ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	174
Number of 16mers from the input sequence	159
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	EGTPVTAEVFDEMCRS	131	0.93	
2	FWVAEHPDLYGKVVGC	50	0.91	
3	EVFDEMCRSYDIGVAE	138	0.85	
4	GHAIVDRLLQVARDLQ	93	0.82	
4	HVLWSDLGEIRTVAVD	69	0.82	
5	EFLDLSYVKPNILGNS	153	0.80	
6	TERPRDCRPVVRRART	2	0.77	
7	RPVVRRARTSDVPAIK	9	0.74	
8	VDTYAGKILLEKNLVT	27	0.71	
9	QVARDLQLQRVFVLTF	102	0.70	

| 10 | FVLTFETEFFARHGFT | 113 | 0.62 | |

OVERLAP DISPLAY

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VTERPRDCRPVVRRARTSDVPAIKQLVDTYAGKILLEKNLVTLYEAVQEFWVAEHPDLYGKVVGCGALHVLWSDLGEIRTVAV
DPAMTGHGIGHAIVDRLLQVARDLQLQRVFVLTFETEFFARHGFTEIEGTPVTAEVFDEMCRSYDIGVAEFLDLSYVKPNILG
NSRMLLVL174
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EGTPVTAEVFDEMCRS---------------------------
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FWVAEHPDLYGKVVGC-----------------------------------------------------------------
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EVFDEMCRSYDIGVAE--------------------
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GHAIVDRLLQVARDLQ-----------------------------------------------------------------
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HVLWSDLGEIRTVAVD-----------------------------------------------------------------
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EFLDLSYVKPNILGNS------
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TERPRDCRPVVRRART-----------------------------------------------------------------
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RPVVRRARTSDVPAIK-----------------------------------------------------------------
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VDTYAGKILLEKNLVT-----------------------------------------------------------------
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QVARDLQLQRVFVLTF---------------------------------------------------------
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FVLTFETEFFARHGFT-------------------------------------------------
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