ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	491
Number of 16mers from the input sequence	476
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	AISETYPPGSTFKVIT	213	0.92
2	YSVATDGRFRFLRVYP	64	0.91
2	PGVQIASKTGTAEHGT	417	0.91
2	EPTVSLREAFVKSCNT	269	0.91
2	FFTGRDPRGGNVDTTI	123	0.91
3	GGITMRPYLVGSLKGP	359	0.90
3	NPEVQAQAWQRLGDNP	190	0.90
4	DAMQQGCYGPCKGAVV	148	0.89
5	SKTGTAEHGTDPRHTP	423	0.87
6	PVTGFYSLRYSSTALE	86	0.86
7	IRTGADALRSMARAFG	291	0.85
8	DGLRADPRNQRVLLDE	32	0.84
8	AESTVGPIPDSAALGM	319	0.84
8	AFGLDSPPRPTPLQVA	304	0.84
9	PLPGSTAQLENYGGAP	250	0.83
9	ALAAGATETEQLTAAP	232	0.83
10	FKVITTAAALAAGATE	224	0.82
10	TGKILALVSSPSYDPN	169	0.82
11	NPEVYAPVTGFYSLRY	80	0.81
12	ALGMTSIGQKDVALTP	331	0.79
13	AVVALEPSTGKILALV	161	0.78
14	AAPIGRAVIEAALQGE	475	0.77
14	ATMTQVFTADGLRADP	23	0.77
15	PIPDSAALGMTSIGQK	325	0.75
15	PPRPTPLQVAESTVGP	310	0.75
16	RGQITAGGQLLAYSVA	52	0.74
16	FAPAQAPKVAVAVLVE	446	0.74
16	PRHTPPHAWYIAFAPA	434	0.74
16	GGNVDTTINPRIQQAG	131	0.74
17	LTAAPTIPLPGSTAQL	243	0.73
18	GRFRFLRVYPNPEVYA	70	0.72
18	NGADRLSATGGALAAP	462	0.72
18	RVLLDEYSRQRGQITA	42	0.72
18	ISTTVGYQQRRAVSPQ	379	0.72
18	NLLASHNPEVQAQAWQ	184	0.72
19	SLRYSSTALERAEDPI	92	0.71
19	IGQKDVALTPLANAEI	337	0.71

19	GDNPASPLTNRAISET	202	0.71
19	ILNGSDRRLFGRRLAD	107	0.71
20	VSSPSYDPNLLASHNP	176	0.70
21	LMVGAEKVAQQKGAIP	402	0.69
21	LERAEDPILNGSDRRL	100	0.69
22	VGSLKGPDLANISTTV	368	0.68
23	ASLRRISVTVMALIVL	3	0.65
23	CNTAFVQLGIRTGADA	282	0.65
24	QQKGAIPGVQIASKTG	411	0.64
25	QQRRAVSPQVAAKLTE	386	0.62
26	ANAEIAATIANGGITM	348	0.61
27	QVAAKLTELMVGAEKV	394	0.58
28	VMALIVLLLLNATMTQ	12	0.57

OVERLAP DISPLAY

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MNASLRRISVTVMALIVLLLLNATMTQVFTADGLRADPRNQRVLLDEYSRQRGQITAGGQLLAYSVATDGRFRFLRVYPNPEVYAPVTGFYSLRYSSTALERAEDPILNGSDRRLFGRRLADFFTGRDPRGGNVDTTINPRIQQAGWDAM
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---------------------------------------------------------------YSVATDGRFRFLRVYP-----------------------------------------------------------------------
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--------------------------------------------------------------------------------------------------------------------------FFTGRDPRGGNVDTTI------------
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---------------------------------------------------------------------------------------------------------------------------------------------------DAM
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-------------------------------------------------------------------------------------PVTGFYSLRYSSTALE-------------------------------------------------
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-------------------------------DGLRADPRNQRVLLDE-------------------------------------------------------------------------------------------------------
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-------------------------------------------------------------------------------NPEVYAPVTGFYSLRY-------------------------------------------------------
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----------------------ATMTQVFTADGLRADP----------------------------------------------------------------------------------------------------------------
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---------------------------------------------------RGQITAGGQLLAYSVA-----------------------------------------------------------------------------------
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----------------------------------------------------------------------------------------------------------------------------------GGNVDTTINPRIQQAG----
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---------------------------------------------------------------------GRFRFLRVYPNPEVYA-----------------------------------------------------------------
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-----------------------------------------RVLLDEYSRQRGQITA---------------------------------------------------------------------------------------------
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-------------------------------------------------------------------------------------------SLRYSSTALERAEDPI-------------------------------------------
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----------------------------------------------------------------------------------------------------------ILNGSDRRLFGRRLAD----------------------------
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---------------------------------------------------------------------------------------------------LERAEDPILNGSDRRL-----------------------------------
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--ASLRRISVTVMALIVL------------------------------------------------------------------------------------------------------------------------------------
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-----------VMALIVLLLLNATMTQ---------------------------------------------------------------------------------------------------------------------------
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