

# ABCpred Prediction Server

## INPUT INFORMATION

Sequence name	
Length of the sequence	144
Number of 16mers from the input sequence	129
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	DEMKEGRYEVRAELPG	44	0.94
2	VRAELPGVDPDKDVI	53	0.88
3	EDDIKATYDKGILTVS	110	0.85
4	PSFAGLRPTFDTRLMR	26	0.84
5	IMVRDQQLTIKAERTE	68	0.83
6	VSEKPTTEKHIQIRST	128	0.77
7	VSLPVGAEDDIKATY	102	0.76
8	DKGILTVSVAVSEGKP	118	0.75
9	QLTIKAERTEQKDFDG	74	0.74
9	GVDPDKDVIIMVRDQG	59	0.74
10	ERTEQKDFDGRSEFAY	80	0.69
11	FSELFAAFPSFAGLRP	18	0.67
12	GRSEFAYGSFVRTVSL	89	0.66
13	RHPRSLFPPEFSELFAA	9	0.63
14	MATTLPVQRHPRSLFP	1	0.56

## OVERLAP DISPLAY

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MATTLPVQRHPRSLFPPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGVDPDKDVIIMVRDQQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGAEDDIKATYDKGILTVSVAVSEGKPTTEKHIQIRSTN144
-----DEMKEGRYEVRAELPG-----
-----VRAELPGVDPDKDVI-----
-----PSFAGLRPTFDTRLMR-----
-----IMVRDQQLTIKAERTE-----
-----VSEKPTTEKHIQIRST-----
-----VSLPVGAEDDIKATY-----
-----DKGILTVSVAVSEGKP-----
-----QLTIKAERTEQKDFDG-----
-----GVDPDKDVIIMVRDQG-----
-----ERTEQKDFDGRSEFAY-----
-----FSELFAAFPSFAGLRP-----
-----GRSEFAYGSFVRTVSL-----
-----RHPRSLFPPEFSELFAA-----
-----MATTLPVQRHPRSLFP-----

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