BcePred Prediction Server

The server displays 1.<u>GRAPHICAL RESULT</u>   2.<u>TABULAR RESULT</u>   3.<u>Overlap Display</u>
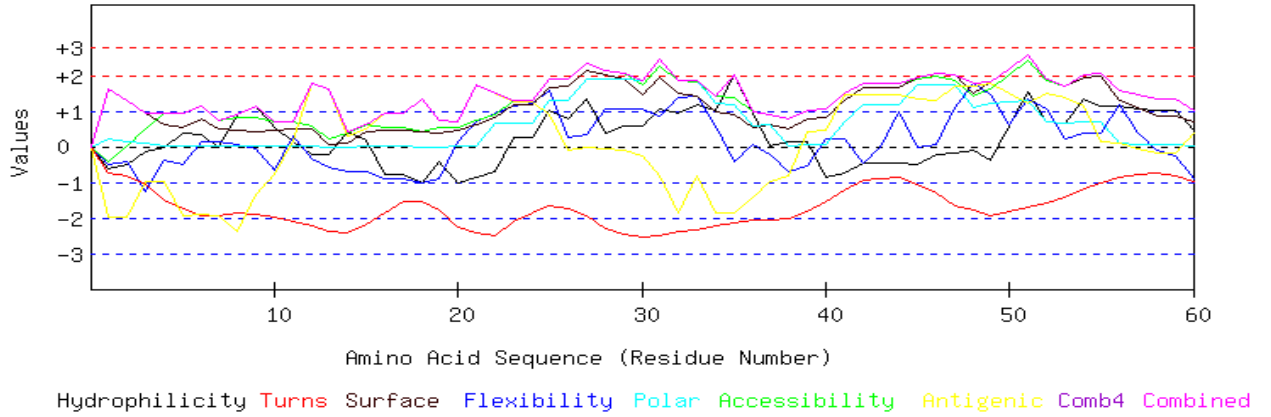
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L
    LALLAVTAANFFTVGA

Length=316

GRAPHICAL RESULT

GRAPHICAL RESULT :: SEQ 1 to 60

Values

Amino Acid Sequence (Residue Number)

Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 61 to 120

Values

Amino Acid Sequence (Residue Number)

Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 121 to 180

Values

+3
+2
+1
0
-1
-2
-3

130   140   150   160   170   180

Amino Acid Sequence (Residue Number)

Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 181 to 240

Values

+3
+2
+1
0
-1
-2
-3

190   200   210   220   230   240

Amino Acid Sequence (Residue Number)

Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 241 to 300

Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 301 to 360

Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

TOP

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

```
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VALVIVIVAETGRLPVDNPATHLELTMVHEAMVLEYAGPRLALVEWAAGMRLTVLLALLA
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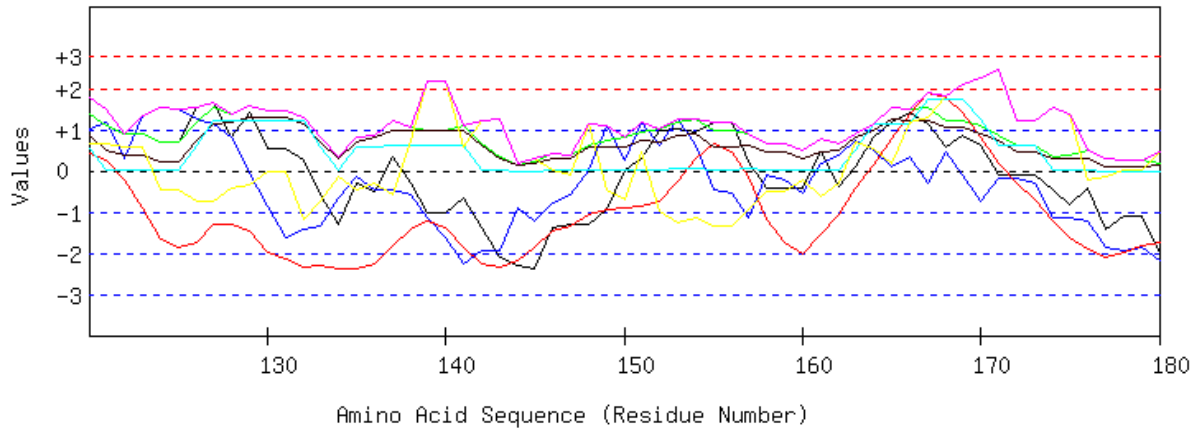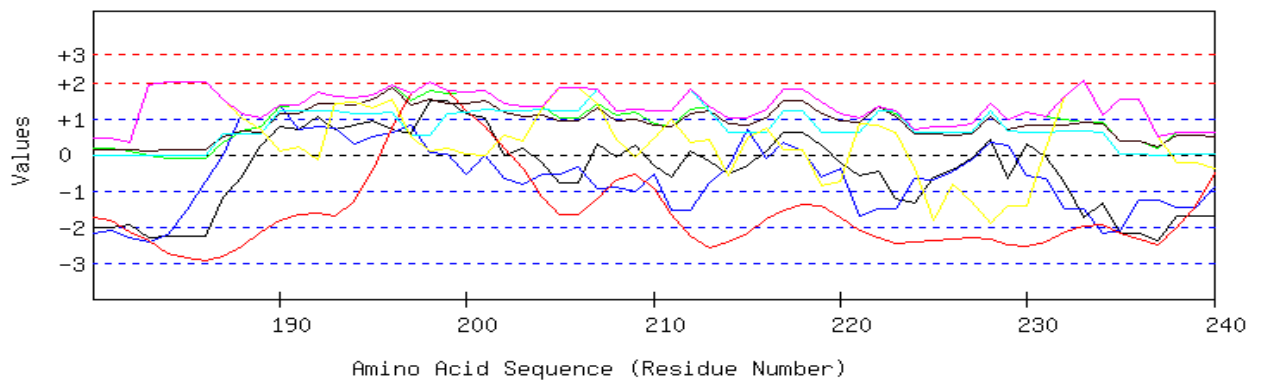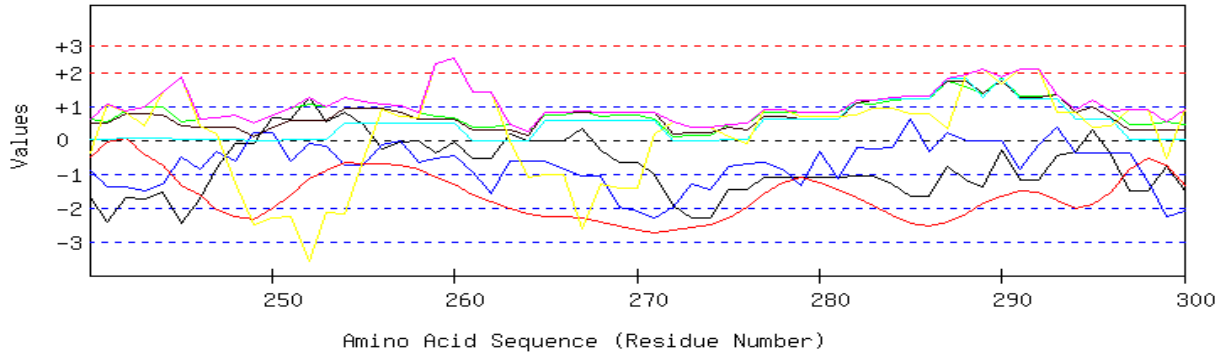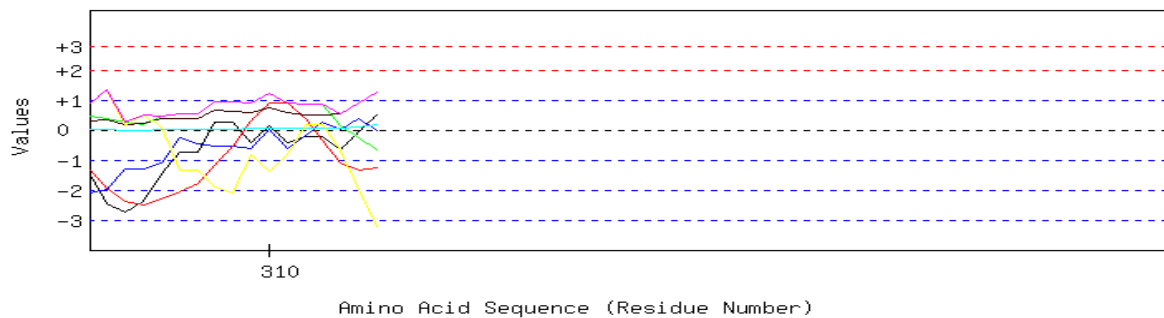
Length=316

A.A.   **Parameter**

        Combined

		Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	
MIN	AVG									
1 M		-0.635	-0.516	-0.420	-0.734	1.604	0.212	-1.977	1.604	-1.977
-0.352										
2 S		-0.503	-0.402	0.038	-0.832	1.285	0.152	-1.977	1.285	-1.977
-0.320										
3 Y		-0.142	-1.258	0.487	-1.047	0.920	0.092	-0.966	0.920	-1.258
-0.273										
4 L		-0.009	-0.360	0.945	-1.486	0.601	0.032	-0.966	0.945	-1.486
-0.178										
5 A		0.389	-0.480	0.954	-1.756	0.556	0.015	-1.921	0.954	-1.921
-0.321										
6 G		0.357	0.147	1.132	-1.924	0.774	0.037	-1.918	1.132	-1.924
-0.199										
7 A		-0.028	0.147	0.739	-1.930	0.519	0.019	-1.928	0.739	-1.930
-0.352										
8 A		0.914	0.051	0.814	-1.851	0.465	0.014	-2.363	0.914	-2.363
-0.280										
9 Q		1.141	-0.064	0.804	-1.897	0.419	0.014	-1.353	1.141	-1.897
-0.133										
10 I		0.547	-0.651	0.692	-1.967	0.455	0.016	-0.764	0.692	-1.967
-0.239										
11 G		0.149	0.301	0.683	-2.114	0.501	0.033	0.191	0.683	-2.114
-0.037										
12 G		-0.218	-0.326	0.561	-2.215	0.492	0.034	1.790	1.790	-2.215
0.017										
13 V		-0.237	-0.595	0.225	-2.398	0.073	-0.008	1.627	1.627	-2.398
-0.188										
14 M		0.402	-0.703	0.365	-2.411	0.091	-0.010	0.295	0.402	-2.411
-0.282										
15 V		0.174	-0.685	0.618	-2.197	0.410	0.009	0.514	0.618	-2.197
-0.165										
16 G		-0.768	-0.913	0.543	-1.880	0.465	0.015	0.949	0.949	-1.880
-0.227										
17 A		-0.768	-0.913	0.543	-1.537	0.465	0.015	0.949	0.949	-1.537
-0.178										
18 P		-1.008	-1.027	0.412	-1.527	0.401	-0.001	1.326	1.326	-1.527
-0.204										
19 L		-0.414	-0.895	0.524	-1.767	0.364	-0.002	0.738	0.738	-1.767
-0.207										
20 V		-1.040	0.123	0.524	-2.262	0.455	0.015	0.682	0.682	-2.262
-0.215										
21 I		-0.844	0.710	0.720	-2.406	0.610	0.035	1.733	1.733	-2.406
0.080										

#	Res									
22	G	-0.711	0.938	0.907	-2.493	0.811	0.640	1.512	1.512	-2.493
		0.229								
23	M	0.250	1.125	1.318	-2.114	1.175	0.677	1.240	1.318	-2.114
		0.525								
24	T	0.250	1.239	1.318	-1.859	1.175	0.677	1.240	1.318	-1.859
		0.577								
25	R	1.021	1.561	1.889	-1.644	1.668	1.300	0.918	1.889	-1.644
		0.959								
26	Q	0.794	0.245	1.898	-1.750	1.713	1.300	-0.092	1.898	-1.750
		0.587								
27	V	1.325	0.329	2.337	-1.938	2.142	1.908	-0.038	2.337	-1.938
		0.866								
28	R	0.364	1.052	2.160	-2.296	2.005	1.913	-0.057	2.160	-2.296
		0.734								
29	A	0.591	1.052	2.057	-2.466	1.895	1.888	-0.082	2.057	-2.466
		0.705								
30	R	0.572	1.052	1.720	-2.552	1.476	1.846	-0.245	1.846	-2.552
		0.553								
31	W	1.072	0.866	2.272	-2.512	1.959	2.469	-0.835	2.469	-2.512
		0.756								
32	E	0.939	1.369	1.842	-2.398	1.485	1.844	-1.844	1.844	-2.398
		0.462								
33	G	1.167	1.421	1.832	-2.323	1.440	1.844	-0.834	1.844	-2.323
		0.650								
34	R	1.034	0.590	1.403	-2.238	0.966	1.219	-1.843	1.403	-2.238
		0.161								
35	A	2.026	-0.428	1.375	-2.142	0.902	1.194	-1.865	2.026	-2.142
		0.152								
36	G	0.952	0.063	0.963	-2.065	0.547	0.600	-1.403	0.963	-2.065
		-0.049								
37	A	0.010	-0.206	0.889	-2.071	0.601	0.605	-0.969	0.889	-2.071
		-0.163								
38	G	0.123	-0.709	0.786	-2.018	0.501	0.023	-0.805	0.786	-2.018
		-0.300								
39	L	0.123	-0.522	1.029	-1.817	0.774	0.042	0.425	1.029	-1.817
		0.008								
40	L	-0.869	0.221	1.057	-1.524	0.838	0.067	0.447	1.057	-1.524
