

ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	575
Number of 16mers from the input sequence	560
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	FSAGGYPLEFGTISVS	80	0.90	
1	TPDPDGKVLRALANP	376	0.90	
1	DVTIIDAFEAVGACSR	177	0.90	
2	FSRIGSGVPHLADVKP	313	0.89	
2	ICPGEGACGGMYTANT	207	0.89	
3	YEGPKGGPGMREMLAI	454	0.87	
3	DHIGGVPVVMKALLDA	338	0.87	
4	DGISMGHEGMHFSLSVS	96	0.86	
4	RFSGGTTGLCVGHIAP	489	0.86	
4	EMLAITGAIKGAGLGK	465	0.86	
4	HPSGGITILHGSLAPE	393	0.86	

4	TVTGHHTMAENLAAITP	362	0.86	
5	GRHVMSDVDHIGGVPV	330	0.85	
5	VGACSRGLMSRADVDA	187	0.85	
6	PHLADV KPFGRHVMSD	321	0.84	
6	CGGMYTANTMASAAEA	214	0.84	
7	ASRQQDFSPPPRYTT	540	0.83	
7	LDVLADPAEFASRQQD	530	0.83	
7	KALLDAGLLHGDCLTV	348	0.83	
7	TDRRRDGFARRSGQAV	243	0.83	
7	SVSTVADIKPRSRDVT	10	0.83	
8	IRLDVAGRVLVDLADP	521	0.82	
8	DVFEGTARVFDGERAA	420	0.82	
8	GITARDILTKEAFENA	265	0.82	
8	SREVIADSVEVVMQAE	111	0.82	
9	TITVGDVAVVIRYEGPK	443	0.81	
10	ASSWNEITPCNLSLDR	55	0.80	
10	GHIAPEAVDGGPIALL	500	0.80	
10	AVVKTAGFDSDFEGT	410	0.80	
10	VDAIERAICPGEGACG	200	0.80	
11	RAVGMDDDFAKPQIG	38	0.79	
11	HLLAIAHEANVALSLQ	296	0.79	
11	SRDVTDGLKAAARGM	21	0.79	
11	GLMSRADVDAIERAIC	193	0.79	
12	PGRAKLSDGSRDVTI	165	0.78	
13	FLYAGSILPGRAKLSD	157	0.77	
14	LRALANPIHPSGGITI	385	0.74	
15	GGPIALLRNGDRIRLD	509	0.73	
15	PGMLMAAARLDLAAVF	142	0.73	
16	DVLLLLTDGRFSGGTTG	481	0.71	
16	AKPQIGVASSWNEITP	48	0.71	
16	VVMAFGGSTNAVLHLL	283	0.71	
16	EGMHFSLVSREVIADS	103	0.71	
17	PPPRYTTGVLSKYVKL	549	0.69	
18	AEALGMSLPGSAAPPA	227	0.67	

FSRIGSGVPHLADVKE

ICPGEGACGGMYTANT

YEGPKGGPGMREMLAI

DHIGGVPVVMKALLDA

DGISMGEHGMHFSLVS

RFSGGTTGLCVGHIAP

EMLAITGAIKGAGLGK

HPSGGITILHGSLAPE

TVTGHMTAENLAAITP

GRHVMSDVDHIGGVPV

VGACSRGLMSRADVDA

PHLADV KPFGRHVMSD

CGGMYTANTMASAAEA

ASRQQDFSPPPRYTT

LDVLADPAEFASRQQD

KALLDAGLLHGDCLTV

TDRRRDGFARRSGQAV

SVSTVADIKPRSRDVT

IRLDVAGRVLDVLADP

DVFEGTARVFDGERAA

GITARDILTKEAFENA

SREVIADSVEVVMQAE

TITVGDVAVIRYEGPK

ASSWNEITPCNLSLDR

GHIAPEAVDGGPIALL

AVVKTAGFDSDFEFT

VDAIERAICPGEGACG

RAVGMDEDFAKPQIG

HLLAIAHEANVALSLQ

SRDVTDGLEKAAARGM

GLMSRADVDAIERAIC

PGRAKLSDGSERDVTI

FLYAGSILPGRAKLSD

LRALANPIHPSGGITI

GGPIALLRNGDRIRLD

PGMLMAAARLDLAAVF

DVLLLTGDRFSGGTTG

AKPQIGVASSWNEITP

VVMAFGGSTNAVLHLL

EGMHFSLVSREVIADS

PPPRYTTGVLSKYVKL

AEALGMSLPGSAAPPA

SVEVVMQAERLDGSVL

ITPCNLSLDRLANAVK

TGVLSKYVKLVSSAAV

QAERLDGSVLLAGCDK

AFENAIAVVMAFGGST

LLAGCDKSLPGMLMAA

LANAVKEGVFSAGGYP

GAIKGAGLGKDVLLLT

TTDEAASVSTVADIKP