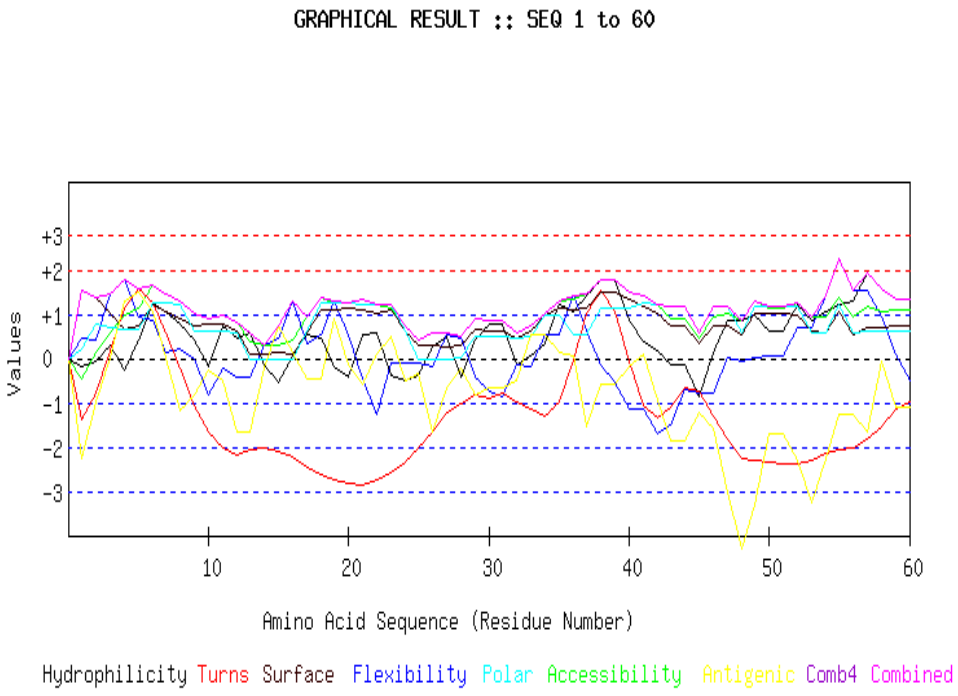
BcePred Prediction Server

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

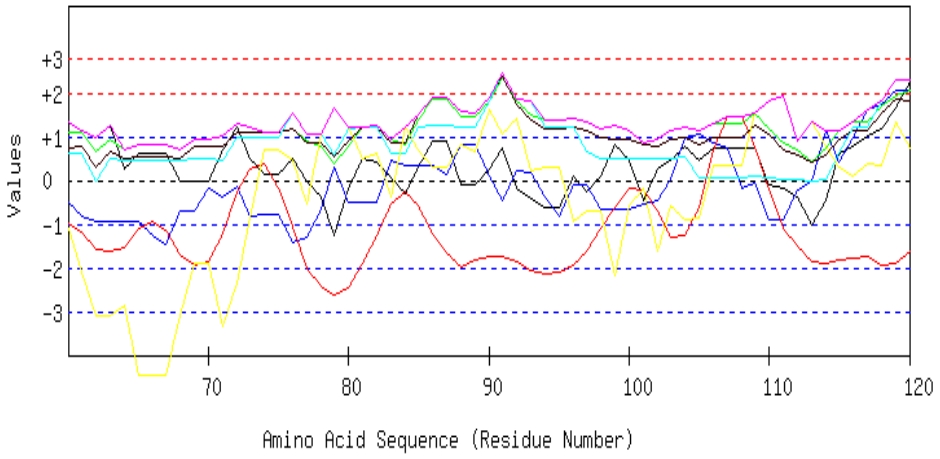
seqname=
Seq=MLTSHGFSRAAVVGAGLMGRRIAGVLASAGLDVAITDTNAEILHAAAVEAARVAGAGRGSVAAAADLAAAIP
DADLVIEAVVENLAVKQELFERLATLAPDAVLATNTSVLPIGAVTERVEDGSRVIGTHFWNPPDLIPVVEVVPSART
APDTADRVVALLTQVGKLPVRVGRDVPGFIGNRLQHALWREAIALVAEGVCDPKTVDLVVRNTIGLRLATLGPLEN
ADYIGLDLTLAIHDAVIPSLNHDPHPSPLLRELVAAGQLGARTGHGFLDWPAGAREATTARLAQHIAAQLQANEKG
RGT

Length=304

GRAPHICAL RESULT

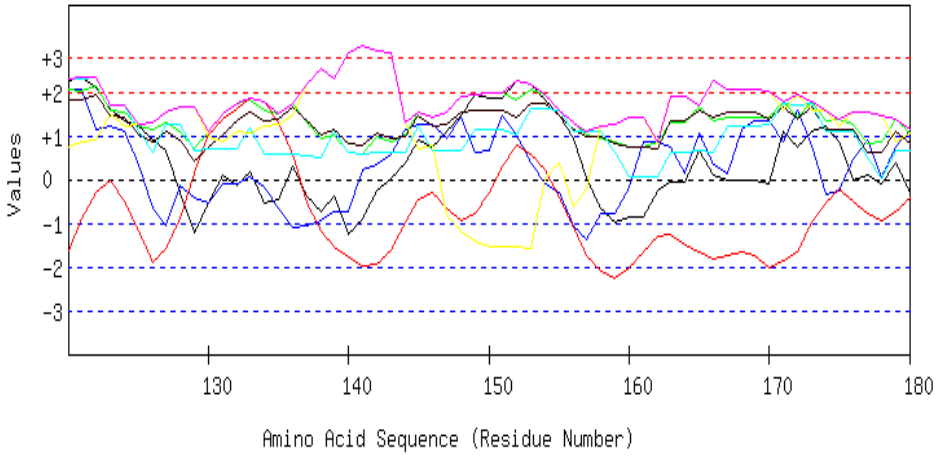


GRAPHICAL RESULT :: SEQ 61 to 120



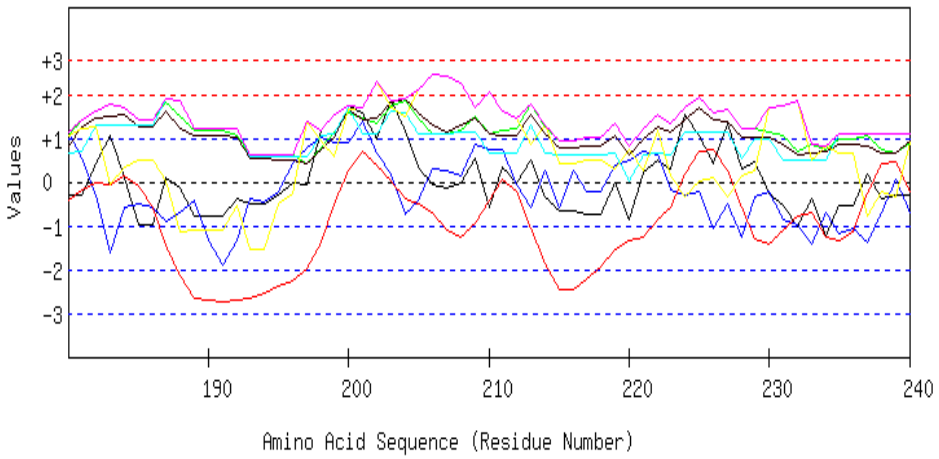
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 121 to 180