		0.034								
41	Q	-0.736	0.221	1.487	-1.219	1.312	0.692	1.457	1.487	-1.219
		0.459								
42	P	-0.465	-0.474	1.767	-0.920	1.677	1.181	1.447	1.767	-0.920
		0.602								
43	W	-0.465	-0.001	1.767	-0.894	1.677	1.181	1.447	1.767	-0.894
		0.673								
44	R	-0.465	0.992	1.767	-0.874	1.677	1.181	1.447	1.767	-0.874
		0.818								
45	D	-0.484	-0.026	1.889	-1.064	1.941	1.733	1.349	1.941	-1.064
		0.763								
46	L	-0.237	0.063	1.973	-1.313	2.041	1.757	1.293	2.041	-1.313
		0.797								
47	L	-0.186	1.099	1.870	-1.668	2.032	1.737	1.705	2.032	-1.668
		0.941								
48	K	-0.092	1.794	1.431	-1.771	1.513	1.112	1.706	1.794	-1.771
		0.813								
49	Q	-0.363	1.453	1.608	-1.952	1.832	1.218	1.780	1.832	-1.952
		0.797								
50	L	0.598	0.638	2.019	-1.802	2.196	1.255	1.509	2.196	-1.802
		0.916								
51	G	1.559	1.333	2.431	-1.687	2.561	1.292	1.237	2.561	-1.687
		1.246								
52	K	0.692	1.064	1.842	-1.561	1.905	0.699	1.494	1.905	-1.561

Residue										
53 Q	0.642	0.233	1.711	-1.401	1.686	0.676	1.371	1.711	-1.401	0.703
54 Q	1.356	0.369	2.038	-1.168	1.950	0.690	1.156	2.038	-1.168	0.913
55 I	1.129	0.369	2.047	-1.036	1.996	0.690	0.146	2.047	-1.036	0.763
56 T	1.129	1.185	1.589	-0.869	1.312	0.095	0.081	1.589	-0.869	0.646
57 P	1.078	0.369	1.459	-0.775	1.093	0.073	-0.042	1.459	-0.775	0.465
58 A	1.028	-0.086	1.328	-0.757	0.875	0.050	-0.164	1.328	-0.757	0.325
59 G	1.028	-0.260	1.328	-0.812	0.875	0.050	-0.164	1.328	-0.812	0.292
60 T	0.465	-0.887	1.010	-0.998	0.711	0.032	0.384	1.010	-0.998	0.102
61 T	-0.250	-1.378	0.702	-1.254	0.392	0.017	0.415	0.702	-1.378	-0.194
62 I	-0.250	-1.869	0.702	-1.497	0.392	0.017	0.415	0.702	-1.869	-0.299
63 V	-0.477	-1.186	0.711	-1.653	0.437	0.017	-0.595	0.711	-1.653	-0.392
64 F	-0.673	-1.186	0.515	-1.725	0.282	-0.003	-1.646	0.515	-1.725	-0.634
65 A	-0.869	-1.336	0.561	-1.638	0.401	-0.004	-1.467	0.561	-1.638	-0.622
66 A	-0.597	-1.432	0.580	-1.527	0.410	-0.004	-1.200	0.580	-1.527	-0.539
67 A	-0.869	-1.432	0.561	-1.478	0.401	-0.004	-1.467	0.561	-1.478	-0.613
68 P	-0.521	-0.805	0.505	-1.611	0.437	-0.006	-1.129	0.505	-1.611	-0.447
69 V	-0.521	-0.673	0.505	-1.869	0.437	-0.006	-1.129	0.505	-1.869	-0.465
70 I	-0.294	-0.086	0.496	-2.182	0.392	-0.006	-0.119	0.496	-2.182	-0.257
71 V	-0.098	0.035	0.692	-2.169	0.547	0.014	0.932	0.932	-2.169	-0.007
72 A	0.098	-0.074	0.646	-1.854	0.428	0.015	0.753	0.753	-1.854	0.002
73 G	-0.250	-0.398	0.683	-1.372	0.446	0.019	0.599	0.683	-1.372	-0.039
74 T	-0.325	-1.025	0.739	-1.061	0.474	0.022	0.712	0.739	-1.061	-0.066
75 T	-0.597	-1.516	0.720	-1.270	0.465	0.022	0.445	0.720	-1.516	-0.247
76 L	-0.597	-2.332	0.720	-1.765	0.465	0.022	0.445	0.720	-2.332	-0.435
77 L	-0.825	-2.127	0.730	-2.312	0.510	0.022	-0.565	0.730	-2.312	-0.653
78 I	-1.660	-1.564	0.393	-2.692	0.337	0.004	-0.284	0.393	-2.692	-0.781
79 A	-1.856	-1.444	0.197	-2.806	0.182	-0.016	-1.335	0.197	-2.806	-1.011
80 A	-1.141	-1.540	0.524	-2.570	0.446	-0.002	-1.550	0.524	-2.570	-0.833
81 I	-1.141	-1.540	0.524	-2.302	0.446	-0.002	-1.550	0.524	-2.302	-0.795
82 A	-0.869	-0.725	0.543	-1.906	0.455	-0.002	-1.283	0.543	-1.906	-0.541

Residue										
83 P	-0.869	-0.098	0.543	-1.700	0.455	-0.002	-1.283	0.543	-1.700	-0.422
84 L	-0.673	0.399	0.739	-1.587	0.610	0.018	-0.232	0.739	-1.587	-0.104
85 V	0.193	0.962	0.870	-1.579	0.583	0.016	-0.554	0.962	-1.579	0.070
86 A	0.471	0.854	1.019	-1.235	0.738	0.036	0.616	1.019	-1.235	0.357
87 T	0.471	1.393	1.019	-0.750	0.738	0.036	0.616	1.393	-0.750	0.503
88 G	0.471	1.261	1.019	-0.167	0.738	0.036	0.616	1.261	-0.167	0.568
89 S	1.337	1.489	1.412	0.323	1.066	0.523	0.019	1.489	0.019	0.881
90 P	1.337	0.634	1.655	0.564	1.339	0.542	1.249	1.655	0.542	1.046
91 L	1.420	0.814	1.608	0.812	1.339	0.542	1.368	1.608	0.542	1.129
92 D	1.192	0.814	1.617	0.979	1.385	0.542	0.357	1.617	0.357	0.984
93 P	1.413	0.101	1.739	1.194	1.549	1.011	0.188	1.739	0.101	1.028
94 S	0.699	-0.258	1.412	0.952	1.285	0.998	0.403	1.412	-0.258	0.784
