BcePred Prediction Server

The server displays 1.GRAPHICAL RESULT 2.TABULAR RESULT   3.Overlap Display

seqname=
Seq=VRAAGLLKRLNPRNRRSRVNPDATMSLVDHLTELRTRLLISLAAILVTTIFGFVWYSHSIFGLDSLGEWLRHP
YCALPQSARADISADGECRLLATAPFDQFMLRLKVGMAAGIVLACPVWFYQLWAFITPGLYQRERRFAVAFVIPAA
VLFVAGAVLAYLVLSKALGFLLTVGSDVQVTALSGDRYFGFLLNLLVVFGVSFEFPLLIVMLNLAGLLTYERLKSWR
RGLIFAMFVFAAIFTPGSDPFSMTALGAALTVLLELAIQIARVHDKRKAKREAAIPDDEASVIDPPSPVPAPSVIGSH
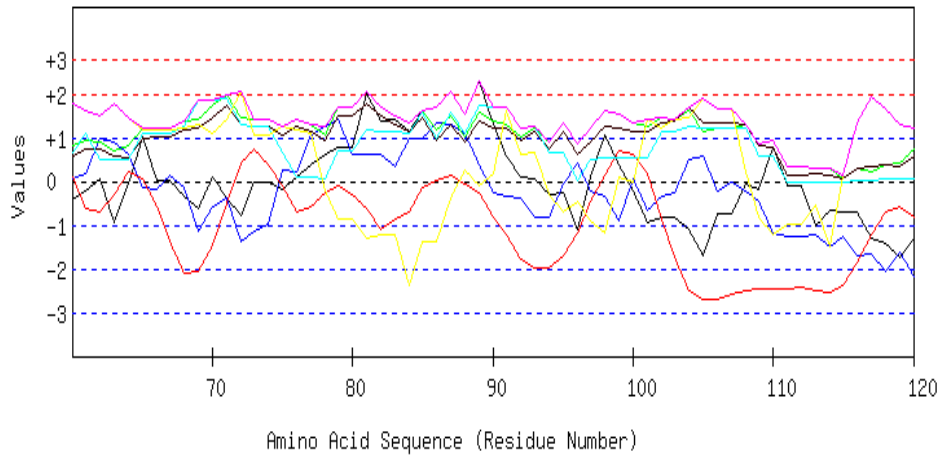DDVT

Length=308

GRAPHICAL RESULT

GRAPHICAL RESULT :: SEQ 1 to 60
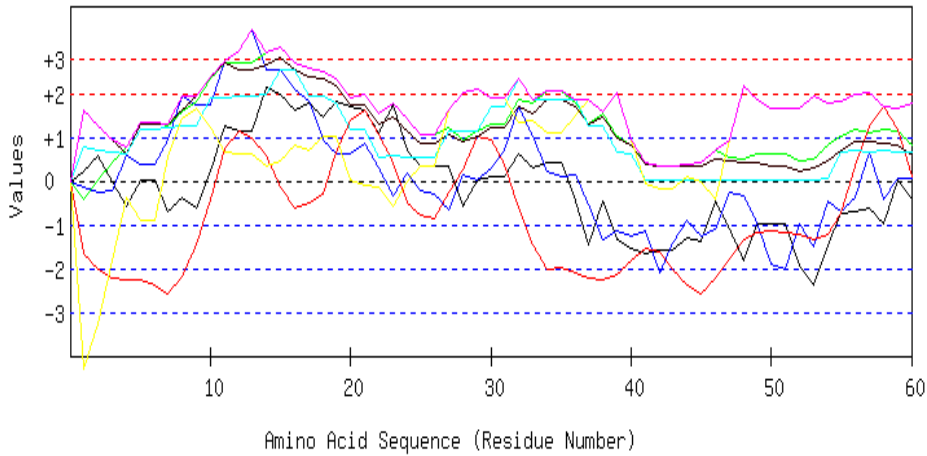
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 61 to 120

Amino Acid Sequence (Residue Number)

Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 121 to 180

Amino Acid Sequence (Residue Number)

Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 181 to 240

Amino Acid Sequence (Residue Number)

Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

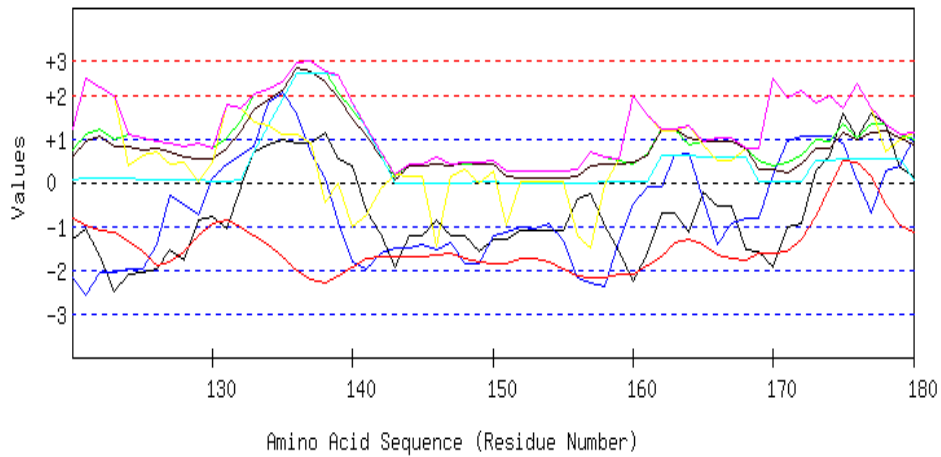# GRAPHICAL RESULT :: SEQ 241 to 300

Amino Acid Sequence (Residue Number)
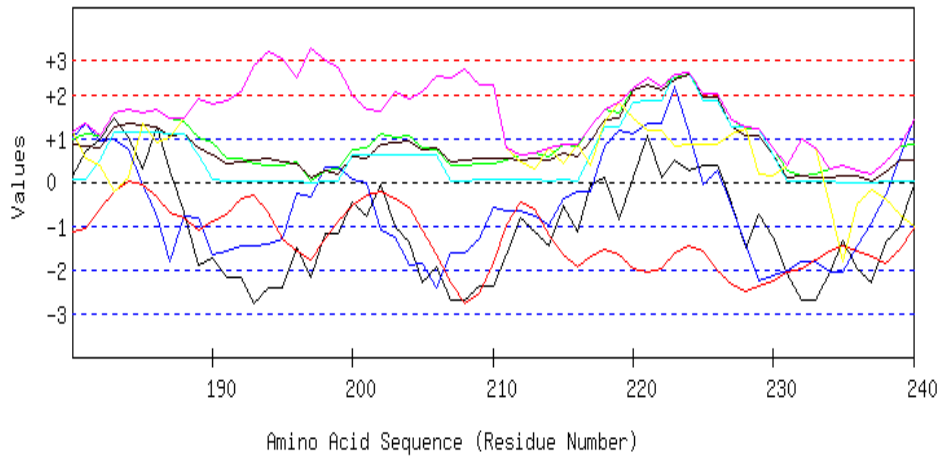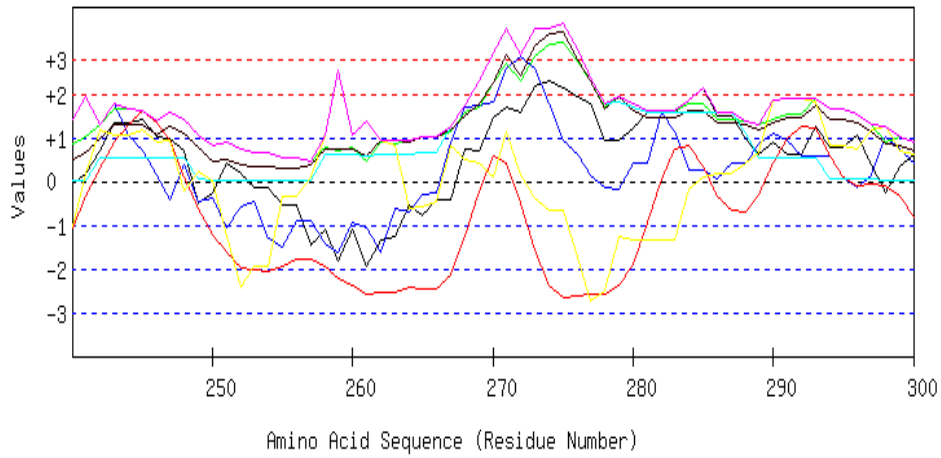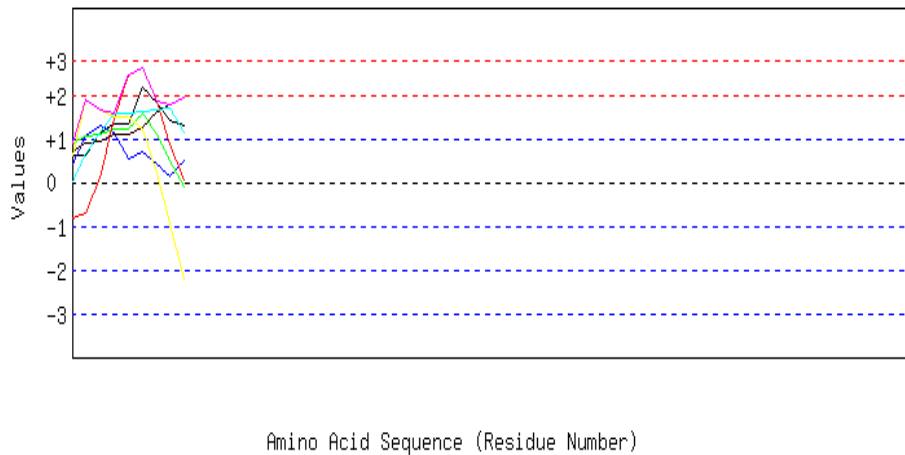
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 301 to 360

Amino Acid Sequence (Residue Number)

Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

TABULAR RESULT

Selected Programs: hydro flexi access turns surface polar antipro

Respective Threshold: 1.9 2 1.9 2.4 2.3 1.8 1.9

VRAAGLLKRLNPRNRRSRVNPDATMSLVDHLTELRTRLLISLAAILVTTIFGFVWYSHSI
FGLDSLGEWLRHPYCALPQSARADISADGECRLLATAPFDQFMLRLKVGMAAGIVLACPV
WFYQLWAFITPGLYQRERRFAVAFVIPAAVLFVAGAVLAYLVLSKALGFLLTVGSDVQVT
ALSGDRYFGFLLNLLVVFGVSFEFPLLIVMLNLAGLLTYERLKSWRRGLIFAMFVFAAIF
TPGSDPFSMTALGAALTVLLELAIQIARVHDKRKAKREAAIPDDEASVIDPPSPVPAPSV
IGSHDDVT

Length=308

A.A.					Parameter				Combined		
	Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	MIN	AVG
1 V	0.218	-0.134	-0.420	-1.666	1.622	0.776	-4.281	1.622	-4.281	-0.555
2 R	0.579	-0.242	0.029	-2.036	1.257	0.716	-3.271	1.257	-3.271	-0.424
3 A	-0.003	-0.224	0.403	-2.211	0.948	0.662	-1.825	0.948	-2.211	-0.322
4 A	-0.585	0.590	0.776	-2.244	0.638	0.607	-0.380	0.776	-2.244	-0.086
5 G	0.010	0.385	1.346	-2.275	1.285	1.200	-0.904	1.346	-2.275	0.150
6 L	0.010	0.367	1.346	-2.390	1.285	1.200	-0.904	1.346	-2.390	0.131
7 L	-0.705	0.930	1.262	-2.569	1.294	1.205	0.541	1.294	-2.569	0.280
8 K	-0.395	1.948	1.561	-2.198	1.604	1.246	1.438	1.948	-2.198	0.744
9 R	-0.623	1.726	1.814	-1.460	1.923	1.265	1.658	1.923	-1.460	0.900
10 L	0.225	1.726	2.328	-0.416	2.388	1.884	1.222	2.388	-0.416	1.337
11 N	1.249	2.743	2.711	0.722	2.688	1.919	0.674	2.743	0.674	1.815
12 P	1.154	2.990	2.692	1.125	2.524	1.949	0.608	2.990	0.608	1.863
13 R	1.154	3.445	2.692	0.971	2.524	1.949	0.608	3.445	0.608	1.906
14 N	2.147	2.535	2.926	0.598	2.670	1.964	0.333	2.926	0.333	1.882
15 R	1.970	2.535	3.057	-0.121	2.834	2.548	0.445	3.057	-0.121	1.895
16 R	1.603	2.080	2.692	-0.633	2.552	2.531	0.814	2.692	-0.633	1.663
17 S	1.780	1.806	2.561	-0.503	2.388	1.947	0.702	2.561	-0.503	1.526
18 R	1.470	0.950	2.505	-0.300	2.351	1.925	1.035	2.505	-0.300	1.420
19 V	1.837	0.628	2.346	0.667	2.196	1.789	1.027	2.346	0.628	1.499
20 N	1.704	0.610	1.917	1.397	1.722	1.165	0.017	1.917	0.017	1.219
21 P	1.622	0.856	1.963	1.633	1.722	1.165	-0.102	1.963	-0.102	1.266
22 D	1.091	0.293	1.524	1.077	1.294	0.557	-0.156	1.524	-0.156	0.811
23 A	1.736	-0.342	1.795	0.423	1.458	0.576	-0.585	1.795	-0.585	0.723
24 T	0.711	0.197	1.412	-0.511	1.157	0.540	-0.037	1.412	-0.511	0.496
25 M	0.345	-0.204	1.047	-0.795	0.875	0.523	0.332	1.047	-0.795	0.303
26 S	0.345	-0.294	1.047	-0.844	0.875	0.523	0.332	1.047	-0.844	0.283
27 L	0.345	-0.659	1.206	-0.267	1.048	1.143	1.609	1.609	-0.659	0.632
28 V	-0.566	0.121	0.926	0.250	0.902	1.128	2.003	2.003	-0.566	0.681