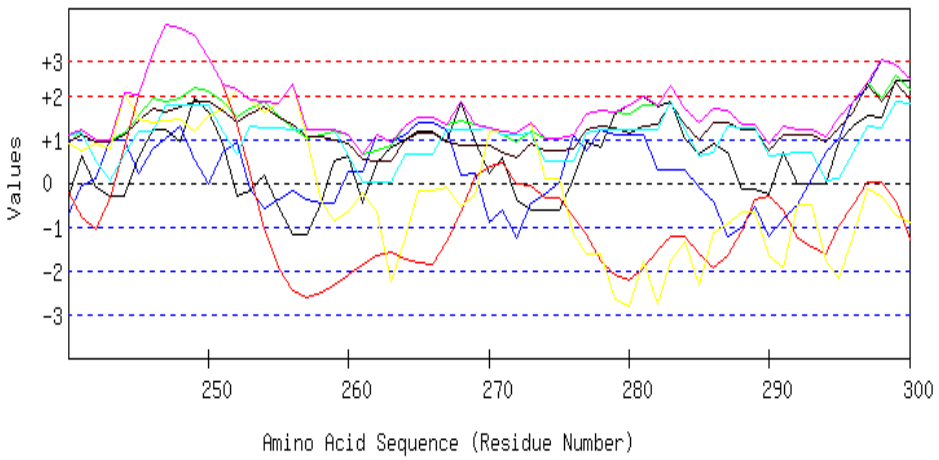
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 181 to 240



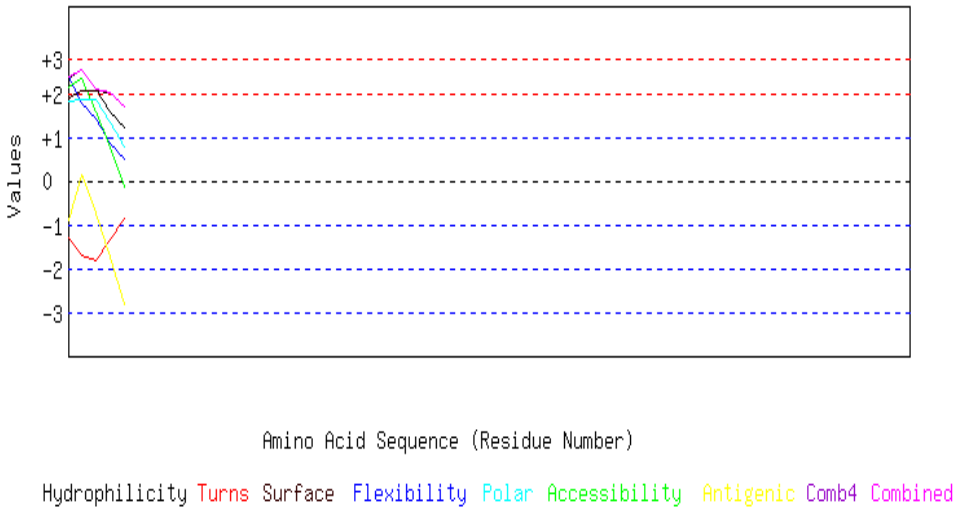
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 241 to 300



Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 301 to 360



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

**MLTSHGFSRAAVVGAGLMGRRIAGVLASAGLDVAITDTNAEILHAAAVEAARVAGAGRGS
VAAAADLAAAIPDADLVIEAVVENLAVKQELFERLATLAPDAVLATNTSVLPIGAVTERV
EDGSRVIGTHFWNPPDLIPVVEVVPSARTAPDTADRVVALLTQVGKLPVRVGRDVPGFIG
NRLQHALWREAIALVAEGVCDPKTVDLVVRNTIGLRLATLGPLENADYIGLDLTLAIHDA
VIPSLNHDPHPSPLLRELVAAGQLGARTGHGFLDWPAGAREATTARLAQHIAAQLQANEK
GRGT**

Length=304

A.A.	Parameter							Combined		
	Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	MIN	AVG