95 A	0.699	-1.210	1.431	0.745	1.230	0.996	0.220	1.431	-1.210	0.587
96 D	0.199	-1.306	1.160	0.088	0.911	0.507	-0.781	1.160	-1.306	0.111
97 L	-0.167	-1.218	0.795	-0.416	0.629	0.490	-0.413	0.795	-1.218	-0.043
98 F	-0.812	-1.218	0.524	-1.087	0.465	0.472	0.016	0.524	-1.218	-0.234
99 A	-0.585	-1.248	0.515	-1.462	0.419	0.472	1.027	1.027	-1.462	-0.123
100V	-1.799	-1.422	0.160	-1.927	0.109	-0.012	1.471	1.471	-1.927	-0.489
101V	-1.799	-1.530	0.160	-2.054	0.109	-0.012	1.471	1.471	-2.054	-0.522
102G	-1.799	-0.807	0.160	-2.100	0.109	-0.012	1.471	1.471	-2.100	-0.425
103L	-2.513	-0.943	0.075	-2.046	0.118	-0.007	2.916	2.916	-2.513	-0.343
104L	-1.919	-0.835	0.188	-1.893	0.082	-0.008	2.327	2.327	-1.919	-0.294
105F	-1.356	-0.631	0.505	-1.668	0.246	0.010	1.779	1.779	-1.668	-0.159
106L	-1.950	-0.661	0.393	-1.510	0.282	0.012	2.368	2.368	-1.950	-0.152
107G	-1.236	0.035	0.477	-1.405	0.273	0.006	0.923	0.923	-1.405	-0.132
108T	-1.236	-0.797	0.477	-1.454	0.273	0.006	0.923	0.923	-1.454	-0.258
109V	-0.325	-1.288	0.739	-1.574	0.474	0.022	0.712	0.739	-1.574	-0.177
110A	-0.325	-0.564	0.739	-1.704	0.474	0.022	0.712	0.739	-1.704	-0.092
111L	-0.553	-0.889	0.748	-1.723	0.519	0.022	-0.298	0.748	-1.723	-0.310
112T	-0.521	-0.146	0.543	-1.766	0.319	0.002	-0.339	0.543	-1.766	-0.273
113L	-0.793	-0.146	0.524	-1.869	0.310	0.002	-0.606	0.524	-1.869	

-0.368

Residue	1	2	3	4	5	6	7	8	9	10
114A	-0.294	0.686	0.795	-1.790	0.629	0.491	0.395	0.795	-1.790	0.130
115G	0.617	1.177	1.075	-1.511	0.774	0.506	0.001	1.177	-1.511	0.377
116I	0.648	1.405	0.870	-1.009	0.574	0.486	-0.039	1.405	-1.009	0.419
117D	1.559	1.555	1.150	-0.413	0.720	0.500	-0.434	1.559	-0.434	0.663
118T	1.837	1.644	1.300	0.066	0.875	0.521	0.736	1.837	0.066	0.997
119G	0.895	1.780	1.244	0.249	0.875	0.525	0.987	1.780	0.249	0.936
120T	1.761	1.038	1.375	0.425	0.847	0.523	0.666	1.761	0.425	0.948
121S	1.489	1.175	1.094	0.254	0.483	0.034	0.675	1.489	0.034	0.743
122F	0.895	0.319	0.889	-0.212	0.373	0.031	0.579	0.895	-0.212	0.411
123G	0.895	1.349	0.889	-0.901	0.373	0.031	0.579	1.349	-0.901	0.459
124G	0.699	1.535	0.692	-1.645	0.218	0.011	-0.472	1.535	-1.645	0.149
125M	0.699	1.483	0.692	-1.860	0.218	0.011	-0.472	1.483	-1.860	0.110
126G	1.546	1.273	1.188	-1.724	0.738	0.632	-0.724	1.546	-1.724	0.418
127A	1.679	1.137	1.524	-1.318	1.148	1.231	-0.750	1.679	-1.318	0.664
128S	0.813	0.812	1.393	-1.316	1.175	1.233	-0.429	1.393	-1.316	0.526
129R	1.407	-0.044	1.599	-1.454	1.285	1.236	-0.333	1.599	-1.454	0.528
130E	0.541	-0.857	1.468	-1.969	1.312	1.238	-0.012	1.468	-1.969	0.246
131I	0.541	-1.636	1.468	-2.159	1.312	1.238	-0.012	1.468	-2.159	0.107
132T	0.263	-1.408	1.318	-2.360	1.157	1.218	-1.181	1.318	-2.360	-0.142
133I	-0.585	-1.324	0.804	-2.314	0.692	0.598	-0.746	0.804	-2.314	-0.410
134A	-1.312	-0.641	0.356	-2.383	0.319	0.000	-0.131	0.356	-2.383	-0.542
135A	-0.313	-0.150	0.823	-2.368	0.701	0.598	-0.479	0.823	-2.368	-0.169
136L	-0.509	-0.474	0.870	-2.253	0.820	0.597	-0.299	0.870	-2.253	-0.178
137V	0.326	-0.474	1.206	-1.826	0.993	0.615	-0.580	1.206	-1.826	0.037
138E	-0.313	-0.583	1.066	-1.436	0.975	0.617	0.751	1.066	-1.436	0.154
139P	-1.027	-1.158	0.982	-1.205	0.984	0.623	2.197	2.197	-1.205	0.199
140T	-1.027	-1.612	0.982	-1.381	0.984	0.623	2.197	2.197	-1.612	0.109
141I	-0.661	-2.278	1.103	-1.852	0.993	0.621	0.598	1.103	-2.278	-0.211
142L	-1.388	-1.953	0.655	-2.270	0.619	0.023	1.213	1.213	-2.270	-0.443
143L	-2.102	-1.953	0.346	-2.346	0.300	0.008	1.244	1.244	-2.346	-0.643

144A	-2.298	-0.893	0.150	-2.173	0.146	-0.012	0.193	0.193	-2.298	-0.698
145V	-2.374	-1.218	0.206	-1.843	0.173	-0.008	0.306	0.306	-2.374	-0.680
146F	-1.381	-0.763	0.440	-1.477	0.319	0.006	0.031	0.440	-1.477	-0.404
147A	-1.305	-0.589	0.384	-1.331	0.291	0.003	-0.082	0.384	-1.331	-0.376
148L	-1.305	0.039	0.627	-1.043	0.565	0.022	1.148	1.148	-1.305	0.007
149S	-0.939	1.099	0.748	-0.940	0.574	0.020	-0.451	1.099	-0.940	0.016
150I	0.003	0.243	0.804	-0.917	0.574	0.016	-0.702	0.804	-0.917	0.003
