ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	478
Number of 16mers from the input sequence	463
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	EFYIFDSVSFDSRANG	135	0.96
2	KIEPQAPVDKDLYELP	394	0.91
2	PASAFDKSVFDDGLAF	38	0.91
3	SDMLLLPDPETARIDP	67	0.88
3	STGIADTAYFGAEAEF	121	0.88
4	ETARIDPFRAAKTLNI	76	0.87
4	LDGIKNKIEPQAPVDK	388	0.87
5	LEPYSRDPRNIARKAE	101	0.86
6	SACVRIPITGSNPKAK	348	0.85
6	YKYIIKNTAWQNGKTV	245	0.85
7	HEYLTEGGVFTNDLIE	434	0.84
7	TVNSYKRLVPGYEAPI	323	0.84
7	TEADGSPNRGYKVRHK	168	0.84
8	LSDVIDRLEADHEYLT	423	0.83
8	SAMLMAGLDGIKNKIE	381	0.83
8	DETGYAGLSDTARHYI	291	0.83
8	HEVGSGGQAEINYQFN	218	0.83
9	EEAASIPQTPTQLSDV	411	0.82
9	HKGGYFPVAPNDQYVD	182	0.82
10	IETWISFKRENEIEPV	448	0.81
10	KDLYELPPEEAASIPQ	403	0.81
10	GKTVTFMPKPLFGDNG	257	0.81
10	SGFILEKGHHEVGSGG	209	0.81
11	PVNIRPHPYEFALYYD	462	0.80
11	KAKRLEFRSPDSSGNP	361	0.80
11	GGLLHHAPSLLAFTNP	307	0.80
11	GAPLMYDETGYAGLSD	285	0.80
12	SDTARHYIGGLLHHAP	299	0.79
12	APNDQYVDLRDKMLTN	190	0.79
12	EVDAISGWWNTGAATE	154	0.79
13	DSSGNPYLAFSAMLMA	371	0.78
14	SRANGSFYEVDAISGW	146	0.77
15	RGFQSIHESDMLLLPD	59	0.76
15	KSVFDDGLAFDGSSIR	44	0.76
15	LPGIMQHFTIPASAFD	28	0.76
15	HQSLWKDGAPLMYDET	278	0.76
16	PLFGDNGSGMHCHQSL	266	0.73

16	LHAADDMQLYKYIIKN	236	0.73
17	AFDGSSIRGFQSIHES	52	0.71
17	KDEKVEYVDVRFCDLP	14	0.71
18	YVDVRFCDLPGIMQHF	20	0.70
18	ARKAENYLISTGIADT	112	0.70
19	EAPINLVYSQRNRSAC	335	0.67
19	SLLAFTNPTVNSYKRL	315	0.67
20	VTEKTPDDVFKLAKDE	1	0.64
21	RENEIEPVNIRPHPYE	456	0.61
22	QAEINYQFNSLLHAAD	225	0.60

OVERLAP DISPLAY

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VTEKTPDDVFKLAKDEKVEYVDVRFCDLPGIMQHFTIPASAFDKSVFDDGLAFDGSSIRGFQSIHESDMLLLPDPETARIDPFRAAKTLNINFFVHDPFTLEPYSRDPRNIARKAENYLISTGIADTAYFGAEAEFYIFDSVSFDSRANG
--------------------------------------------------------------------------------------------------------------------------------------EFYIFDSVSFDSRANG
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-------------------------------------PASAFDKSVFDDGLAF-------------------------------------------------------------------------------------------------
------------------------------------------------------------------SDMLLLPDPETARIDP--------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------STGIADTAYFGAEAEF--------------
---------------------------------------------------------------------------ETARIDPFRAAKTLNI-----------------------------------------------------------
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----------------------------------------------------------------------------------------------------LEPYSRDPRNIARKAE----------------------------------
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-------------------------------------------------------------------------------------------------------------------------------------------------SRANG
----------------------------------------------------------RGFQSIHESDMLLLPD----------------------------------------------------------------------------
-------------------------------------------KSVFDDGLAFDGSSIR-------------------------------------------------------------------------------------------
---------------------------LPGIMQHFTIPASAFD-----------------------------------------------------------------------------------------------------------
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---------------------------------------------------AFDGSSIRGFQSIHES-----------------------------------------------------------------------------------
-------------KDEKVEYVDVRFCDLP-------------------------------------------------------------------------------------------------------------------------
-------------------YVDVRFCDLPGIMQHF-------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------------------------------------------------ARKAENYLISTGIADT-----------------------
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VTEKTPDDVFKLAKDE--------------------------------------------------------------------------------------------------------------------------------------
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