1	M	-0.186	0.471	-0.476	-1.398	1.522	0.213	-2.268	1.522	-2.268	-0.303
2	L	-0.054	0.411	0.141	-0.792	1.376	0.772	-0.991	1.376	-0.991	0.123
3	T	0.307	1.471	0.589	0.175	1.011	0.712	0.020	1.471	0.020	0.612
4	S	-0.275	1.794	0.982	1.124	0.647	0.657	1.281	1.794	-0.275	0.887
5	H	0.402	0.938	1.141	1.579	0.756	0.659	1.496	1.579	0.402	0.996
6	G	1.249	0.848	1.655	1.259	1.221	1.279	1.060	1.655	0.848	1.224
7	F	1.053	0.125	1.459	0.568	1.066	1.259	0.009	1.459	0.009	0.791
8	S	0.775	0.203	1.309	-0.230	0.911	1.239	-1.161	1.309	-1.161	0.435
9	R	0.408	-0.026	1.029	-1.067	0.729	0.620	-0.839	1.029	-1.067	0.122
10	A	-0.186	-0.839	0.917	-1.651	0.765	0.622	-0.251	0.917	-1.651	-0.089
11	A	0.756	-0.212	0.973	-2.001	0.765	0.618	-0.502	0.973	-2.001	0.057
12	V	0.477	-0.416	0.823	-2.185	0.610	0.598	-1.672	0.823	-2.185	-0.252
13	V	0.572	-0.434	0.384	-2.061	0.091	-0.027	-1.670	0.572	-2.061	-0.449
14	G	-0.142	0.289	0.300	-2.023	0.100	-0.022	-0.225	0.300	-2.023	-0.246
15	A	-0.540	0.475	0.290	-2.097	0.146	-0.004	0.730	0.730	-2.097	-0.143
16	G	0.054	1.289	0.403	-2.232	0.109	-0.006	0.141	1.289	-2.232	-0.035
17	L	0.553	0.337	0.954	-2.441	0.592	0.617	-0.449	0.954	-2.441	0.023
18	M	0.459	0.542	1.393	-2.602	1.112	1.242	-0.450	1.393	-2.602	0.242
19	G	-0.180	1.283	1.253	-2.741	1.093	1.244	0.882	1.283	-2.741	0.405
20	R	-0.408	0.560	1.262	-2.828	1.139	1.244	-0.128	1.262	-2.828	0.120
21	R	0.534	-0.458	1.337	-2.865	1.084	1.238	-0.563	1.337	-2.865	0.044
22	I	0.566	-1.272	1.225	-2.743	1.030	1.223	0.081	1.225	-2.743	0.016
23	A	-0.376	-0.092	1.150	-2.579	1.084	1.228	0.516	1.228	-2.579	0.133
24	G	-0.509	-0.092	0.720	-2.357	0.610	0.603	-0.494	0.720	-2.357	-0.217
25	V	-0.363	-0.092	0.440	-2.002	0.291	-0.001	-0.333	0.440	-2.002	-0.294
26	L	0.275	-0.200	0.580	-1.656	0.310	-0.003	-1.665	0.580	-1.665	-0.337
27	A	0.503	0.544	0.571	-1.216	0.264	-0.003	-0.654	0.571	-1.216	0.001
28	S	-0.439	0.447	0.496	-1.031	0.319	0.002	-0.220	0.496	-1.031	-0.061
29	A	0.427	-0.408	0.889	-0.833	0.647	0.490	-0.817	0.889	-0.833	0.056
30	G	0.775	-0.733	0.851	-0.893	0.629	0.486	-0.664	0.851	-0.893	0.064
31	L	0.775	-0.869	0.851	-0.764	0.629	0.486	-0.664	0.851	-0.869	0.063
32	D	-0.142	-0.126	0.561	-0.978	0.455	0.468	-0.502	0.561	-0.978	-0.038
33	V	0.054	-0.174	0.758	-1.134	0.610	0.487	0.549	0.758	-1.134	0.164
34	A	0.326	0.532	1.038	-1.299	0.975	0.976	0.540	1.038	-1.299	0.441
35	I	1.236	0.532	1.318	-0.977	1.121	0.991	0.146	1.318	-0.977	0.624
36	T	1.046	1.431	1.346	-0.026	1.112	0.543	0.042	1.431	-0.026	0.785
37	D	1.413	0.616	1.468	1.003	1.121	0.541	-1.557	1.468	-1.557	0.658
38	T	1.774	-0.128	1.795	1.536	1.485	1.141	-0.573	1.795	-0.573	1.004
39	N	1.774	-0.528	1.795	1.076	1.485	1.141	-0.573	1.795	-0.573	0.881
40	A	0.863	-1.138	1.515	-0.075	1.339	1.126	-0.179	1.515	-1.138	0.493
41	E	0.364	-1.138	1.403	-1.060	1.194	1.257	0.097	1.403	-1.138	0.302
42	I	0.168	-1.713	1.206	-1.345	1.039	1.237	-0.954	1.237	-1.713	-0.052
43	L	-0.142	-1.484	0.907	-1.087	0.729	1.196	-1.851	1.196	-1.851	-0.247
44	H	-0.142	-0.705	0.907	-0.659	0.729	1.196	-1.851	1.196	-1.851	-0.075
45	A	-0.869	-0.795	0.459	-0.748	0.355	0.598	-1.236	0.598	-1.236	-0.319
46	A	0.130	-0.795	0.926	-1.312	0.738	1.196	-1.584	1.196	-1.584	-0.100
47	A	0.844	0.019	1.010	-1.810	0.729	1.191	-3.029	1.191	-3.029	-0.149
48	V	0.844	-0.078	0.851	-2.252	0.556	0.571	-4.306	0.851	-4.306	-0.545
49	E	0.977	0.019	1.281	-2.303	1.030	1.196	-3.297	1.281	-3.297	-0.157
50	A	0.610	0.071	1.160	-2.343	1.020	1.197	-1.698	1.197	-2.343	0.002
51	A	0.610	0.071	1.160	-2.389	1.020	1.197	-1.698	1.197	-2.389	-0.004
52	R	1.205	0.698	1.272	-2.368	0.984	1.196	-2.287	1.272	-2.368	0.100
53	V	0.844	0.698	0.945	-2.293	0.619	0.596	-3.271	0.945	-3.271	-0.266
54	A	1.072	1.421	0.935	-2.140	0.574	0.596	-2.260	1.421	-2.260	0.028
55	G	1.205	2.277	1.365	-2.070	1.048	1.221	-1.251	2.277	-2.070	0.542
56	A	1.299	1.553	0.926	-2.012	0.528	0.596	-1.250	1.553	-2.012	0.234
57	G	1.944	1.553	1.197	-1.806	0.692	0.615	-1.679	1.944	-1.806	0.360
58	R	1.578	0.926	1.075	-1.524	0.683	0.616	-0.080	1.578	-1.524	0.468
59	G	1.350	0.113	1.085	-1.140	0.729	0.616	-1.090	1.350	-1.140	0.238