	1	2	3	4	5	6	7	8	9	10
29 D	0.029	0.013	1.132	1.010	1.011	1.131	2.099	2.099	0.013	0.918
30 H	0.111	0.287	1.309	0.952	1.221	1.711	1.913	1.913	0.111	1.072
31 L	0.111	0.688	1.309	0.400	1.221	1.711	1.913	1.913	0.111	1.050
32 T	0.610	1.706	1.860	-0.631	1.704	2.334	1.324	2.334	-0.631	1.272
33 E	0.307	1.010	1.786	-1.443	1.540	1.865	1.373	1.865	-1.443	0.920
34 L	0.440	0.231	2.057	-2.001	1.841	1.869	1.105	2.057	-2.001	0.792
35 R	0.440	0.111	2.057	-1.987	1.841	1.869	1.105	2.057	-1.987	0.777
36 T	-0.471	0.153	1.776	-2.081	1.695	1.855	1.499	1.855	-2.081	0.632
37 R	-1.470	-0.542	1.309	-2.235	1.312	1.257	1.847	1.847	-2.235	0.211
38 L	-0.477	-1.356	1.543	-2.243	1.458	1.272	1.572	1.572	-2.243	0.253
39 L	-1.324	-1.152	1.029	-2.142	0.993	0.653	2.008	2.008	-2.142	0.009
40 I	-1.520	-1.272	0.832	-1.826	0.838	0.633	0.957	0.957	-1.826	-0.194
41 S	-1.653	-1.152	0.403	-1.538	0.364	0.008	-0.052	0.403	-1.653	-0.517
42 L	-1.577	-2.103	0.346	-1.601	0.337	0.004	-0.165	0.346	-2.103	-0.680
43 A	-1.577	-1.408	0.346	-2.010	0.337	0.004	-0.165	0.346	-2.010	-0.639
44 A	-1.305	-0.917	0.365	-2.376	0.346	0.004	0.102	0.365	-2.376	-0.540
45 I	-1.388	-1.242	0.412	-2.578	0.346	0.004	-0.017	0.412	-2.578	-0.638
46 L	-0.477	-1.091	0.692	-2.228	0.492	0.019	-0.412	0.692	-2.228	-0.429
47 V	-1.116	-0.260	0.552	-1.788	0.474	0.020	0.920	0.920	-1.788	-0.171
48 T	-1.830	-0.338	0.487	-1.331	0.428	0.025	2.182	2.182	-1.830	-0.054
49 T	-0.964	-0.925	0.618	-1.171	0.401	0.023	1.860	1.860	-1.171	-0.023
50 I	-0.964	-1.919	0.636	-1.134	0.346	0.022	1.676	1.676	-1.919	-0.191
51 F	-0.964	-2.001	0.636	-1.183	0.346	0.022	1.676	1.676	-2.001	-0.210
52 G	-1.925	-0.971	0.459	-1.215	0.209	0.027	1.658	1.658	-1.925	-0.251
53 F	-2.374	-1.508	0.515	-1.347	0.291	0.026	1.949	1.949	-2.374	-0.350
54 V	-1.457	-0.478	0.804	-1.220	0.465	0.044	1.787	1.787	-1.457	-0.008
55 W	-0.743	-0.707	1.029	-0.747	0.683	0.660	1.803	1.803	-0.747	0.283
56 Y	-0.692	-0.378	1.188	0.323	0.884	0.680	1.963	1.963	-0.692	0.567
57 S	-0.616	0.656	1.113	1.255	0.911	0.678	2.034	2.034	-0.616	0.861
58 H	-0.964	-0.404	1.169	1.711	0.875	0.680	1.696	1.711	-0.964	0.680
59 S	0.029	0.045	1.141	1.173	0.811	0.655	1.674	1.674	0.029	0.790
60 I	-0.433	0.045	0.804	0.117	0.583	0.641	1.777	1.777	-0.433	0.505
61 F	-0.212	0.165	0.926	-0.624	0.747	1.110	1.608	1.608	-0.624	0.532
62 G	0.067	0.966	0.917	-0.680	0.729	0.510	1.501	1.501	-0.680	0.573
63 L	-0.926	0.914	0.683	-0.287	0.583	0.496	1.776	1.776	-0.926	0.463
64 D	-0.060	0.616	0.814	0.230	0.556	0.494	1.454	1.454	-0.060	0.586
65 S	1.015	-0.128	1.206	0.071	0.966	1.089	1.177	1.206	-0.128	0.771
66 L	0.022	-0.170	1.234	-0.579	1.030	1.114	1.199	1.234	-0.579	0.550
67 G	0.022	0.125	1.234	-1.383	1.030	1.114	1.199	1.234	-1.383	0.477
68 E	-0.344	-0.144	1.393	-2.100	1.185	1.250	1.207	1.393	-2.100	0.350
69 W	-0.623	-1.125	1.403	-2.064	1.203	1.850	1.314	1.850	-2.064	0.280
70 L	0.092	-0.587	1.730	-1.446	1.467	1.864	1.099	1.864	-1.446	0.603
71 R	-0.389	-0.382	1.991	-0.491	1.750	1.883	1.431	1.991	-0.491	0.828
72 H	-0.793	-1.400	1.449	0.431	1.294	1.301	2.080	2.080	-1.400	0.623
73 P	-0.028	-1.131	1.431	0.753	1.276	1.276	1.047	1.431	-1.131	0.660
74 Y	-0.028	-0.999	1.431	0.393	1.276	1.276	1.047	1.431	-0.999	0.628
75 C	-0.161	0.263	1.244	-0.119	1.075	0.670	1.268	1.268	-0.161	0.606
76 A	0.085	0.227	1.412	-0.687	1.276	0.093	1.164	1.412	-0.687	0.510
77 L	0.364	1.040	1.318	-0.594	1.157	0.094	1.104	1.318	-0.594	0.641
78 P	0.617	1.245	1.066	-0.278	0.920	0.074	-0.238	1.245	-0.278	0.487
79 Q	0.794	1.425	1.711	-0.097	1.485	0.681	-0.861	1.711	-0.861	0.734
80 S	0.794	0.610	1.711	-0.312	1.485	0.681	-0.861	1.711	-0.861	0.587
81 A	2.008	0.610	2.066	-0.605	1.795	1.165	-1.305	2.066	-1.305	0.819
82 R	1.369	0.610	1.683	-1.096	1.504	1.148	-1.203	1.683	-1.203	0.573
83 A	1.401	0.335	1.505	-0.858	1.285	1.125	-1.207	1.505	-1.207	0.512
84 D	1.122	0.962	1.356	-0.698	1.130	1.105	-2.377	1.356	-2.377	0.371
85 I	1.622	0.998	1.627	-0.154	1.449	1.594	-1.376	1.627	-1.376	0.823
86 S	1.717	1.359	1.188	0.012	0.929	0.970	-1.375	1.717	-1.375	0.686
87 A	2.077	1.317	1.515	0.142	1.294	1.569	-0.391	2.077	-0.391	1.075

