

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	248
Number of 16mers from the input sequence	233
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	DGSIADPHFVVMGGT	144	0.90	
2	FVVMGGTTEPIANALK	153	0.89	
3	RGGIQFADTRGYAYDR	76	0.88	
4	ANALKESYAENASLTD	164	0.87	
4	IFTEQAKPYEVELCVA	110	0.87	
5	AGSADTSGGDQPTLGV	190	0.85	
5	RERSELARKGIARAKS	14	0.85	
6	YGETKRPELYRITYDG	130	0.84	
7	RVGFAAAGKFNEFDNL	59	0.80	
7	PELYRITYDGSIADEP	136	0.80	
8	PRRAFRRITGSALQAL	218	0.79	

9	RGYAYDRRDVTGRQLA	85	0.78	
10	LRIAVAALRAGSADTS	181	0.77	
11	ALAYAGGVLFVAENPS	32	0.76	
11	VYAQTLGTIFTEQAKP	102	0.76	
12	RRDVTGRQLANVYAQT	91	0.75	
13	PYEVELCVAEVAHYGE	117	0.73	
14	ISELYDRVGFAAAGKF	53	0.72	
15	GVASLEVAVLDANRPR	204	0.68	
16	ISPEQAMRERSELARK	7	0.67	
16	GVLFVAENPSRSLQKI	38	0.67	
17	GKFNEFDNLRRGGIQF	66	0.65	
18	RKGIARAKSVVALAYA	21	0.61	
19	LLVDQESPQSDGESSG	233	0.60	
19	AVLDANRPRRAFRRIT	211	0.60	
20	TGSALQALLVDQESPQ	226	0.55	
20	SYAENASLTDALRIAV	170	0.55	

OVERLAP DISPLAY

VSFPYFISPEQAMRERSELARKGIARAKSVVALAYAGGVLFVAENPSRSLQKISELYDRVGFAAAGKFNEFDNLRRGGIQFAD
TRGYAYDRRDVTGRQLANVYAQTLGTIFTEQAKPYEVELCVAEVAHYGETKRPELYRITYDGSIADEPHFVVMGGTTEPIANA
LKESYAENASLTDALRIAVAALRAGSADTSGGDQPTLGVASLEVAVLDANRPRRAFRRITGSALQALLVDQESPQSDGESSG²
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DGSIADEPHFVVMGGT-----

FVVMGGTTEPIANALK-----

RGGIQFADTRGYAYDR-----

ANALKESYAENASLTD-----

IFTEQAKPYEVELCVA

AGSADTSGGDQPTLGV

RERSELARKGIARAKS

YGETKRPELYRITYDG

RVGFAAAGKFNEFDNL

PELYRITYDGSIADEP

PRRAFRRITGSALQAL

RGYAYDRRDVTGRQLA

LRIAVAALRAGSADTS

ALAYAGGVLFVAENPS

VYAQTLGTIFTEQAKP

RRDVTGRQLANVYAQT

PYEVELCVAEVAHYGE

ISELYDRVGFAAAGKF

GVASLEVAVLDANRPR

ISPEQAMRERSELARK