151P	0.281	1.177	0.954	-0.846	0.729	0.036	0.468	1.177	-0.846	0.400
152A	0.996	0.614	1.038	-0.733	0.720	0.031	-0.977	1.038	-0.977	0.241
153G	1.028	1.241	1.188	-0.261	0.875	0.051	-1.250	1.241	-1.250	0.410
154S	0.952	0.614	1.244	0.295	0.902	0.055	-1.136	1.244	-1.136	0.418
155A	1.179	-0.446	0.991	0.662	0.583	0.036	-1.356	1.179	-1.356	0.236
156N	1.179	-0.542	0.991	0.478	0.583	0.036	-1.356	1.179	-1.356	0.196
157L	0.237	-1.152	0.917	-0.146	0.638	0.041	-0.921	0.917	-1.152	-0.055
158G	-0.408	-0.092	0.646	-1.166	0.474	0.023	-0.492	0.646	-1.166	-0.145
159A	-0.408	-0.228	0.646	-1.755	0.474	0.023	-0.492	0.646	-1.755	-0.249
160L	-0.439	-0.552	0.496	-2.001	0.319	0.002	-0.220	0.496	-2.001	-0.342
161V	0.471	0.191	0.776	-1.547	0.465	0.017	-0.614	0.776	-1.547	-0.034
162A	-0.395	0.377	0.646	-1.041	0.492	0.019	-0.292	0.646	-1.041	-0.028
163S	0.104	0.736	0.917	-0.437	0.811	0.508	0.709	0.917	-0.437	0.478
164T	0.819	0.507	1.160	0.150	0.975	1.122	0.541	1.160	0.150	0.753
165I	1.186	0.107	1.524	0.760	1.257	1.139	0.172	1.524	0.107	0.878
166D	1.413	0.335	1.515	1.378	1.212	1.139	1.183	1.515	0.335	1.168
167H	1.135	-0.300	1.524	1.906	1.230	1.739	1.290	1.906	-0.300	1.218
168P	0.572	0.465	1.206	1.798	1.066	1.721	1.838	1.838	0.465	1.238
169G	0.844	-0.098	1.225	1.428	1.075	1.721	2.105	2.105	-0.098	1.186
170H	0.623	-0.725	1.103	0.824	0.911	1.252	2.274	2.274	-0.725	0.895
171V	-0.092	-0.188	0.860	0.178	0.747	0.637	2.442	2.442	-0.188	0.655
172V	-0.092	-0.188	0.618	-0.311	0.474	0.618	1.212	1.212	-0.311	0.333
173S	-0.092	-0.296	0.618	-0.685	0.474	0.618	1.212	1.212	-0.685	0.264
174L	-0.458	-1.152	0.337	-1.233	0.291	0.000	1.533	1.533	-1.233	

Residue										
										-0.097
175A	-0.806	-1.121	0.375	-1.615	0.310	0.004	1.379	1.379	-1.615	-0.211
176G	-0.439	-1.218	0.496	-1.906	0.319	0.002	-0.220	0.496	-1.906	-0.424
177V	-1.432	-1.845	0.281	-2.082	0.118	-0.014	-0.128	0.281	-2.082	-0.729
178L	-1.084	-1.953	0.244	-1.976	0.100	-0.017	0.025	0.244	-1.976	-0.666
179A	-1.084	-1.845	0.244	-1.802	0.100	-0.017	0.025	0.244	-1.845	-0.626
180F	-2.026	-2.169	0.169	-1.746	0.155	-0.012	0.460	0.460	-2.169	-0.739
181V	-2.026	-2.091	0.169	-1.821	0.155	-0.012	0.460	0.460	-2.091	-0.738
182A	-1.950	-2.320	0.113	-2.124	0.127	-0.016	0.347	0.347	-2.320	-0.832
183L	-2.317	-2.416	-0.009	-2.398	0.118	-0.014	1.946	1.946	-2.416	-0.727
184V	-2.241	-2.211	-0.083	-2.741	0.146	-0.016	2.016	2.016	-2.741	-0.733
185I	-2.241	-1.540	-0.083	-2.866	0.146	-0.016	2.016	2.016	-2.866	-0.655
186V	-2.241	-0.725	-0.083	-2.926	0.146	-0.016	2.016	2.016	-2.926	-0.547
187I	-1.166	-0.001	0.328	-2.824	0.501	0.578	1.555	1.555	-2.824	-0.147
188V	-0.604	1.137	0.646	-2.539	0.665	0.596	1.007	1.137	-2.539	0.130
189A	0.263	1.028	0.776	-2.130	0.638	0.594	0.686	1.028	-2.130	0.265
190E	0.762	1.387	1.328	-1.815	1.121	1.217	0.096	1.387	-1.815	0.585
191T	0.686	0.716	1.384	-1.660	1.148	1.221	0.209	1.384	-1.660	0.529
192G	1.053	0.764	1.748	-1.615	1.431	1.238	-0.160	1.748	-1.615	0.637
193R	0.686	0.746	1.627	-1.685	1.422	1.240	1.439	1.627	-1.685	0.782
194L	0.825	0.291	1.571	-1.284	1.376	1.129	1.457	1.571	-1.284	0.766
195P	0.939	0.495	1.674	-0.432	1.531	1.150	1.303	1.674	-0.432	0.951
196V	0.711	0.628	1.926	0.752	1.850	1.169	1.523	1.926	0.628	1.223
197D	0.579	0.814	1.496	1.694	1.376	0.544	0.513	1.694	0.513	1.002
198N	1.489	0.071	1.776	2.030	1.522	0.559	0.119	2.030	0.071	1.081
199P	1.489	0.037	1.692	1.770	1.422	1.160	0.166	1.770	0.037	1.105
200A	1.141	-0.526	1.730	1.235	1.440	1.164	0.013	1.730	-0.526	0.885
201T	1.002	-0.036	1.786	0.780	1.485	1.274	-0.005	1.786	-0.036	0.898
202H	-0.022	-0.641	1.403	0.179	1.185	1.239	0.543	1.403	-0.641	0.555
203L	0.174	-0.827	1.356	-0.400	1.066	1.240	0.364	1.356	-0.827	0.425
204E	-0.224	-0.532	1.346	-1.186	1.112	1.257	1.319	1.346	-1.186	0.442

205L	−0.787	−0.532	1.029	−1.676	0.948	1.239	1.867	1.867	−1.676
0.298									
206T	−0.787	−0.328	1.029	−1.665	0.948	1.239	1.867	1.867	−1.665