60 S	1.350	-0.514	1.085	-0.973	0.729	0.616	-1.090	1.350	-1.090	0.172
61 V	1.122	-0.831	1.094	-1.163	0.774	0.616	-2.101	1.122	-2.101	-0.070
62 A	0.990	-0.939	0.664	-1.579	0.300	-0.009	-3.110	0.990	-3.110	-0.526
63 A	1.261	-0.939	0.945	-1.618	0.665	0.480	-3.119	1.261	-3.119	-0.332
64 A	0.269	-0.939	0.711	-1.541	0.519	0.466	-2.844	0.711	-2.844	-0.480
65 A	0.636	-0.939	0.832	-1.082	0.528	0.464	-4.443	0.832	-4.443	-0.572
66 D	0.636	-1.264	0.832	-0.942	0.528	0.464	-4.443	0.832	-4.443	-0.598
67 L	0.636	-1.444	0.832	-1.140	0.528	0.464	-4.443	0.832	-4.443	-0.652
68 A	-0.003	-0.701	0.692	-1.701	0.510	0.466	-3.111	0.692	-3.111	-0.550
69 A	-0.003	-0.701	0.935	-1.954	0.784	0.485	-1.881	0.935	-1.954	-0.333
70 A	-0.003	-0.162	0.935	-1.853	0.784	0.485	-1.881	0.935	-1.881	-0.242
71 I	0.711	-0.366	1.019	-1.231	0.774	0.480	-3.326	1.019	-3.326	-0.277
72 P	1.211	-0.138	1.290	-0.279	1.093	0.968	-2.325	1.290	-2.325	0.260
73 D	0.496	-0.821	1.206	0.279	1.103	0.974	-0.880	1.206	-0.880	0.337
74 A	0.130	-0.785	1.085	0.371	1.093	0.975	0.719	1.093	-0.785	0.513
75 D	0.130	-0.785	1.085	-0.193	1.093	0.975	0.719	1.093	-0.785	0.432
76 L	0.490	-1.420	1.169	-1.064	1.185	1.556	0.473	1.556	-1.420	0.341
77 V	-0.009	-1.312	0.898	-2.003	0.866	1.067	-0.528	1.067	-2.003	-0.146
78 I	-0.376	-0.641	0.776	-2.406	0.856	1.069	1.071	1.071	-2.406	0.050
79 E	-1.242	0.293	0.384	-2.635	0.528	0.581	1.668	1.668	-2.635	-0.060
80 A	-0.167	-0.486	0.795	-2.476	0.884	1.175	1.207	1.207	-2.476	0.133
81 V	0.509	-0.486	1.216	-1.895	1.203	1.215	0.505	1.216	-1.895	0.324
82 V	0.433	-0.486	1.272	-1.271	1.230	1.218	0.619	1.272	-1.271	0.431
83 E	0.073	0.441	0.945	-0.534	0.866	0.619	-0.365	0.945	-0.534	0.292
84 N	-0.294	0.357	0.823	-0.277	0.856	0.620	1.234	1.234	-0.294	0.474
85 L	0.300	0.323	1.393	-0.580	1.504	1.213	0.710	1.504	-0.580	0.695
86 A	0.914	0.323	1.842	-1.229	1.886	1.254	0.284	1.886	-1.229	0.754
87 V	0.914	0.149	1.842	-1.671	1.886	1.254	0.284	1.886	-1.671	0.665
88 K	-0.111	0.820	1.459	-1.991	1.586	1.219	0.832	1.586	-1.991	0.545
89 Q	-0.111	0.802	1.477	-1.806	1.531	1.218	0.649	1.531	-1.806	0.537
90 E	0.250	0.107	1.804	-1.737	1.895	1.817	1.632	1.895	-1.737	0.824
91 L	0.749	-0.468	2.356	-1.749	2.379	2.440	1.043	2.440	-1.749	0.964
92 F	-0.193	0.227	1.823	-1.842	1.750	1.851	1.413	1.851	-1.842	0.718
93 E	-0.439	0.197	1.496	-2.078	1.376	1.809	0.239	1.809	-2.078	0.371
94 R	-0.604	-0.378	1.365	-2.152	1.166	1.229	0.306	1.365	-2.152	0.133
95 L	-0.604	-0.833	1.365	-2.104	1.166	1.229	0.306	1.365	-2.104	0.075
96 A	0.111	-0.090	1.431	-1.942	1.212	1.225	-0.955	1.431	-1.942	0.142
97 T	-0.250	-0.090	1.346	-1.617	1.121	0.644	-0.709	1.346	-1.617	0.064
98 L	0.117	-0.677	1.188	-1.119	0.966	0.509	-0.717	1.188	-1.119	0.038
99 A	0.832	-0.677	1.272	-0.639	0.957	0.503	-2.162	1.272	-2.162	0.012
100P	0.465	-0.677	1.150	-0.167	0.948	0.505	-0.563	1.150	-0.677	0.237
101D	-0.446	-0.544	0.870	-0.224	0.802	0.490	-0.169	0.870	-0.544	0.111
102A	0.269	-0.474	0.954	-0.703	0.793	0.485	-1.614	0.954	-1.614	-0.042
103V	0.465	0.017	1.150	-1.315	0.948	0.505	-0.563	1.150	-1.315	0.172
104L	0.775	0.968	1.206	-1.241	0.984	0.526	-0.896	1.206	-1.241	0.332
105A	0.471	1.076	1.132	-0.613	0.820	0.057	-0.846	1.132	-0.846	0.300
106T	0.749	0.872	1.281	0.691	0.975	0.077	0.324	1.281	0.077	0.710
107N	0.749	0.740	1.281	1.457	0.975	0.077	0.324	1.457	0.077	0.800
108T	0.749	-0.194	1.281	1.461	0.975	0.077	0.324	1.461	-0.194	0.668
109S	0.749	-0.058	1.524	0.769	1.248	0.096	1.554	1.554	-0.058	0.840
110V	-0.085	-0.913	1.188	-0.221	1.075	0.078	1.835	1.835	-0.913	0.422
111L	-0.167	-0.913	0.879	-1.081	0.720	0.038	1.948	1.948	-1.081	0.203
112P	-0.363	-0.218	0.683	-1.511	0.565	0.018	0.897	0.897	-1.511	0.010
113I	-1.008	-0.001	0.412	-1.846	0.401	-0.001	1.326	1.326	-1.846	-0.103
114G	-0.446	1.137	0.730	-1.896	0.565	0.018	0.778	1.137	-1.896	0.126
115A	0.629	0.413	1.141	-1.819	0.920	0.612	0.317	1.141	-1.819	0.316
116V	0.762	0.988	1.328	-1.790	1.121	1.217	0.096	1.328	-1.790	0.532
117T	1.034	1.623	1.346	-1.735	1.130	1.217	0.363	1.623	-1.735	0.711
118E	1.167	1.760	1.683	-1.937	1.540	1.817	0.336	1.817	-1.937	0.909
119R	1.666	2.040	1.954	-1.882	1.859	2.306	1.338	2.306	-1.882	1.326