88 D	1.533	1.113	1.029	-0.062	0.884	1.098	0.240	1.533	-0.062	0.834
89 G	2.305	0.369	1.599	-0.278	1.376	1.721	-0.082	2.305	-0.278	1.001
90 E	1.312	-0.258	1.365	-0.812	1.230	1.706	0.193	1.706	-0.812	0.677
91 C	0.598	-0.342	1.281	-1.223	1.239	1.712	1.638	1.712	-1.223	0.700
92 R	0.098	-0.378	1.010	-1.760	0.920	1.223	0.637	1.223	-1.760	0.250
93 L	0.067	-0.833	1.216	-1.995	1.121	1.243	0.677	1.243	-1.995	0.214
94 L	-0.294	-0.803	0.889	-1.994	0.756	0.643	-0.306	0.889	-1.994	-0.159
95 A	-0.250	-0.060	1.346	-1.696	1.121	0.644	-0.709	1.346	-1.696	0.057
96 T	-1.097	0.431	0.851	-1.165	0.601	0.024	-0.457	0.851	-1.165	-0.116
97 A	0.117	-0.234	1.206	-0.451	0.911	0.507	-0.901	1.206	-0.901	0.165
98 P	1.078	-0.348	1.617	0.141	1.276	0.544	-1.172	1.617	-1.172	0.448
99 F	0.364	-0.911	1.552	0.691	1.230	0.549	0.089	1.552	-0.911	0.509
100D	-0.231	0.077	1.346	0.624	1.121	0.546	-0.007	1.346	-0.231	0.497
101Q	-0.945	-0.667	1.262	0.168	1.130	0.551	1.438	1.438	-0.945	0.420
102F	-0.812	-0.326	1.449	-0.847	1.330	1.157	1.217	1.449	-0.847	0.453
103M	-0.812	-0.248	1.431	-1.757	1.385	1.158	1.401	1.431	-1.757	0.365
104L	-1.084	0.493	1.608	-2.489	1.704	1.264	1.475	1.704	-2.489	0.425
105R	-1.697	0.584	1.160	-2.707	1.321	1.223	1.901	1.901	-2.707	0.255
106L	-0.755	-0.230	1.216	-2.700	1.321	1.219	1.650	1.650	-2.700	0.246
107K	-0.755	-0.026	1.216	-2.572	1.321	1.219	1.650	1.650	-2.572	0.293
108V	-0.041	-0.230	1.300	-2.487	1.312	1.213	0.205	1.312	-2.487	0.182
109G	-0.174	-0.458	0.870	-2.475	0.838	0.589	-0.805	0.870	-2.475	-0.231
110M	0.768	-1.182	0.945	-2.442	0.784	0.583	-1.239	0.945	-2.442	-0.255
111A	-0.098	-1.272	0.356	-2.458	0.127	-0.010	-0.983	0.356	-2.458	-0.620
112A	-0.098	-1.272	0.356	-2.419	0.127	-0.010	-0.983	0.356	-2.419	-0.614
113G	-1.040	-1.236	0.281	-2.506	0.182	-0.004	-0.548	0.281	-2.506	-0.696
114I	-0.642	-1.504	0.290	-2.531	0.136	-0.021	-1.503	0.290	-2.531	-0.825
115V	-0.686	-1.276	0.075	-2.368	0.045	-0.004	0.130	0.130	-2.368	-0.583
116L	-0.686	-1.682	0.318	-1.853	0.319	0.015	1.360	1.360	-1.853	-0.316
117A	-1.280	-1.652	0.206	-1.220	0.355	0.017	1.948	1.948	-1.652	-0.232
118C	-1.407	-2.059	0.365	-0.702	0.392	0.040	1.649	1.649	-2.059	-0.246
119P	-1.754	-1.604	0.421	-0.591	0.355	0.043	1.311	1.311	-1.754	-0.260
120V	-1.293	-2.167	0.758	-0.822	0.583	0.057	1.208	1.208	-2.167	-0.239
121W	-1.046	-2.574	1.085	-0.978	0.957	0.099	2.382	2.382	-2.574	-0.011
122F	-1.716	-2.071	1.216	-1.092	1.057	0.087	2.194	2.194	-2.071	-0.047
123Y	-2.481	-2.071	0.991	-1.139	0.802	0.093	1.997	1.997	-2.481	-0.258
124Q	-2.115	-1.989	1.113	-1.342	0.811	0.092	0.398	1.113	-2.115	-0.433
125L	-2.064	-1.989	1.029	-1.563	0.747	0.071	0.627	1.029	-2.064	-0.449
126W	-1.988	-1.426	0.954	-1.883	0.774	0.068	0.697	0.954	-1.988	-0.400
127A	-1.539	-0.296	0.898	-1.809	0.692	0.069	0.406	0.898	-1.809	-0.226
128F	-1.786	-0.500	0.814	-1.591	0.592	0.045	0.462	0.814	-1.786	-0.280
129I	-0.844	-0.733	0.889	-1.209	0.537	0.040	0.028	0.889	-1.209	-0.185
130T	-0.793	0.083	0.786	-0.952	0.528	0.020	0.440	0.786	-0.952	0.016
131P	-1.046	0.405	1.038	-0.843	0.765	0.040	1.783	1.783	-1.046	0.306
132G	-0.085	0.622	1.431	-1.010	1.185	0.078	1.695	1.695	-1.010	0.559
133L	0.686	0.808	2.001	-1.205	1.677	0.701	1.372	2.001	-1.205	0.863
134Y	0.850	1.826	2.132	-1.435	1.886	1.280	1.305	2.132	-1.435	1.121
135Q	0.983	2.058	2.318	-1.710	2.087	1.886	1.084	2.318	-1.710	1.244
136R	0.888	1.567	2.758	-2.024	2.606	2.511	1.083	2.758	-2.024	1.341
137E	0.888	0.658	2.776	-2.237	2.552	2.509	0.899	2.776	-2.237	1.149
138R	1.141	0.083	2.524	-2.307	2.315	2.490	-0.443	2.524	-2.307	0.829
139R	0.528	-0.905	2.075	-2.153	1.932	2.449	-0.017	2.449	-2.153	0.558
140F	0.395	-1.815	1.646	-1.928	1.458	1.825	-1.027	1.825	-1.928	0.079
141A	-0.680	-1.965	1.253	-1.749	1.048	1.229	-0.749	1.253	-1.965	-0.230
142V	-1.179	-1.606	0.702	-1.708	0.565	0.606	-0.160	0.702	-1.708	-0.397
143A	-1.950	-1.510	0.132	-1.709	0.073	-0.017	0.163	0.163	-1.950	-0.688
144F	-1.236	-1.510	0.440	-1.688	0.392	-0.002	0.132	0.440	-1.688	-0.496
145V	-1.236	-1.432	0.440	-1.689	0.392	-0.002	0.132	0.440	-1.689	-0.485
146I	-0.869	-1.540	0.561	-1.646	0.401	-0.004	-1.467	0.561	-1.646	-0.652