0.329									
207M	0.288	−0.933	1.440	−1.231	1.303	1.833	1.406	1.833	−1.231
0.587									
208V	−0.073	−0.915	1.113	−0.700	0.938	1.233	0.422	1.233	−0.915
0.288									
209H	0.244	−1.023	1.188	−0.554	0.975	1.245	−0.068	1.245	−1.023
0.287									
210E	−0.319	−0.538	0.870	−0.943	0.811	1.227	0.480	1.227	−0.943
0.227									
211A	−0.635	−1.520	0.795	−1.678	0.774	1.215	0.970	1.215	−1.678
−0.011									
212M	0.092	−1.520	1.244	−2.253	1.148	1.813	0.355	1.813	−2.253
0.125									
213V	−0.161	−0.779	1.337	−2.600	1.212	1.212	0.420	1.337	−2.600
0.092									
214L	−0.521	−0.324	1.010	−2.411	0.847	0.613	−0.564	1.010	−2.411
−0.193									
215E	−0.294	0.694	1.001	−2.165	0.802	0.613	0.446	1.001	−2.165
0.157									
216Y	0.104	−0.086	1.253	−1.772	1.030	0.615	0.721	1.253	−1.772
0.267									
217A	0.604	0.321	1.804	−1.531	1.513	1.238	0.132	1.804	−1.531
0.583									
218G	0.604	0.117	1.804	−1.362	1.513	1.238	0.132	1.804	−1.362
0.578									
219P	0.244	−0.607	1.477	−1.435	1.148	0.638	−0.852	1.477	−1.435
0.088									
220R	−0.218	−0.390	1.141	−1.749	0.920	0.624	−0.749	1.141	−1.749
−0.060									
221L	−0.585	−1.707	1.019	−2.096	0.911	0.626	0.850	1.019	−2.096
−0.140									
222A	−0.452	−1.502	1.356	−2.317	1.321	1.225	0.823	1.356	−2.317
0.065									
223L	−1.217	−1.502	1.132	−2.463	1.066	1.232	0.625	1.232	−2.463
−0.161									
224V	−1.350	−0.671	0.702	−2.424	0.592	0.607	−0.384	0.702	−2.424
−0.418									
225E	−0.635	−0.689	0.786	−2.397	0.583	0.602	−1.829	0.786	−2.397
−0.511									
226W	−0.408	−0.450	0.776	−2.332	0.537	0.602	−0.818	0.776	−2.332
−0.299									
227A	−0.092	−0.152	0.851	−2.312	0.574	0.613	−1.309	0.851	−2.312
−0.261									
228A	0.408	0.339	1.403	−2.352	1.057	1.236	−1.898	1.403	−2.352
0.028									
229G	−0.667	0.243	0.991	−2.506	0.701	0.642	−1.437	0.991	−2.506
−0.290									
230M	0.294	−0.589	1.169	−2.522	0.838	0.637	−1.418	1.169	−2.522
−0.227									
231R	−0.073	−0.679	1.047	−2.433	0.829	0.639	0.180	1.047	−2.433
−0.070									
232L	−0.787	−1.492	0.963	−2.144	0.838	0.644	1.625	1.625	−2.144
−0.050									
233T	−1.729	−1.492	0.889	−1.972	0.893	0.649	2.060	2.060	−1.972
−0.100									
234V	−1.331	−2.187	0.898	−1.949	0.847	0.632	1.105	1.105	−2.187
−0.283									
235L	−2.178	−2.091	0.384	−2.167	0.382	0.013	1.541	1.541	−2.178

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-0.588
236L      -2.178   -1.278    0.384   -2.352    0.382   0.013    1.541    1.541   -2.352
-0.498
237A      -2.374   -1.278    0.188   -2.496    0.228  -0.007    0.490    0.490   -2.496
-0.750
238L      -1.697   -1.452    0.608   -2.005    0.547   0.032   -0.212    0.608   -2.005
-0.597
239L      -1.697   -1.452    0.608   -1.408    0.547   0.032   -0.212    0.608   -1.697
-0.512
240A      -1.697   -0.889    0.627   -0.481    0.492   0.031   -0.395    0.627   -1.697
-0.330
241N      -2.412   -1.392    0.543   -0.047    0.501   0.036    1.050    1.050   -2.412
-0.246
242L      -1.697   -1.374    0.870    0.054    0.765   0.050    0.835    0.870   -1.697
-0.071
243F      -1.748   -1.494    0.973   -0.434    0.774   0.070    0.422    0.973   -1.748
-0.205
244L      -1.520   -1.320    0.963   -0.755    0.729   0.070    1.432    1.432   -1.520
-0.057
245P      -2.469   -0.488    0.524   -1.354    0.401   0.031    1.867    1.867   -2.469
-0.213
246W      -1.754   -0.847    0.608   -1.611    0.392   0.025    0.422    0.608   -1.754
-0.395
247G      -0.812   -0.344    0.664   -2.069    0.392   0.021    0.171    0.664   -2.069
-0.283
248I      -0.098   -0.613    0.748   -2.260    0.382   0.016   -1.274    0.748   -2.260
-0.442
249A      -0.098    0.203    0.505   -2.359    0.109  -0.003   -2.504    0.505   -2.504
-0.592
250G       0.667    0.203    0.730   -2.033    0.364  -0.009   -2.306    0.730   -2.306
-0.341
251A       0.636   -0.629    0.935   -1.627    0.565   0.011   -2.266    0.935   -2.266
-0.339