120V	2.260	2.040	2.066	-1.618	1.823	2.304	0.749	2.304	-1.618	1.375
121E	2.343	2.040	2.019	-0.881	1.823	2.304	0.868	2.343	-0.881	1.502
122D	2.115	1.141	2.122	-0.292	1.932	2.329	0.894	2.329	-0.292	1.463
123G	1.616	1.229	1.571	-0.016	1.449	1.706	1.483	1.706	-0.016	1.291
124S	1.344	1.093	1.552	-0.504	1.440	1.706	1.216	1.706	-0.504	1.121
125R	1.211	0.327	1.216	-1.172	1.030	1.107	1.243	1.243	-1.172	0.709
126V	0.907	-0.661	1.141	-1.889	0.866	0.638	1.293	1.293	-1.889	0.328
127I	0.680	-1.067	1.309	-1.596	1.084	1.258	1.560	1.560	-1.596	0.461
128G	-0.313	-0.134	1.094	-0.896	0.884	1.242	1.651	1.651	-0.896	0.504
129T	-1.211	-0.402	0.683	0.149	0.428	0.642	1.674	1.674	-1.211	0.281
130H	-0.534	-0.534	1.103	1.023	0.747	0.681	0.972	1.103	-0.534	0.494
131F	0.104	-0.086	1.487	1.397	1.039	0.699	0.871	1.487	-0.086	0.787
132W	-0.123	-0.116	1.739	1.601	1.358	0.718	1.090	1.739	-0.123	0.895
133N	0.180	0.063	1.814	1.873	1.522	1.187	1.040	1.873	0.063	1.097
134P	-0.534	-0.188	1.571	1.793	1.358	0.572	1.208	1.793	-0.534	0.826
135P	-0.458	-0.643	1.496	1.307	1.385	0.570	1.279	1.496	-0.643	0.705
136D	0.307	-1.097	1.720	0.581	1.640	0.564	1.476	1.720	-1.097	0.741
137L	-0.370	-1.061	1.300	-0.523	1.321	0.524	2.178	2.178	-1.061	0.481
138I	-0.736	-0.953	0.935	-1.163	1.039	0.507	2.547	2.547	-1.163	0.311
139P	-0.376	-0.725	1.019	-1.528	1.130	1.088	2.301	2.301	-1.528	0.415
140V	-1.242	-0.725	0.627	-1.793	0.802	0.600	2.898	2.898	-1.793	0.167
141V	-0.894	0.227	0.589	-1.976	0.784	0.596	3.052	3.052	-1.976	0.340
142E	-0.256	0.323	0.973	-1.932	1.075	0.614	2.950	2.950	-1.932	0.535
143V	0.022	0.562	0.879	-1.620	0.957	0.615	2.890	2.890	-1.620	0.615
144V	0.389	1.149	1.001	-0.984	0.966	0.613	1.291	1.291	-0.984	0.632
145P	0.888	1.245	1.552	-0.466	1.449	1.236	0.702	1.552	-0.466	0.944
146S	0.724	1.245	1.421	-0.308	1.239	0.657	0.769	1.421	-0.308	0.821
147A	1.091	0.928	1.543	-0.655	1.248	0.655	-0.830	1.543	-0.830	0.569
148R	1.457	1.419	1.907	-0.925	1.531	0.672	-1.199	1.907	-1.199	0.695
149T	1.957	0.606	1.935	-0.798	1.576	1.142	-1.428	1.957	-1.428	0.713
150A	1.875	0.654	1.982	-0.291	1.576	1.142	-1.547	1.982	-1.547	0.770
151P	1.875	1.467	1.982	0.301	1.576	1.142	-1.547	1.982	-1.547	0.971
152D	2.241	1.012	1.823	0.777	1.422	1.007	-1.555	2.241	-1.555	0.961
153T	2.178	0.377	2.057	0.577	1.741	1.611	-1.597	2.178	-1.597	0.992
154A	1.812	-0.114	1.935	0.227	1.731	1.613	0.002	1.935	-0.114	1.030
155D	1.445	-0.318	1.571	-0.424	1.449	1.595	0.371	1.595	-0.424	0.813
156R	0.945	-1.061	1.300	-1.106	1.130	1.107	-0.630	1.300	-1.106	0.241
157V	0.035	-1.384	1.019	-1.733	0.984	1.092	-0.236	1.092	-1.733	-0.032
158V	-0.680	-0.797	0.935	-2.085	0.993	1.097	1.209	1.209	-2.085	0.096
159A	-0.983	-0.797	0.860	-2.269	0.829	0.628	1.259	1.259	-2.269	-0.067
160L	-0.869	-0.170	0.758	-2.000	0.729	0.046	1.423	1.423	-2.000	-0.012
161L	-0.869	0.866	0.758	-1.648	0.729	0.046	1.423	1.423	-1.648	0.186
162T	-0.275	0.866	0.870	-1.300	0.692	0.045	0.835	0.870	-1.300	0.247
163Q	-0.047	0.734	1.318	-1.240	1.330	0.639	1.910	1.910	-1.240	0.663
164V	-0.047	0.147	1.318	-1.480	1.330	0.639	1.910	1.910	-1.480	0.545
165G	0.667	1.056	1.646	-1.677	1.595	0.653	1.695	1.695	-1.677	0.805
166K	0.104	0.333	1.328	-1.809	1.431	0.634	2.243	2.243	-1.809	0.609
167L	-0.009	0.129	1.431	-1.725	1.531	1.217	2.079	2.079	-1.725	0.664
168P	-0.009	1.147	1.431	-1.646	1.531	1.217	2.079	2.079	-1.646	0.821
169V	-0.009	1.327	1.431	-1.749	1.531	1.217	2.079	2.079	-1.749	0.832
170R	-0.104	1.327	1.412	-2.007	1.367	1.247	2.013	2.013	-2.007	0.751
171V	1.110	0.872	1.767	-1.864	1.677	1.730	1.569	1.767	-1.864	0.980
172G	0.743	1.595	1.403	-1.657	1.394	1.713	1.938	1.938	-1.657	1.018
173R	1.110	0.794	1.767	-0.979	1.677	1.730	1.569	1.767	-0.979	1.095
174D	1.205	-0.344	1.328	-0.533	1.157	1.106	1.570	1.570	-0.533	0.784
175V	0.857	-0.256	1.384	-0.237	1.121	1.108	1.232	1.384	-0.256	0.744
176P	-0.009	0.449	1.253	-0.488	1.148	1.110	1.554	1.554	-0.488	0.717
177G	0.085	0.904	0.814	-0.775	0.629	0.485	1.555	1.555	-0.775	0.528
178F	-0.104	0.073	0.842	-0.942	0.619	0.037	1.451	1.451	-0.942	0.282
179I	0.395	0.738	1.393	-0.758	1.103	0.660	0.861	1.393	-0.758	0.627