147P	-1.236	-1.390	0.440	-1.628	0.392	-0.002	0.132	0.440	-1.628	-0.470
148A	-1.236	-1.845	0.421	-1.738	0.446	-0.001	0.316	0.446	-1.845	-0.519
149A	-1.584	-1.845	0.477	-1.827	0.410	0.002	-0.022	0.477	-1.845	-0.627
150V	-1.312	-1.218	0.496	-1.853	0.419	0.002	0.245	0.496	-1.853	-0.460
151L	-1.312	-1.121	0.253	-1.855	0.146	-0.017	-0.985	0.253	-1.855	-0.699
152F	-1.084	-1.013	0.244	-1.735	0.100	-0.017	0.025	0.244	-1.735	-0.497
153V	-1.084	-1.043	0.244	-1.727	0.100	-0.017	0.025	0.244	-1.727	-0.500
154A	-1.084	-0.947	0.244	-1.838	0.100	-0.017	0.025	0.244	-1.838	-0.503
155G	-1.084	-1.354	0.244	-1.964	0.100	-0.017	0.025	0.244	-1.964	-0.579
156A	-0.370	-2.185	0.309	-2.137	0.146	-0.022	-1.236	0.309	-2.185	-0.785
157V	-0.256	-2.282	0.683	-2.163	0.392	-0.004	-1.492	0.683	-2.282	-0.732
158L	-0.970	-2.390	0.599	-2.164	0.401	0.002	-0.047	0.599	-2.390	-0.653
159A	-1.565	-1.330	0.487	-2.107	0.437	0.003	0.541	0.541	-2.107	-0.505
160Y	-2.279	-0.498	0.403	-2.095	0.446	0.009	1.986	1.986	-2.279	-0.290
161L	-1.634	-0.092	0.674	-1.886	0.610	0.027	1.557	1.557	-1.886	-0.106
162V	-0.692	-0.092	1.206	-1.703	1.239	0.616	1.187	1.239	-1.703	0.252
163L	-0.692	0.632	1.206	-1.365	1.239	0.616	1.187	1.239	-1.365	0.403
164S	-1.154	0.662	0.870	-1.294	1.011	0.602	1.290	1.290	-1.294	0.284
165K	-0.212	-0.398	0.945	-1.400	0.957	0.597	0.856	0.957	-1.400	0.192
166A	-0.559	-1.434	1.001	-1.653	0.920	0.600	0.518	1.001	-1.653	-0.087
167L	-0.559	-0.943	1.001	-1.740	0.920	0.600	0.518	1.001	-1.740	-0.029
168G	-1.552	-0.835	0.767	-1.796	0.774	0.585	0.793	0.793	-1.796	-0.180
169F	-1.584	-0.835	0.515	-1.608	0.291	0.010	0.769	0.769	-1.608	-0.349
170L	-1.950	0.195	0.393	-1.601	0.282	0.012	2.368	2.368	-1.950	-0.043
171L	-1.008	0.938	0.468	-1.568	0.228	0.006	1.933	1.933	-1.568	0.142
172T	-0.958	1.046	0.627	-1.311	0.428	0.026	2.093	2.093	-1.311	0.279
173V	0.256	1.046	0.963	-0.769	0.793	0.511	1.832	1.832	-0.769	0.662
174G	0.604	1.046	0.926	-0.118	0.774	0.507	1.986	1.986	-0.118	0.818
175S	1.565	0.910	1.337	0.490	1.139	0.544	1.714	1.714	0.490	1.100
176D	1.002	0.055	1.019	0.461	0.975	0.526	2.262	2.262	0.055	0.900
177V	1.565	-0.689	1.337	0.127	1.139	0.544	1.714	1.714	-0.689	0.820
178Q	1.337	0.263	1.346	-0.485	1.185	0.544	0.704	1.346	-0.485	0.699
179V	0.345	0.399	1.113	-0.993	1.039	0.530	0.979	1.113	-0.993	0.487
180T	0.123	1.034	0.991	-1.157	0.875	0.061	1.148	1.148	-1.157	0.439
181A	0.718	1.357	1.103	-1.055	0.838	0.059	0.560	1.357	-1.055	0.512
182L	0.971	0.950	1.047	-0.625	0.784	0.506	0.387	1.047	-0.625	0.574
183S	1.470	0.980	1.599	-0.235	1.267	1.129	-0.202	1.599	-0.235	0.858
184G	1.021	0.752	1.655	0.030	1.349	1.128	0.089	1.655	0.030	0.861
185D	0.307	-0.050	1.589	-0.071	1.303	1.132	1.350	1.589	-0.071	0.794
186R	1.249	-0.793	1.664	-0.344	1.248	1.127	0.916	1.664	-0.793	0.724
187Y	0.256	-1.811	1.449	-0.715	1.048	1.111	1.007	1.449	-1.811	0.335
188F	-0.686	-0.795	1.375	-0.837	1.103	1.117	1.442	1.442	-0.837	0.388
189G	-1.900	-0.825	1.019	-1.107	0.793	0.633	1.886	1.886	-1.900	0.071
190F	-1.723	-1.656	0.889	-0.881	0.629	0.049	1.773	1.773	-1.723	-0.132
191L	-2.184	-1.578	0.552	-0.731	0.401	0.035	1.876	1.876	-2.184	-0.233
192L	-2.184	-1.470	0.533	-0.387	0.455	0.036	2.060	2.060	-2.184	-0.137
193N	-2.779	-1.440	0.421	-0.301	0.492	0.038	2.649	2.649	-2.779	-0.131
194L	-2.431	-1.422	0.365	-0.698	0.528	0.035	2.986	2.986	-2.431	-0.091
195L	-2.431	-1.314	0.384	-1.283	0.474	0.034	2.802	2.802	-2.431	-0.191
196V	-1.489	-0.254	0.459	-1.597	0.419	0.029	2.368	2.368	-1.597	-0.009
197V	-2.165	-0.332	0.038	-1.767	0.100	-0.010	3.069	3.069	-2.165	-0.152
198F	-1.173	0.339	0.272	-1.318	0.246	0.004	2.794	2.794	-1.318	0.166
199G	-1.173	0.339	0.290	-0.902	0.191	0.003	2.610	2.610	-1.173	0.194
200V	-0.446	0.071	0.739	-0.553	0.565	0.601	1.995	1.995	-0.553	0.425
201S	-0.793	-0.038	0.795	-0.286	0.528	0.604	1.658	1.658	-0.793	0.353
202F	-0.079	-1.097	1.103	-0.224	0.847	0.618	1.627	1.627	-1.097	0.399
203E	-1.021	-1.248	1.029	-0.374	0.902	0.624	2.061	2.061	-1.248	0.282
204F	-1.369	-1.919	1.066	-0.573	0.920	0.628	1.908	1.908	-1.919	0.094
205P	-2.285	-1.859	0.776	-1.090	0.747	0.609	2.069	2.069	-2.285	-0.147