252A       1.274   -0.090    1.075   -1.141    0.583   0.009   -3.598    1.274   -3.598
-0.270
253P       0.560   -0.186    0.991   -0.885    0.592   0.014   -2.153    0.991   -2.153
-0.152
254T       0.832   -0.749    1.272   -0.670    0.957   0.503   -2.162    1.272   -2.162
-0.003
255A       0.465   -0.749    1.150   -0.717    0.948   0.505   -0.563    1.150   -0.749
0.148
256L      -0.250   -0.122    1.066   -0.703    0.957   0.510    0.882    1.066   -0.703
0.334
257D      -0.054   -0.013    1.019   -0.748    0.838   0.511    0.703    1.019   -0.748
0.322
258V      -0.022   -0.649    0.814   -0.875    0.638   0.491    0.662    0.814   -0.875
0.151
259L      -0.389   -0.552    0.692   -1.097    0.629   0.493    2.261    2.261   -1.097
0.291
260T      -0.041   -0.444    0.655   -1.293    0.610   0.489    2.415    2.415   -1.293
0.342
261G      -0.540   -0.935    0.384   -1.622    0.291  -0.000    1.414    1.414   -1.622
-0.144
262V      -0.540   -1.562    0.384   -1.830    0.291  -0.000    1.414    1.414   -1.830
-0.263
263V       0.174   -0.635    0.468   -2.017    0.282  -0.006   -0.031    0.468   -2.017
-0.252
264A      -0.022   -0.635    0.272   -2.185    0.127  -0.025   -1.082    0.272   -2.185
-0.507
265V      -0.022   -0.635    0.730   -2.240    0.811   0.569   -1.017    0.811   -2.240
-0.258
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Residue	1	2	3	4	5	6	7	8	9	10
266A	-0.022	-0.863	0.730	-2.272	0.811	0.569	-1.017	0.811	-2.272	-0.295
267A	0.345	-1.067	0.851	-2.318	0.820	0.568	-2.616	0.851	-2.616	-0.488
268K	-0.294	-1.067	0.711	-2.430	0.802	0.569	-1.284	0.802	-2.430	-0.428
269V	-0.642	-1.995	0.748	-2.544	0.820	0.573	-1.438	0.820	-2.544	-0.640
270A	-0.642	-2.103	0.748	-2.666	0.820	0.573	-1.438	0.820	-2.666	-0.672
271I	-1.008	-2.308	0.627	-2.721	0.811	0.575	0.161	0.811	-2.721	-0.552
272L	-1.950	-1.983	0.094	-2.676	0.182	-0.014	0.531	0.531	-2.676	-0.831
273A	-2.298	-1.288	0.132	-2.575	0.200	-0.011	0.377	0.377	-2.575	-0.780
274V	-2.298	-1.462	0.132	-2.500	0.200	-0.011	0.377	0.377	-2.500	-0.795
275L	-1.464	-0.791	0.468	-2.301	0.373	0.008	0.096	0.468	-2.301	-0.516
276L	-1.464	-0.683	0.487	-1.988	0.319	0.006	-0.088	0.487	-1.988	-0.487
277A	-1.103	-0.653	0.814	-1.583	0.683	0.606	0.896	0.896	-1.583	-0.049
278T	-1.103	-0.857	0.814	-1.254	0.683	0.606	0.896	0.896	-1.254	-0.031
279F	-1.103	-1.348	0.832	-1.110	0.629	0.605	0.712	0.832	-1.348	-0.112
280E	-1.103	-0.342	0.832	-1.264	0.629	0.605	0.712	0.832	-1.264	0.010
281V	-1.103	-1.121	0.832	-1.448	0.629	0.605	0.712	0.832	-1.448	-0.128
282F	-1.072	-0.212	1.085	-1.701	1.112	1.179	0.736	1.179	-1.701	0.161
283L	-1.072	-0.242	1.066	-1.952	1.166	1.181	0.920	1.181	-1.952	0.153
284A	-1.299	-0.212	1.169	-2.238	1.276	1.206	0.946	1.276	-2.238	0.121
285K	-1.647	0.602	1.206	-2.478	1.294	1.210	0.792	1.294	-2.478	0.140
286L	-1.647	-0.326	1.206	-2.543	1.294	1.210	0.792	1.294	-2.543	-0.002
287R	-0.800	0.237	1.720	-2.415	1.759	1.829	0.356	1.829	-2.415	0.384
288L	-1.166	-0.001	1.599	-2.186	1.750	1.830	1.955	1.955	-2.186	0.540
289F	-1.394	-0.001	1.393	-1.860	1.385	1.255	2.110	2.110	-1.860	0.413
290R	-0.319	-0.032	1.804	-1.645	1.741	1.849	1.649	1.849	-1.645	0.721
291V	-1.166	-0.845	1.290	-1.500	1.276	1.230	2.084	2.084	-1.500	0.338
292P	-1.166	-0.122	1.290	-1.522	1.276	1.230	2.084	2.084	-1.522	0.439
293E	-0.452	0.375	1.356	-1.774	1.321	1.225	0.823	1.356	-1.774	0.411
294L	-0.357	-0.374	0.917	-2.029	0.802	0.601	0.824	0.917	-2.029	0.055
295L	0.288	-0.374	1.188	-1.914	0.966	0.619	0.395	1.188	-1.914	0.167
296A	-0.427	-0.374	0.879	-1.527	0.647	0.604	0.427	0.879	-1.527	

0.033

297G	-1.501	-0.374	0.468	-0.877	0.291	0.010	0.888	0.888	-1.501	-0.156
298S	-1.501	-1.206	0.468	-0.542	0.291	0.010	0.888	0.888	-1.501	-0.227
299F	-0.787	-2.266	0.552	-0.724	0.282	0.005	-0.557	0.552	-2.266	-0.499
300L	-1.501	-2.091	0.468	-1.342	0.291	0.010	0.888	0.888	-2.091	-0.468
301L	-2.443	-1.983	0.393	-1.944	0.346	0.016	1.323	1.323	-2.443	-0.613
