

# ABCpred Prediction Server

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## INPUT INFORMATION

Sequence name	
Length of the sequence	265
Number of 16mers from the input sequence	250
Threshold setting (Default value is 0.5)	0.51

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## 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	RGSKDSDWEPVKEAAK	94	0.93	
2	GDIIWAPAIDGAFVLT	201	0.88	
2	SETSDHGYPIREHLNR	182	0.88	
3	FVLTRGGDFDLQLGT	213	0.85	
4	GYASHDTDTVRLYLQE	233	0.84	
4	TLPEDPREIPDVISQA	141	0.84	
5	SRNEIDDVERGSKDSD	85	0.83	
6	REHLNRLVDGDIIWAP	192	0.81	
7	GRRVVDVSDPGGPVTA	33	0.80	
7	YSAASIEGIRSASSNP	123	0.80	
8	FKRHIAGRRVVDVSDP	27	0.79	

9	KPLVRLRVPFTLSRNE	73	0.78	
10	TGRLIDVKAPTNGVIA	52	0.77	
10	TEAAWAEIELEAARTF	12	0.77	
10	VKEAAKKLAFVEDRTI	104	0.77	
11	SELRLAGVDGPYSVLL	158	0.74	
12	LQETLTFLCYTAEASV	246	0.72	
12	DVYTKVSETSDHGYPI	176	0.72	
13	GVDGPYSVLLSADVYT	164	0.71	
14	LEAARTFKRHIAGRRV	21	0.70	
14	EGIRSASSNPALTLPE	129	0.70	
14	AFVEDRTIFEGYSAAS	112	0.70	
15	SVLLSADVYTKVSETS	170	0.67	
16	DVISQALSELRLAGVD	151	0.62	

## OVERLAP DISPLAY

MNNLYRDLAPVTEAAWAEIELEAARTFKRHIAGRRVVDVSDPGGPVTAAVSTGRLIDVKAPTNGVIAHLRASKPLVRLRVPFT  
 LSRNEIDDVERGSKDSDWEPVKEAAKKLAFVEDRTIFEGYSAASIEGIRSASSNPALTLPEDPREIPDVISQALSELRLAGVD  
 GPYSVLLSADVYTKVSETSDHGYPIREHLNRLVDGDIWAPAI DGAFVLTTRGGDFDLQLGTDVAIGYASHD TDTVRLYLQET  
 LTFLCYTAEASVALSH<sup>265</sup>

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 R GSKDSDWEPVKEAAK-----  
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 GDIWAPAI DGAFVLT-----  
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 SETSDHGYPIREHLNR-----  
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 FVLTTRGGDFDLQLGT-----  
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 GYASHD TDTVRLYLQE-----  
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TLPEDPREIPDVISQA-----  
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SRNEIDDVERGSKDSD-----  
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REHLNRLVDGDI IWAP-----  
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GRRVVDVSDPGGPVTA-----  
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YSAASIEGIRSASSNP-----  
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FKRHIAGRRVVDVSDP-----  
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TEAAWAEIELEAARTF-----  
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VKEAAKKLAFVEDRTI-----  
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SELRLAGVDGPYSVLL-----  
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LQETLTFFLCYTAEASV-----  
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DVYTKVSETSDHGYPI-----  
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GVDGPYSVLLSADVYT-----  
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LEAARTFKRHIAGRRV-----  
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EGIRSASSNPALTLPE-----  
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AFVEDRTIFEGYSAAS-----  
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SVLLSADVYTKVSETS-----  
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DVISQALSELRLAGVD-----  
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