180G	-0.319	1.153	1.066	-0.419	0.838	0.647	1.076	1.153	-0.419	0.577
181N	-0.300	0.525	1.403	-0.175	1.257	0.689	1.239	1.403	-0.300	0.663
182R	0.414	-0.288	1.627	-0.036	1.476	1.305	1.256	1.627	-0.288	0.822
183L	1.053	-1.604	1.767	-0.046	1.494	1.303	-0.076	1.767	-1.604	0.556
184Q	0.111	-0.587	1.692	0.151	1.549	1.308	0.358	1.692	-0.587	0.655
185H	-0.964	-0.502	1.412	-0.096	1.257	1.293	0.494	1.412	-0.964	0.413
186A	-0.964	-0.593	1.412	-0.563	1.257	1.293	0.494	1.412	-0.964	0.334
187L	0.111	-0.917	1.823	-1.455	1.613	1.887	0.032	1.887	-1.455	0.442
188W	-0.136	-0.713	1.496	-2.152	1.239	1.845	-1.141	1.845	-2.152	0.063
189R	-0.774	-0.414	1.197	-2.655	1.048	1.227	-1.087	1.227	-2.655	-0.208
190E	-0.774	-1.324	1.197	-2.682	1.048	1.227	-1.087	1.227	-2.682	-0.342
191A	-0.774	-1.899	1.197	-2.723	1.048	1.227	-1.087	1.227	-2.723	-0.430
192I	-0.376	-1.324	1.057	-2.715	1.020	1.203	-0.520	1.203	-2.715	-0.236
193A	-0.509	-0.372	0.627	-2.646	0.547	0.578	-1.529	0.627	-2.646	-0.472
194L	-0.509	-0.468	0.627	-2.522	0.547	0.578	-1.529	0.627	-2.522	-0.468
195V	-0.281	-0.228	0.618	-2.387	0.501	0.578	-0.519	0.618	-2.387	-0.246
196A	-0.009	0.407	0.636	-2.243	0.510	0.578	-0.252	0.636	-2.243	-0.053
197E	-0.054	0.766	0.421	-1.967	0.419	0.596	1.380	1.380	-1.967	0.223
198G	1.160	1.022	0.776	-1.369	0.729	1.079	0.936	1.160	-1.369	0.619
199V	1.527	0.886	1.141	-0.496	1.011	1.097	0.568	1.527	-0.496	0.819
200C	1.755	0.886	1.589	0.264	1.649	1.691	1.643	1.755	0.264	1.354
201D	1.590	1.389	1.459	0.689	1.440	1.112	1.710	1.710	0.689	1.341
202P	0.996	0.646	1.346	0.368	1.476	1.113	2.298	2.298	0.368	1.178
203K	1.862	0.191	1.739	0.028	1.804	1.601	1.701	1.862	0.028	1.275
204T	1.192	-0.737	1.870	-0.393	1.905	1.588	1.513	1.905	-0.737	0.991
205V	0.326	-0.414	1.477	-0.490	1.576	1.101	2.111	2.111	-0.490	0.812
206D	-0.041	0.291	1.113	-0.708	1.294	1.083	2.480	2.480	-0.708	0.787
207L	-0.136	0.243	1.094	-1.081	1.130	1.113	2.414	2.414	-1.081	0.683
208V	-0.022	0.123	1.197	-1.268	1.285	1.134	2.260	2.260	-1.268	0.673
209V	0.541	0.846	1.515	-0.959	1.449	1.153	1.712	1.712	-0.959	0.894
210R	-0.597	0.738	1.103	-0.427	1.112	0.665	2.043	2.043	-0.597	0.662
211N	0.345	0.738	1.178	0.053	1.057	0.660	1.608	1.608	0.053	0.806
212T	-0.003	-0.076	1.216	-0.206	1.075	0.664	1.454	1.454	-0.206	0.589
213I	0.496	-0.566	1.767	-1.063	1.558	1.287	0.865	1.767	-1.063	0.621
214G	-0.351	0.249	1.253	-1.844	1.093	0.668	1.301	1.301	-1.844	0.338
215L	-0.661	-0.583	0.954	-2.465	0.784	0.627	0.403	0.954	-2.465	-0.134
216R	-0.661	0.249	0.954	-2.458	0.784	0.627	0.403	0.954	-2.458	-0.015
217L	-0.736	-0.206	1.010	-2.219	0.811	0.631	0.517	1.010	-2.219	-0.028
218A	-0.736	-0.206	1.010	-1.922	0.811	0.631	0.517	1.010	-1.922	0.015
219T	-0.022	0.369	1.337	-1.549	1.075	0.644	0.302	1.337	-1.549	0.308
220L	-0.869	0.487	0.823	-1.331	0.610	0.025	0.738	0.823	-1.331	0.069
221G	0.206	0.692	1.234	-1.244	0.966	0.619	0.276	1.234	-1.244	0.393
222P	0.515	0.604	1.533	-0.861	1.276	0.660	1.173	1.533	-0.861	0.700
223L	0.319	-0.162	1.337	-0.593	1.121	0.640	0.123	1.337	-0.593	0.398
224E	1.533	-0.282	1.692	0.175	1.431	1.123	-0.321	1.692	-0.321	0.764
225N	1.053	-0.230	1.954	0.690	1.713	1.143	0.010	1.954	-0.230	0.905
226A	0.414	-1.043	1.571	0.756	1.422	1.125	0.112	1.571	-1.043	0.622
227D	1.356	-0.504	1.646	0.251	1.367	1.120	-0.323	1.646	-0.504	0.702
228Y	0.281	-1.248	1.234	-0.577	1.011	0.526	0.139	1.234	-1.248	0.195
229I	0.471	-0.350	1.206	-1.305	1.020	0.974	0.243	1.206	-1.305	0.323
230G	-0.243	-0.230	1.122	-1.401	1.030	0.980	1.688	1.688	-1.401	0.421
231L	-0.547	-0.857	1.047	-1.082	0.866	0.511	1.738	1.738	-1.082	0.239
232D	-1.008	-0.977	0.711	-0.797	0.638	0.497	1.840	1.840	-1.008	0.129
233L	-0.370	-1.426	0.851	-0.719	0.656	0.495	0.509	0.851	-1.426	-0.001
234T	-1.236	-0.683	0.720	-1.242	0.683	0.497	0.830	0.830	-1.242	-0.061
235L	-0.521	-1.174	0.963	-1.326	0.847	1.111	0.662	1.111	-1.326	0.080
236A	-0.521	-1.065	0.963	-1.136	0.847	1.111	0.662	1.111	-1.136	0.123
237I	0.193	-1.390	1.047	-0.251	0.838	1.106	-0.783	1.106	-1.390	0.109
238H	-0.370	-0.707	0.730	0.435	0.674	1.087	-0.235	1.087	-0.707	0.231
239D	-0.294	0.059	0.674	0.443	0.647	1.084	-0.348	1.084	-0.348	0.323

