

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	Rv2753c
Length of the sequence	300
Number of 16mers from the input sequence	285
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	TPEQIDALAADMRAAS	282	0.92
2	PGRSAVPIEPTIRAL	146	0.90
3	GTTGESPTTDTGEKIE	53	0.89
3	QRGLQAHFTAVADATE	122	0.89
4	AGAGTYDTAHSIRLAK	85	0.88
4	DGLVVGTTGESPTT	47	0.88
4	GIDVGDPRLPQVAATP	268	0.88
4	QIMADTGLAYYSGDDA	182	0.88
5	GTLTAMVTPFSGDGS	13	0.84
5	TPYYSKPPQRGLQAHF	114	0.84
6	SGDIATARKINIAVAP	231	0.82
7	DVAARLGTLLTAMVTP	7	0.81
8	VGVKDAKADLHSGAQI	168	0.80
9	MLLYDIPGRSAVPIEP	140	0.77
10	PWLAMGATGFISVIAH	201	0.74
10	ASHPNIVGVKDAKADL	162	0.74
11	GAHGLLVVTPYYSKPP	106	0.73
12	MVTPFSGDGLDTATA	19	0.72
13	HFTAVADATELPMLLY	128	0.71
14	DGEKIELLRVLEAVG	63	0.69
14	KACAAEGAHGLLVVTP	100	0.69
15	LDTATAARLANHLVDQ	29	0.68
16	PLCNAMSRLGGVTLSK	246	0.67
16	GLAYYSGDDALNLPWL	188	0.67
17	NHLVDQGCGLVVSGT	39	0.66
18	GVTLSKAGLRLOQIDV	256	0.64
19	GQLRELLSAFGSGDIA	220	0.59
19	TGFISVIAHLAGQLR	208	0.59

20	ARKINIIVAPLCNAMS	237	0.58
----	------------------	-----	------

OVERLAP DISPLAY

VTTVGFDVAARLGTLTTAMVTPFSGDGS LDTATAARLANHLVDQCGDGLVVS GTTGESPTTTDGEKIELLRVLEAVGDRARVIAGAGTYDTAHSIRLAKACAAEGAHGLLVVTPYYSKPPQRGLQAHFTAVADATELPMLLY

-----GTTGESPTTTDGEKIE-----QRGLQAHFTAVADATE
-----AGAGTYDTAHSIRLAK-----
-----DGLVVS GTTGESPTTT-----
-----GTLTTAMVTPFSGDGS-----TPYYSKPPQRGLQAHF
-----DVAARLGTLTTAMVTP-----MLLY
-----GAHGLLVVTPYYSKPP-----
-----MVT FSGDGS LDTATA-----HFTAVADATELPMLLY
-----DGEKIELLRVLEAVG-----
-----KACAAEGAHGLLVVTP-----
-----LDTATAARLANHLVDQ-----
-----NHLVDQCGDGLVVS GT-----