302A	-2.722	-1.288	0.244	-2.370	0.191	-0.004	0.153	0.244	-2.722	-0.828
303L	-2.374	-1.288	0.188	-2.480	0.228	-0.007	0.490	0.490	-2.480	-0.749
304L	-1.464	-1.083	0.468	-2.295	0.373	0.008	0.096	0.468	-2.295	-0.557
305A	-0.749	-0.270	0.552	-2.058	0.364	0.002	-1.349	0.552	-2.058	-0.501
306V	-0.749	-0.444	0.552	-1.775	0.364	0.002	-1.349	0.552	-1.775	-0.486
307T	0.275	-0.522	0.935	-1.165	0.665	0.037	-1.897	0.935	-1.897	-0.239
308A	0.275	-0.522	0.954	-0.525	0.610	0.036	-2.081	0.954	-2.081	-0.179
309A	-0.439	-0.619	0.889	0.288	0.565	0.040	-0.820	0.889	-0.820	-0.014
310N	0.123	0.009	1.206	0.889	0.729	0.059	-1.368	1.206	-1.368	0.235
311F	-0.439	-0.601	0.889	0.896	0.565	0.040	-0.820	0.896	-0.820	0.076
312F	-0.212	-0.172	0.879	0.381	0.519	0.040	0.191	0.879	-0.212	0.232
313T	-0.212	0.257	0.879	-0.341	0.519	0.040	0.191	0.879	-0.341	0.191
314V	-0.654	0.021	0.122	-1.086	0.528	0.060	-0.706	0.528	-1.086	-0.245
315G	-0.073	0.371	-0.270	-1.326	0.893	0.116	-1.968	0.893	-1.968	-0.322
316A	0.509	-0.001	-0.663	-1.243	1.257	0.172	-3.229	1.257	-3.229	-0.457

Overlap Display

Sequence	[1]MSYLAGAAQIGGVMVGAPLVIGMTRQVRARWEGRAGAGLLQPWRDLLKQLGKQQITPAGTTIVFAAAPVIVAGTTLLIAAIAPLVATGSPLDPSADLFAVVGLLFLGTVALTLAGIDTGTSFGGMGASREITIAALVEPTILLAVFALSIPAGSANLGALVASTIDHPGHVVSLAGVLAFVALVIVIVAETGRLPVDNPATHLELTMVHEAMVLEYAGPRLALVEWAAGMRLTVLLALLANLFLPWGIAGAAPTALDVLTGVVAVAAKVAILAVLLATFEVFLAKLRLFRVPELLAGSFLLALLAVTAANFFTVGA[316]
Hydrophilicity	[1]MSYLAGAAQIGGVMVGAPLVIGMTRQVRARW<u>EGRAGAG</u>LLQPWRDLLKQLGKQQITPAGTTIVFAAAPVIVAGTTLLIAAIAPLVATGSPLDPSADLFAVVGLLFLGTVALTLAGIDTGTSFGGMGASREITIAALVEPTILLAVFALSIPAGSANLGALVASTIDHPGHVVSLAGVLAFVALVIVIVAETGRLPVDNPATHLELTMVHEAMVLEYAGPRLALVEWAAGMRLTVLLALLANLFLPWGIAGAAPTALDVLTGVVAVAAKVAILAVLLATFEVFLAKLRLFRVPELLAGSFLLALLAVTAANFFTVGA[316]
Flexibility	[1]MSYLAGAAQIGGVMVGAPLVIGMTRQVRARWEGRAGAGLLQPWRDLLKQLGKQQITPAGTTIVFAAAPVIVAGTTLLIAAIAPLVATGSPLDPSADLFAVVGLLFLGTVALTLAGIDTGTSFGGMGASREITIAALVEPTILLAVFALSIPAGSANLGALVASTIDHPGHVVSLAGVLAFVALVIVIVAETGRLPVDNPATHLELTMVHEAMVLEYAGPRLALVEWAAGMRLTVLLALLANLFLPWGIAGAAPTALDVLTGVVAVAAKVAILAVLLATFEVFLAKLRLFRVPELLAGSFLLALLAVTAANFFTVGA[316]
Accessibility	[1]MSYLAGAAQIGGVMVGAPLVIGM<u>TRQVRARWEGR</u>AGAGLLQP<u>WRDLLKQLGKQQITPA</u>GTTIVFAAAPVIVAGTTLLIAAIAPLVATGSPLDPSADLFAVVGLLFLGTVALTLAGIDTGTSFGGMGASREITIAALVEPTILLAVFALSIPAGSANLGALVASTIDHPGHVVSLAGVLAFVALVIVIVAETG<u>RLPVDNP</u>ATHLELTMVHEAMVLEYAGPRLALVEWAAGMRLTVLLALLANLFLPWGIAGAAPTALDVLTGVVAVAAKVAILAVLLATFEVFLAKLRLFRVPELLAGSFLLALLAVTAANFFTVGA[316]
Turns	[1]MSYLAGAAQIGGVMVGAPLVIGMTRQVRARWEGRAGAGLLQPWRDLLKQLGKQQITPAGTTIVFAAAPVIVAGTTLLIAAIAPLVATGSPLDPSADLFAVVGLLFLGTVALTLAGIDTGTSFGGMGASREITIAALVEPTILLAVFALSIPAGSANLGALVASTIDHPGHVVSLAGVLAFVALVIVIVAETGRLPVDNPATHLELTMVHEAMVLEYAGPRLALVEWAAGMRLTVLLALLANLFLPWGIAGAAPTALDVLTGVVAVAAKVAILAVLLATFEVFLAKLRLFRVPELLAGSFLLALLAVTAANFFTVGA[316]
Exposed Surface	[1]MSYLAGAAQIGGVMVGAPLVIGMTRQVRARWEGRAGAGLLQPWRDLL<u>KQLGKQQ</u>ITPAGTTIVFAAAPVIVAGTTLLIAAIAPLVATGSPLDPSADLFAVVGLLFLGTVALTLAGIDTGTSFGGMGASREITIAALVEPTILLAVFALSIPAGSANLGALVASTIDHPGHVVSLAGVLAFVALVIVIVAETGRLPVDNPATHLELTMVHEAMVLEYAGPRLALVEWAAGMRLTVLLALLANLFLPWGIAGAAPTALDVLTGVVAVAAKVAILAVLLATFEVFLAKLRLFRVPELLAGSFLLALLAVTAANFFTVGA[316]
Polarity	[1]MSYLAGAAQIGGVMVGAPLVIGM<u>TRQVRARWEGRAG</u>AGLLQPWRDLLKQLGKQQITPAGTTIVFAAAPVIVAGTTLLIAAIAPLVATGSPLDPSADLFAVVGLLFLGTVALTLAGIDTGTSFGGMGASREITIAALVEPTILLAVFALSIPAGSANLGALVASTIDHPGHVVSLAGVLAFVALVIVIVAETGRLPVDNPATHL<u>ELTMVHEAMVLE</u>YAGPRLALVEWAAGMRLTVLLALLANLFLPWGIAGAAPT

	ALDVLTGVVAVAAKVAILAVLLATFEVFL<u>AKLRLFRVPE</u>LLAGSFLLALLAVTAANFFTVGA[316]
Antigenic Propensity	[1]MSYLAGAAQIGGVMVGAPLVIGMTRQVRARWEGRAGAGLLQPWRDLLKQLGKQQITPAGTTIVFAAAPVIVAGTTLLIAAIAPLVATGSPLDPSADLFA<u>VVGLLFLGTV</u>ALTLAGIDTGTSFGGMGASREITIAA<u>LVEPTILL</u>AVFALSIPAGSANLGALVASTI<u>DHPGHVVSL</u>AGVLA<u>FVALVIVIVA</u>ETGRLPVDNPATHLELTMVHEAMVLEYAGPRLALVEWAAG<u>MRLTVLL</u>ALLANLFLPWGIAGAAPTA<u>LDVLTGVV</u>AVAAKVAILAVLLATFEVFLA<u>KLRLFRVPELL</u>AGSFLLALLAVTAANFFTVGA[316]