240A	-0.294	-0.685	0.917	-0.233	0.920	1.103	0.882	1.103	-0.685	0.373
241V	0.623	-0.076	1.206	-0.796	1.093	1.121	0.720	1.206	-0.796	0.556
242I	-0.092	0.111	0.963	-1.052	0.929	0.507	0.888	0.963	-1.052	0.322
243P	-0.281	0.974	0.991	-0.323	0.920	0.058	0.784	0.991	-0.323	0.446
244S	-0.281	0.974	1.150	0.818	1.093	0.678	2.061	2.061	-0.281	0.928
245L	0.585	0.209	1.543	2.028	1.422	1.165	1.464	2.028	0.209	1.202
246N	1.224	0.772	1.926	2.988	1.713	1.183	1.362	2.988	0.772	1.595
247H	1.224	1.018	1.842	3.617	1.613	1.784	1.409	3.617	1.018	1.787
248D	0.945	1.287	1.935	3.525	1.731	1.782	1.469	3.525	0.945	1.811
249P	1.938	0.544	2.169	3.390	1.877	1.797	1.194	3.390	0.544	1.844
250H	1.628	-0.019	2.113	2.859	1.841	1.776	1.527	2.859	-0.019	1.675
251P	0.914	0.704	1.870	2.262	1.677	1.161	1.695	2.262	0.704	1.469
252S	-0.300	0.920	1.515	1.357	1.367	0.678	2.139	2.139	-0.300	1.096
253P	-0.167	-0.140	1.702	0.225	1.567	1.283	1.918	1.918	-0.167	0.913
254L	0.193	-0.595	1.870	-1.062	1.759	1.263	1.624	1.870	-1.062	0.722
255L	-0.521	-0.390	1.543	-1.958	1.494	1.249	1.839	1.839	-1.958	0.465
256R	-1.166	-0.186	1.272	-2.466	1.330	1.231	2.268	2.268	-2.466	0.326
257E	-1.166	-0.372	1.029	-2.600	1.057	1.212	1.038	1.212	-2.600	0.028
258L	-0.452	-0.456	1.113	-2.486	1.048	1.206	-0.407	1.206	-2.486	-0.062
259V	0.490	-0.456	1.188	-2.340	0.993	1.201	-0.842	1.201	-2.340	0.033
260A	0.604	0.267	1.085	-2.085	0.893	0.619	-0.677	1.085	-2.085	0.101
261A	-0.471	0.267	0.674	-1.874	0.537	0.025	-0.216	0.674	-1.874	-0.151
262G	0.471	1.080	0.748	-1.644	0.483	0.019	-0.651	1.080	-1.644	0.072
263Q	0.838	0.944	0.870	-1.596	0.492	0.018	-2.250	0.944	-2.250	-0.098
264L	0.971	1.080	1.300	-1.723	0.966	0.642	-1.240	1.300	-1.723	0.285
265G	1.167	1.375	1.496	-1.826	1.121	0.662	-0.190	1.496	-1.826	0.544
266A	1.167	1.375	1.496	-1.848	1.121	0.662	-0.190	1.496	-1.848	0.540
267R	0.920	1.201	1.328	-1.339	0.920	1.240	-0.086	1.328	-1.339	0.598
268T	1.862	0.183	1.403	-0.664	0.866	1.234	-0.520	1.862	-0.664	0.623
269G	0.920	0.231	1.346	0.139	0.866	1.239	-0.269	1.346	-0.269	0.639
270H	0.206	-0.899	1.262	0.379	0.875	1.244	1.176	1.262	-0.899	0.606
271G	0.572	-0.631	1.103	0.450	0.720	1.108	1.168	1.168	-0.631	0.641
272F	-0.389	-1.258	0.926	-0.031	0.583	1.113	1.149	1.149	-1.258	0.299
273L	-0.616	-0.456	1.178	-0.061	0.902	1.132	1.369	1.369	-0.616	0.493
274D	-0.616	-0.252	1.019	-0.330	0.729	0.513	0.091	1.019	-0.616	0.165
275W	-0.616	0.023	1.019	-0.344	0.729	0.513	0.091	1.019	-0.616	0.202
276P	0.098	1.101	1.085	-0.763	0.774	0.508	-1.170	1.101	-1.170	0.233
277A	0.945	0.742	1.599	-1.169	1.239	1.128	-1.606	1.599	-1.606	0.411
278G	0.806	1.233	1.655	-1.782	1.285	1.238	-1.623	1.655	-1.782	0.402
279A	1.571	1.097	1.636	-2.081	1.267	1.213	-2.655	1.636	-2.655	0.292
280R	1.767	1.097	1.589	-2.226	1.148	1.214	-2.835	1.767	-2.835	0.251
281E	1.963	1.097	1.786	-1.954	1.303	1.234	-1.784	1.963	-1.954	0.521
282A	1.736	0.317	1.795	-1.535	1.349	1.234	-2.794	1.795	-2.794	0.300
283T	1.868	0.317	2.225	-1.211	1.823	1.859	-1.785	2.225	-1.785	0.728
284T	1.021	0.317	1.711	-1.228	1.358	1.239	-1.349	1.711	-1.349	0.438
285A	0.661	-0.084	1.384	-1.606	0.993	0.640	-2.333	1.384	-2.333	-0.049
286R	0.907	-0.408	1.711	-1.932	1.367	0.682	-1.160	1.711	-1.932	0.167
287L	0.711	-1.222	1.674	-1.661	1.385	1.282	-0.933	1.674	-1.661	0.177
288A	-0.123	-1.017	1.337	-1.119	1.212	1.264	-0.652	1.337	-1.119	0.129
289Q	-0.123	-0.526	1.337	-0.399	1.212	1.264	-0.652	1.337	-0.652	0.302
290H	-0.256	-1.222	0.907	-0.287	0.738	0.639	-1.661	0.907	-1.661	-0.163
291I	0.705	-0.821	1.318	-0.633	1.103	0.676	-1.933	1.318	-1.933	0.059
292A	-0.009	-0.496	1.234	-1.272	1.112	0.682	-0.488	1.234	-1.272	0.109
293A	-0.009	0.113	1.234	-1.478	1.112	0.682	-0.488	1.234	-1.478	0.167
294Q	-0.009	0.688	1.075	-1.624	0.938	0.062	-1.765	1.075	-1.765	-0.091
295L	0.939	1.028	1.515	-0.965	1.267	0.101	-2.200	1.515	-2.200	0.241
296Q	1.299	1.860	1.842	-0.512	1.631	0.700	-1.216	1.860	-1.216	0.801
297A	1.527	2.182	2.290	0.031	2.269	1.295	-0.141	2.290	-0.141	1.351
298N	1.508	2.810	1.954	0.020	1.850	1.252	-0.304	2.810	-0.304	1.299
299E	2.355	2.691	2.468	-0.439	2.315	1.872	-0.740	2.691	-0.740	1.503

