

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	250
Number of 16mers from the input sequence	235
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	EFAGRACYQSWSKPNP	37	0.88
2	HASVSFYITGISRST	75	0.87
2	TGNRRAWRHFIAMRAS	186	0.87
3	DFEVTTLADGTEVATS	229	0.85
4	FSYSQLSQRYVPEKDS	99	0.84
5	KQARQAARAVLPNATE	165	0.83
6	MRASEHADVEIRRLAI	198	0.82
6	AVLPNATETRIVVVTGN	173	0.82
6	HILTEAADAARATYSE	130	0.82
6	PPGMEDDADLRHILTE	119	0.82
7	HELIRHRHFSYSQLSQ	91	0.80
7	LAPPDVPWTTDADGGP	18	0.80
8	ETRIVVVTGNRRAWRHFI	180	0.79
9	LAAVAPAVFADFEVTT	219	0.78
10	ADGGPALVEFAGRACY	29	0.76
10	DSRVVPPGMEDDADL	113	0.76
11	YSELLAKLEAKFADQP	143	0.75
12	RRLAIECLRQLAAVAP	209	0.74
13	PKTATNAGYLRHIIDV	52	0.73
13	KLEAKFADQPNAILRR	149	0.73
14	YQSWSKPNPKTATNAG	44	0.71
15	LRHIIDVGHFSVLEHA	61	0.65
16	AETAPLRVQLIAKTDF	2	0.58

OVERLAP DISPLAY

VAETAPLRVQLIAKTDFLAPPDVPWTTDADGGPALVEFAGRACYQSWSKPNPKTATNAGYLRHIIDVGHFSVLEHASVSFYITGISRSTHELIRHRHFSYSQLSQRYVPEKDSRVVPPGMEDDADLRHILTEAADAARATYSEI
 -----EFAGRACYQSWSKPNP-----HASVSFYITGISRST-----
 -----FSYSQLSQRYVPEKDS-----
 -----HILTEAADAARATYSE-----PPGMEDDADLRHILTE-----
 -----LAPPDVPWTTDADGGP-----HELIRHRHFSYSQLSQ-----
 -----ADGGPALVEFAGRACY-----DSRVVPPGMEDDADL-----
 -----PKTATNAGYLRHIIDV-----

-----YQSWSKPNPKTATNAG-----
-----LRHII DVGHF SVLEHA-----
-----AETAPLRVQLIAKTDF-----