206L	-1.938	-2.422	0.720	-1.665	0.784	0.607	2.407	2.407	-2.422	-0.215
207L	-2.696	-1.608	0.384	-2.315	0.465	0.024	2.378	2.378	-2.696	-0.481
208I	-2.696	-1.608	0.365	-2.781	0.519	0.026	2.562	2.562	-2.781	-0.516
209V	-2.387	-1.284	0.421	-2.530	0.556	0.047	2.229	2.229	-2.530	-0.421
210M	-2.387	-0.560	0.421	-1.878	0.556	0.047	2.229	2.229	-2.387	-0.225
211L	-1.672	-0.651	0.505	-0.980	0.547	0.042	0.784	0.784	-1.672	-0.204
212N	-0.806	-0.651	0.636	-0.462	0.519	0.040	0.462	0.636	-0.806	-0.037
213L	-1.154	-0.769	0.674	-0.603	0.537	0.044	0.309	0.674	-1.154	-0.137
214A	-1.470	-0.971	0.599	-1.233	0.501	0.032	0.799	0.799	-1.470	-0.249
215G	-0.559	-0.396	0.879	-1.653	0.647	0.047	0.405	0.879	-1.653	-0.090
216L	-1.122	-0.210	0.832	-1.946	0.574	0.025	0.850	0.850	-1.946	-0.142
217L	-0.047	-0.210	1.244	-1.696	0.929	0.620	0.388	1.244	-1.696	0.175
218T	0.085	0.826	1.674	-1.557	1.403	1.244	1.398	1.674	-1.557	0.725
219Y	-0.857	1.191	1.599	-1.658	1.458	1.250	1.832	1.832	-1.658	0.688
220E	0.085	1.095	2.132	-1.993	2.087	1.839	1.462	2.132	-1.993	0.958
221R	1.078	1.333	2.365	-2.060	2.233	1.853	1.187	2.365	-2.060	1.141
222L	0.117	1.333	2.188	-1.988	2.096	1.859	1.169	2.188	-1.988	0.968
223K	0.503	2.164	2.365	-1.612	2.333	2.464	0.836	2.464	-1.612	1.293
224S	0.275	1.129	2.468	-1.454	2.442	2.489	0.861	2.489	-1.454	1.173
225W	0.370	-0.052	2.029	-1.590	1.923	1.865	0.862	2.029	-1.590	0.772
226R	0.370	0.277	2.029	-2.022	1.923	1.865	0.862	2.029	-2.022	0.758
227R	-0.496	-0.536	1.440	-2.346	1.267	1.272	1.119	1.440	-2.346	0.245
228G	-1.489	-1.464	1.225	-2.501	1.066	1.256	1.210	1.256	-2.501	-0.100
229L	-0.724	-2.266	1.206	-2.392	1.048	1.231	0.178	1.231	-2.392	-0.245
230I	-1.255	-2.157	0.767	-2.274	0.619	0.623	0.124	0.767	-2.274	-0.508
231F	-2.102	-2.007	0.272	-2.079	0.100	0.003	0.376	0.376	-2.102	-0.777
232A	-2.696	-1.833	0.160	-2.000	0.136	0.004	0.964	0.964	-2.696	-0.752
233M	-2.696	-1.833	0.178	-1.799	0.082	0.003	0.780	0.780	-2.696	-0.755
234F	-2.058	-2.043	0.318	-1.590	0.100	0.001	-0.551	0.318	-2.058	-0.832
235V	-1.343	-2.043	0.384	-1.458	0.146	-0.003	-1.813	0.384	-2.043	-0.876
236F	-1.982	-1.456	0.244	-1.566	0.127	-0.001	-0.481	0.244	-1.982	-0.731
237A	-2.298	-0.923	0.188	-1.682	0.036	-0.014	-0.175	0.188	-2.298	-0.695
238A	-1.388	-0.296	0.449	-1.860	0.237	0.002	-0.385	0.449	-1.860	-0.463
239I	-1.021	0.560	0.814	-1.524	0.519	0.019	-0.754	0.814	-1.524	-0.198
240F	-0.079	1.423	0.870	-1.061	0.519	0.015	-1.005	1.423	-1.061	0.098
241T	0.199	1.956	1.019	-0.321	0.674	0.035	0.165	1.956	-0.321	0.533
242P	0.699	1.291	1.290	0.293	0.993	0.524	1.166	1.291	0.293	0.894
243G	1.337	1.788	1.674	0.904	1.285	0.541	1.065	1.788	0.541	1.228
244S	1.337	1.046	1.674	1.301	1.285	0.541	1.065	1.674	0.541	1.178
245D	1.420	0.682	1.627	1.624	1.285	0.541	1.184	1.627	0.541	1.195
246P	1.021	0.143	1.375	1.337	1.057	0.539	0.909	1.375	0.143	0.911
247F	0.990	-0.420	1.580	0.923	1.257	0.559	0.949	1.580	-0.420	0.834
248S	0.711	0.381	1.431	0.118	1.103	0.539	-0.221	1.431	-0.221	0.580
249M	-0.503	-0.474	1.075	-0.618	0.793	0.056	0.223	1.075	-0.618	0.079
250T	-0.275	-0.360	0.823	-1.237	0.474	0.037	0.003	0.823	-1.237	-0.076
251A	0.440	-1.055	0.889	-1.626	0.519	0.032	-1.258	0.889	-1.626	-0.294
252L	0.161	-0.564	0.739	-1.969	0.364	0.012	-2.428	0.739	-2.428	-0.526
253G	-0.155	-0.456	0.664	-2.035	0.328	0.001	-1.938	0.664	-2.035	-0.513
254A	-0.155	-1.288	0.664	-2.044	0.328	0.001	-1.938	0.664	-2.044	-0.633
255A	-0.521	-1.492	0.543	-1.948	0.319	0.002	-0.339	0.543	-1.948	-0.491
256L	-0.521	-0.917	0.543	-1.793	0.319	0.002	-0.339	0.543	-1.793	-0.387
257T	-1.464	-0.917	0.468	-1.792	0.373	0.008	0.096	0.468	-1.792	-0.461
258V	-1.103	-1.408	0.795	-1.920	0.738	0.607	1.080	1.080	-1.920	-0.173
259L	-1.818	-1.636	0.711	-2.200	0.747	0.613	2.525	2.525	-2.200	-0.151
260L	-1.103	-0.941	0.795	-2.382	0.738	0.607	1.080	1.080	-2.382	-0.172
261E	-1.938	-1.061	0.459	-2.594	0.565	0.589	1.361	1.361	-2.594	-0.374
262L	-1.324	-1.636	0.907	-2.520	0.948	0.630	0.935	0.948	-2.520	-0.294
263A	-1.249	-0.619	0.851	-2.524	0.920	0.626	0.822	0.920	-2.524	-0.167
264I	-0.534	-0.715	0.935	-2.420	0.911	0.621	-0.623	0.935	-2.420	-0.261