300K	**2.336**	**2.371**	**2.132**	**-1.288**	**1.895**	**1.829**	**-0.903**	**2.371**	**-1.288**	**1.196**
301G	**2.532**	**1.794**	**2.328**	**-1.691**	**2.050**	**1.849**	**0.148**	**2.532**	**-1.691**	**1.287**
302R	**2.090**	**1.421**	**1.571**	**-1.830**	**2.060**	**1.869**	**-0.749**	**2.090**	**-1.830**	**0.919**
303G	**1.597**	**0.862**	**0.786**	**-1.350**	**2.014**	**1.329**	**-1.733**	**2.014**	**-1.733**	**0.501**
304T	**1.236**	**0.489**	**-0.121**	**-0.848**	**1.695**	**0.795**	**-2.808**	**1.695**	**-2.808**	**0.063**

TOP

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]MLTSHGFSRAAVVGAGLMGRRIAGVLASAGLDVAITDTNAEILHAAAVEAARVAGAGRGSVAAAA DLAAAIPDADLVIEAVVENLAVKQELFERLATLAPDAVLATNTSVLPIGAVTERVEDGSRVIGTHFWN PPDLIPVVEVVPSARTAPDTADRVVALLTQVGKLPVRVGRDVPGFIGNRLQHALWREAIALVAEGV CDPKTVDLVVRNTIGLRLATLGPLENADYIGLDLTLAIHDAVIPSLNHDPHPSPLLRELVAAGQLGAR TGHGFLDWPAGAREATTARLAQHIAAQLQANEKGRGT[304]
Hydrophilicity	[1]MLTSHGFSRAAVVGAGLMGRRIAGVLASAGLDVAITDTNAEILHAAAVEAARVAGAGRGSVAAAA DLAAAIPDADLVIEAVVENLAVKQELFERLATLAPDAVLATNTSVLPIGAVTERVEDGSRVIGTHFWN PPDLIPVVEVVPSARTAPDTADRVVALLTQVGKLPVRVGRDVPGFIGNRLQHALWREAIALVAEGV CDPKTVDLVVRNTIGLRLATLGPLENADYIGLDLTLAIHDAVIPSLNHDPHPSPLLRELVAAGQLGAR TGHGFLDWPAGAREATTARLAQHIAAQLQANEKGRGT[304]
Flexibility	[1]MLTSHGFSRAAVVGAGLMGRRIAGVLASAGLDVAITDTNAEILHAAAVEAARVAGAGRGSVAAAA DLAAAIPDADLVIEAVVENLAVKQELFERLATLAPDAVLATNTSVLPIGAVTERVEDGSRVIGTHFWN PPDLIPVVEVVPSARTAPDTADRVVALLTQVGKLPVRVGRDVPGFIGNRLQHALWREAIALVAEGV CDPKTVDLVVRNTIGLRLATLGPLENADYIGLDLTLAIHDAVIPSLNHDPHPSPLLRELVAAGQLGAR TGHGFLDWPAGAREATTARLAQHIAAQLQANEKGRGT[304]
Accessibility	[1]MLTSHGFSRAAVVGAGLMGRRIAGVLASAGLDVAITDTNAEILHAAAVEAARVAGAGRGSVAAAA DLAAAIPDADLVIEAVVENLAVKQELFERLATLAPDAVLATNTSVLPIGAVTERVEDGSRVIGTHFWN PPDLIPVVEVVPSARTAPDTADRVVALLTQVGKLPVRVGRDVPGFIGNRLQHALWREAIALVAEGV CDPKTVDLVVRNTIGLRLATLGPLENADYIGLDLTLAIHDAVIPSLNHDPHPSPLLRELVAAGQLGAR TGHGFLDWPAGAREATTARLAQHIAAQLQANEKGRGT[304]
Turns	[1]MLTSHGFSRAAVVGAGLMGRRIAGVLASAGLDVAITDTNAEILHAAAVEAARVAGAGRGSVAAAA DLAAAIPDADLVIEAVVENLAVKQELFERLATLAPDAVLATNTSVLPIGAVTERVEDGSRVIGTHFWN PPDLIPVVEVVPSARTAPDTADRVVALLTQVGKLPVRVGRDVPGFIGNRLQHALWREAIALVAEGV CDPKTVDLVVRNTIGLRLATLGPLENADYIGLDLTLAIHDAVIPSLNHDPHPSPLLRELVAAGQLGAR TGHGFLDWPAGAREATTARLAQHIAAQLQANEKGRGT[304]
Exposed Surface	[1]MLTSHGFSRAAVVGAGLMGRRIAGVLASAGLDVAITDTNAEILHAAAVEAARVAGAGRGSVAAAA DLAAAIPDADLVIEAVVENLAVKQELFERLATLAPDAVLATNTSVLPIGAVTERVEDGSRVIGTHFWN PPDLIPVVEVVPSARTAPDTADRVVALLTQVGKLPVRVGRDVPGFIGNRLQHALWREAIALVAEGV

	CDPKTVDLVVRNTIGLRLATLGPLENADYIGLDLTLAIHDAVIPSLNHDPHPSPLLRELVAAGQLGAR TGHGFLDWPAGAREATTARLAQHIAAQLQANEKGRGT[304]
Polarity	[1]MLTSHGFSRAAVVGAGLMGRRIAGVLASAGLDVAITDTNAEILHAAAVEAARVAGAGRGSVAAAA DLAAAIPDADLVIEAVVENLAVKQELFERLATLAPDAVLATNTSVLPIGAVTERVEDGSRVIGTHFWN PPDLIPVVEVVPSARTAPDTADRVVALLTQVGKLPVRVGRDVPGFIGNRLQHALWREAIALVAEGV CDPKTVDLVVRNTIGLRLATLGPLENADYIGLDLTLAIHDAVIPSLNHDPHPSPLLRELVAAGQLGAR TGHGFLDWPAGAREATTARLAQHIAAQLQANEKGRGT[304]
Antigenic Propensity	[1]MLTSHGFSRAAVVGAGLMGRRIAGVLASAGLDVAITDTNAEILHAAAVEAARVAGAGRGSVAAAA DLAAAIPDADLVIEAVVENLAVKQELFERLATLAPDAVLATNTSVLPIGAVTERVEDGSRVIGTHFWN PPDLIPVVEVVPSARTAPDTADRVVALLTQVGKLPVRVGRDVPGFIGNRLQHALWREAIALVAEGV CDPKTVDLVVRNTIGLRLATLGPLENADYIGLDLTLAIHDAVIPSLNHDPHPSPLLRELVAAGQLGAR TGHGFLDWPAGAREATTARLAQHIAAQLQANEKGRGT[304]

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