23	YRRAIAAKSDLERQES	387	0.72	
24	LVDELVAASWPAGVNP	356	0.71	
24	AWFDTTANKARPISEL	183	0.71	
25	EETLKA AVLTDEKVQA	932	0.70	
25	TTSLAHGPFPKADAAY	889	0.70	
25	AYTGDGILVNSDY LNG	474	0.70	
25	IVEVIAGGNISESAYT	461	0.70	
25	RAFGLPIVEVIAGGNI	455	0.70	
25	VFTTRPDTLFGATYLV	334	0.70	
25	ADSDVPRYRYTAELAA	18	0.70	
26	VLTDEKVQAFLAGATP	939	0.69	
26	FPKADAAYLVDETVEY	897	0.69	
26	DAVPRAAVEPLVQMLA	857	0.69	
27	QMLAPLAPHIAEELWL	869	0.68	

TESPTAGPGGVPRADD

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LGHVSSREPYRRLVNQ

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AGRGRARIEFKLRDWL

DGEVEVFQEFKIGKS

GARCLDGGRDWAKLTA

GEAIAAYRRAIAAKSD

GRLGFHDSRRSFSTT

AKLIEYTNHLTKKHRD

ENEAYWMGPRPAEHGP

DVPDYSPVLFDPDDAD

PFPIVYDSDGRPHALD

GGRDWAKLTAGERADV

IFLQIYNAWFDTTANK

AGSSWYELRYTDPHNS

LWTYGGGTPGEAIAAY

ARLERTWQENWARLGT

AYLVDETVEYPVQVNG

DEICDAYGADTLRVYE

EQVIERGDRFVYPGPD

GNISESAYTGDGILVN

TGTHPRTRTEANVVNF

APHIAEELWLRIGNTT

LFSARAASDDGFEVDI

YEMSMGPLEASRPWAT

TEWVHVDLDDLGDLKP

EHTGETRVADGVELDI

GPRPAEHGPDDPGGVD

QRDWDFARAFGLPIVE

PVPIFIADYVLAGYGT

PGGVPRADDADSDVPR

GVSEDF AALRNNTATA

LGTFNVPNPVGLAPP

ATDVYARYFRMVGRNV

GKSLKNSVSPDEICDA

PGGVDLYVGGAEHAVL

ALPVELPDVDPDYSPL

GLHVGHPLGYIATDVY

SRRSFSTTDVDFYRWT

GFDAFGLPAEQYAVQT

VVVAADTDEETLKAIV

TKDVVGAYREFLQRVWR

MQRNWIGRSTGAVALF

VYRADSLVNWCPGLGT

LRYTDPHNSERFCAKE

LVDELVAASWPAGVNP

AWFDTTANKARPISEL

EETLKAAVLTDEKVQA

TTSLAHGPFKADAAY

AYTGDGILVNSDYING

IVEVIAGGNISESAYT

RAFGLPIVEVIAGGNI

VFTRPDTLFGATYLV

ADSDVPRYRYTAEELAA

VLTKDKVQAFLAGATP

FPKADAAYLVDKTVKY

DAVPRAAVEPLVQMLA

QMLAPLAPHIAEELWL

DGFEVDIEVFTRPDT

AGATPRKVIVVAGRLV

SREKTGVFLGSYAINP

PEQVKTMQRNWIGRST

AYADRLLDDLDVLDWP

NHLTKKHRDAVPRAAV

YTDARGSYVPAEQVIE

LWLRLGNTTSLAHGPF

VFLGSYAINPANGEPV

WQENWARLGTFNVPNP

WCPGLGTVLANEEVTA

QRVWRLVVDEHTGETR

LLDVLDWPEQVKTMQR

AKSDLERQESREKTGV

TLFGATYLVLAPEHDL