265Q	-0.762	-0.300	1.038	-2.440	1.020	0.646	-0.598	1.038	-2.440	-0.199
266I	-0.414	-0.252	1.001	-2.447	1.002	0.642	-0.444	1.002	-2.447	-0.130
267A	-0.414	0.904	1.160	-2.122	1.175	1.262	0.834	1.262	-2.122	0.400
268R	0.724	1.718	1.571	-1.250	1.513	1.749	0.503	1.749	-1.250	0.932
269V	0.705	1.736	1.692	-0.232	1.777	2.301	0.405	2.301	-0.232	1.198
270H	1.476	1.832	2.262	0.585	2.269	2.924	0.082	2.924	0.082	1.633
271D	1.704	2.573	2.711	0.439	2.907	3.519	1.157	3.519	0.439	2.144
272K	1.571	2.848	2.281	-0.490	2.433	2.894	0.148	2.894	-0.490	1.669
273R	2.166	2.591	2.851	-1.563	3.080	3.487	-0.376	3.487	-1.563	1.748
274K	2.298	1.778	3.122	-2.368	3.381	3.492	-0.644	3.492	-2.368	1.580
275A	2.159	0.946	3.178	-2.663	3.427	3.603	-0.661	3.603	-2.663	1.427
276K	1.932	0.622	2.730	-2.633	2.789	3.008	-1.736	3.008	-2.633	0.959
277R	1.799	0.149	2.300	-2.582	2.315	2.383	-2.746	2.383	-2.746	0.517
278E	0.933	-0.126	1.711	-2.571	1.658	1.791	-2.489	1.791	-2.571	0.130
279A	0.933	-0.162	1.954	-2.384	1.932	1.809	-1.259	1.954	-2.384	0.403
280A	1.205	0.413	1.776	-1.903	1.613	1.704	-1.333	1.776	-1.903	0.496
281I	1.571	0.413	1.617	-0.942	1.458	1.568	-1.341	1.617	-1.341	0.621
282P	1.571	1.593	1.617	0.070	1.458	1.568	-1.341	1.617	-1.341	0.934
283D	1.571	1.139	1.617	0.759	1.458	1.568	-1.341	1.617	-1.341	0.967
284D	1.849	0.275	1.767	0.823	1.613	1.588	-0.171	1.849	-0.171	1.106
285E	2.121	0.275	1.786	0.337	1.622	1.588	0.096	2.121	0.096	1.118
286A	1.483	0.059	1.403	-0.354	1.330	1.571	0.198	1.571	-0.354	0.813
287S	1.483	0.417	1.403	-0.650	1.330	1.571	0.198	1.571	-0.650	0.822
288V	0.983	0.417	1.375	-0.699	1.285	1.101	0.427	1.375	-0.699	0.698
289I	0.623	0.872	1.290	-0.282	1.194	0.520	0.673	1.290	-0.282	0.699
290D	0.901	1.101	1.440	0.407	1.349	0.540	1.843	1.843	0.407	1.083
291P	0.623	0.920	1.533	0.999	1.467	0.539	1.903	1.903	0.539	1.141
292P	0.623	0.562	1.533	1.260	1.467	0.539	1.903	1.903	0.539	1.127
293S	1.261	0.562	1.917	1.213	1.759	0.556	1.801	1.917	0.556	1.295
294P	0.762	0.562	1.646	0.565	1.440	0.067	0.800	1.646	0.067	0.834
295V	0.762	0.107	1.646	0.102	1.440	0.067	0.800	1.646	0.067	0.703
296P	1.040	-0.122	1.552	-0.091	1.321	0.068	0.740	1.552	-0.122	0.644
297A	0.395	0.147	1.281	-0.072	1.157	0.050	1.169	1.281	-0.072	0.590
298P	-0.243	1.002	0.898	-0.095	0.866	0.033	1.271	1.271	-0.243	0.533
299S	0.351	0.734	1.010	-0.337	0.829	0.031	0.682	1.010	-0.337	0.471
300V	0.629	0.417	0.917	-0.805	0.711	0.032	0.622	0.917	-0.805	0.360
301I	0.629	1.052	1.075	-0.711	0.884	0.652	1.899	1.899	-0.711	0.783
302G	1.129	1.281	1.103	0.099	0.929	1.122	1.671	1.671	0.099	1.048
303S	1.350	1.145	1.225	1.459	1.093	1.591	1.502	1.591	1.093	1.338
304H	1.350	0.544	1.225	2.459	1.093	1.591	1.502	2.459	0.544	1.395
305D	2.185	0.708	1.561	2.635	1.267	1.609	1.221	2.635	0.708	1.598
306D	1.824	0.423	1.113	1.871	1.631	1.669	0.210	1.871	0.210	1.249
307V	1.413	0.139	0.505	0.866	1.795	1.709	-0.960	1.795	-0.960	0.781
308T	1.280	0.489	-0.111	0.057	1.941	1.149	-2.237	1.941	-2.237	0.367

Overlap Display

Selected Programs: hydro flexi access turns surface polar antipro

Respective Threshold: 1.9 2 1.9 2.4 2.3 1.8 1.9

The predicted B-cell epitopes are shown in blue colour and underlined.

Sequence	[1]VRAAGLLKRLNPRNRRSRVNPDATMSLVDHLTELRTRLLISLAAILVTTIFGFVWYSHSIFGLDSL GEWLRHPYCALPQSARADISADGECRLLATAPFDQFMLRLKVGMAAGIVLACPVWFYQLWAFIT PGLYQRERRFAVAFVIPAAVLFVAGAVLAYLVLSKALGFLLTVGSDVQVTALSGDRYFGFLLNLLVV FGVSFEFPLLIVMLNLAGLLTYERLKSWRRGLIFAMFVFAAIFTPGSDPFSMTALGAALTVLLELAIQ IARVHDKRKAKREAAIPDDEASVIDPPSPVPAPSVIGSHDDVT[308]
Hydrophilicity	[1]VRAAGLLKRL<u>NPRNRRSR</u>VNPDATMSLVDHLTELRTRLLISLAAILVTTIFGFVWYSHSIFGLDSL GEWLRHPYCAL<u>PQSARADISADGECR</u>LLATAPFDQFMLRLKVGMAAGIVLACPVWFYQLWAFIT PGLYQRERRFAVAFVIPAAVLFVAGAVLAYLVLSKALGFLLTVGSDVQVTALSGDRYFGFLLNLLVV FGVSFEFPLLIVMLNLAGLLTYERLKSWRRGLIFAMFVFAAIFTPGSDPFSMTALGAALTVLLELAIQ IARV<u>HDKRKAKREA</u>AI<u>PDDEASV</u>IDPPSPVPAPSVI<u>GSHDDVT</u>[308]
Flexibility	[1]VRAAGLL<u>KRLNPRNRRSRV</u>NPDATMSLVDHLTELRTRLLISLAAILVTTIFGFVWYSHSIFGLDSL GEWLRHPYCALPQSARADISADGECRLLATAPFDQFMLRLKVGMAAGIVLACPVWFYQLWAFIT P<u>GLYQRER</u>RFAVAFVIPAAVLFVAGAVLAYLVLSKALGFLLTVGSDVQVTALSGDRYFGFLLNLLVV FGVSFEFPLLIVMLNLAGLLTY<u>ERLKSWR</u>RGLIFAMFVFAAIFTPGSDPFSMTALGAALTVLLELAIQ IA<u>RVHDKRKAK</u>REAAIPDDEASVIDPPSPVPAPSVIGSHDDVT[308]
Accessibility	[1]VRAAGL<u>LKRLNPRNRRSRVNPDAT</u>MSLVDH<u>LTELRTRL</u>LISLAAILVTTIFGFVWYSHSIFGLDSL G<u>EWLRHPY</u>CAL<u>PQSARAD</u>ISADGECRLLATAPFDQFMLRLKVGMAAGIVLACPVWFYQLWAFI<u>T PGLYQRERRFAV</u>AFVIPAAVLFVAGAVLAYLVLSKALGFLLTVGSDVQVTALSGDRYFGFLLNLLVV FGVSFEFPLLIVMLNLAGL<u>LTYERLKSWRRGL</u>IFAMFVFAAIFTPGSDPFSMTALGAALTVLLELAIQ IA<u>RVHDKRKAKREAAIP</u>DDEASVI<u>DPPSPVP</u>APSVIGSHDDVT[308]
Turns	[1]VRAAGLLKRLNPRNRRSRVNPDATMSLVDHLTELRTRLLISLAAILVTTIFGFVWYSHSIFGLDSL GEWLRHPYCALPQSARADISADGECRLLATAPFDQFMLRLKVGMAAGIVLACPVWFYQLWAFIT PGLYQRERRFAVAFVIPAAVLFVAGAVLAYLVLSKALGFLLTVGSDVQVTALSGDRYFGFLLNLLVV FGVSFEFPLLIVMLNLAGLLTYERLKSWRRGLIFAMFVFAAIFTPGSDPFSMTALGAALTVLLELAIQ IARVHDKRKAKREAAIPDDEASVIDPPSPVPAPSV<u>IGSHDDVT</u>[308]
Exposed Surface	[1]VRAAGL<u>LKRLNPRNRRSRVNP</u>DATMSLVDHLTELRTRLLISLAAILVTTIFGFVWYSHSIFGLDSL GEWLRHPYCALPQSARADISADGECRLLATAPFDQFMLRLKVGMAAGIVLACPVWFYQLWAFIT PG<u>LYQRERRFA</u>VAFVIPAAVLFVAGAVLAYLVLSKALGFLLTVGSDVQVTALSGDRYFGFLLNLLVV FGVSFEFPLLIVMLNLAGLLTY<u>ERLKSWRR</u>GLIFAMFVFAAIFTPGSDPFSMTALGAALTVLLELAIQ IA<u>RVHDKRKAKREAA</u>IPDDEASVIDPPSPVPAPSVIGSHDDVT[308]
Polarity	[1]VRAAGL<u>LKRLNPRNRRSRVNP</u>DATMSLV<u>DHLTELRTRLL</u>ISLAAILVTTIFGFVWYSHSIFGLDS<u>L GEWLRHPY</u>CALPQSARADISADGECRLLATAPFDQFMLRLKVGMAAGIVLACPVWFYQLWAFIT P<u>GLYQRERRFAVA</u>FVIPAAVLFVAGAVLAYLVLSKALGFLLTVGSDVQVTALSGDRYFGFLLNLLVV FGVSFEFPLLIVMLNLAGL<u>LTYERLKSWRRGL</u>IFAMFVFAAIFTPGSDPFSMTALGAALTVLLELAIQ <u>IARVHDKRKAKREAAIP</u>DDEASVIDPPSPVPAPSVIGSHDDVT[308]
Antigenic Propensity	[1]VRAAGLLKRLNPRNRRSRVNPDAT<u>MSLVDHLTEL</u>R<u>TRLLISL</u>AA<u>ILVTTIFGFVWYSHSI</u>FGLDSL GE<u>WLRHPYC</u>ALPQSARADISADGECRLLATAPFDQ<u>FMLRLKV</u>GMAAG<u>IVLACPVWFYQLW</u>AFIT PGLYQRERRFAVAFVIPAAVLFVAGA<u>VLAYLVL</u>SKA<u>LGFLLTVGSDVQV</u>TALSGDRYF<u>GFLLNLLVV FGVSFEFPLLIVMLNL</u>AGLLTYERLKSWRRGLIFAMFVFAAIFTPGSDPFSMTALGAA<u>LTVLLEL</u>AIQ IARVHDKRKAKREAAIPDDEAS<u>VIDPPSPV</u>PAPSVIGSHDDVT[308]

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