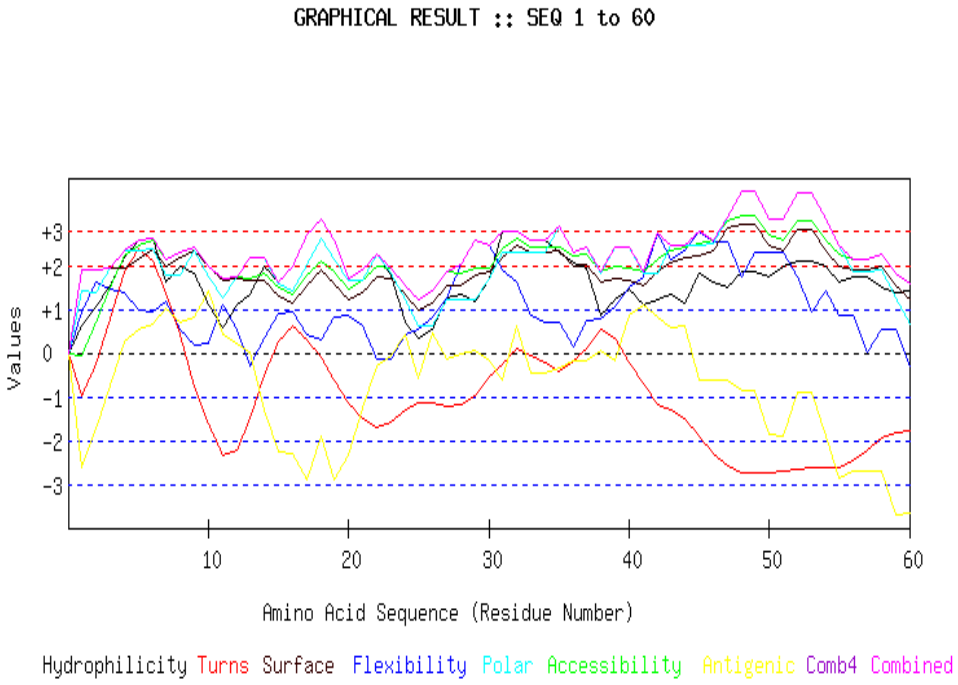
BcePred Prediction Server

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

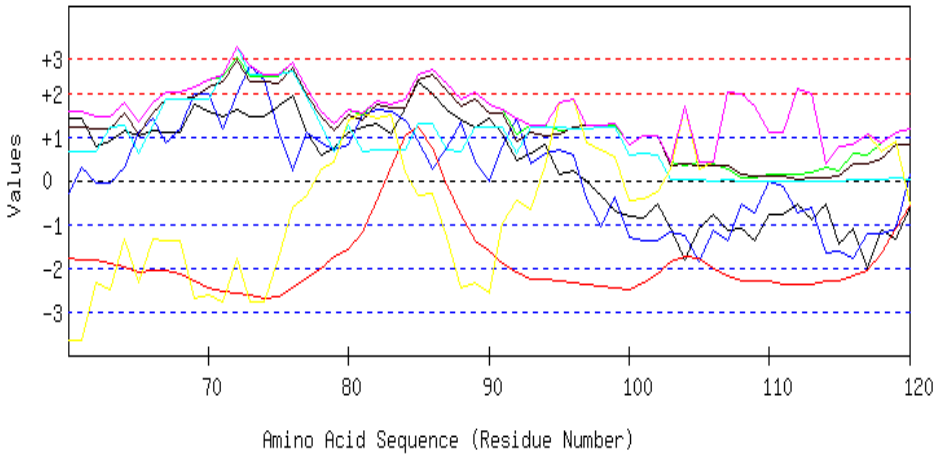
seqname=
Seq=MTEHNEDPQIERVADDAADEEAVTEPLATESKDEPAEHPEFEGPRRRARRERAERRAAQARATAIEQARRA
AKRRARGQIVSEQNPAKPAARGVVRGLKALLATVVLAVVGIGLGLALYFTPAMSAREIVIIGIGAVSREEVLDAARV
RPATPLLQIDTQQVADRVATIRRVASARVQRQYPSALRITIVERVPVVVKDFSDGPHLFDRDGVDFATDPPPPALPY
FDVDNPGPSDPTTKAALQVLTALHPEVASQVGRIAAPSVASITLTLADGRVVIWGTTDRCEEKAEKLAALLTQPGR
TYDVSSPDLPTVK

Length=314

GRAPHICAL RESULT

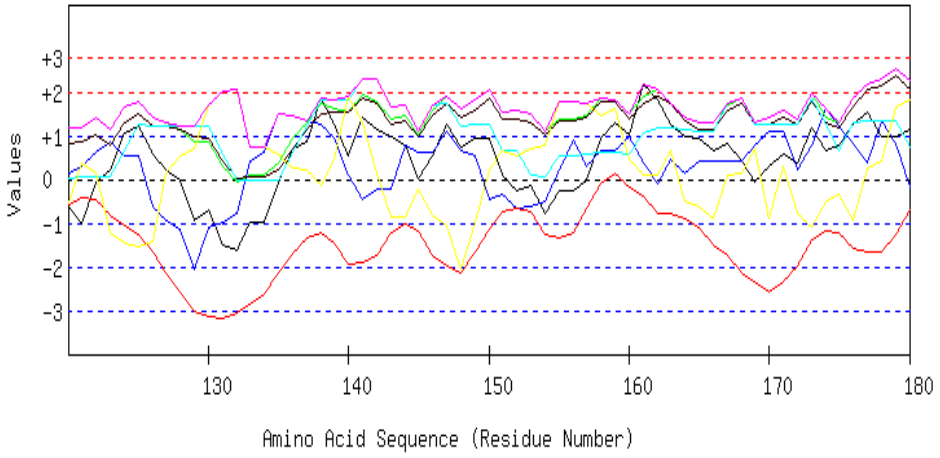


GRAPHICAL RESULT :: SEQ 61 to 120



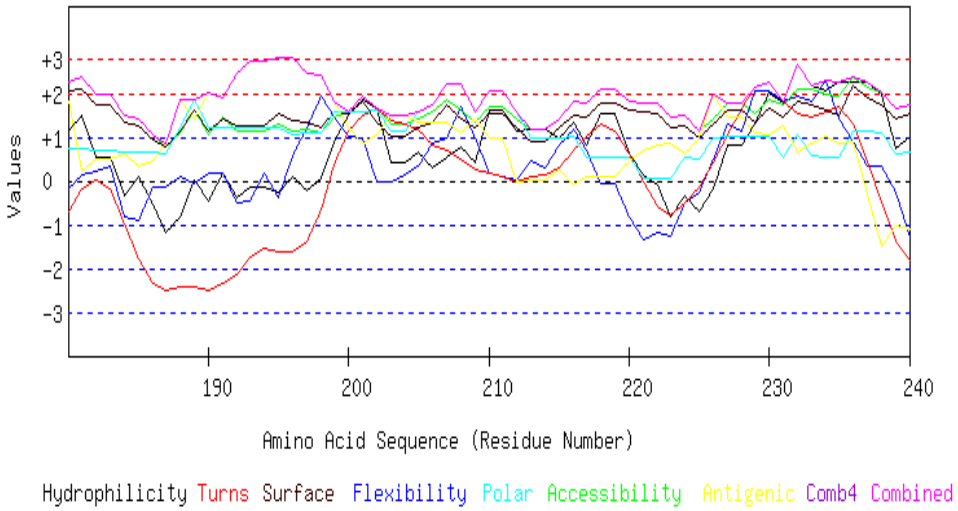
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 121 to 180

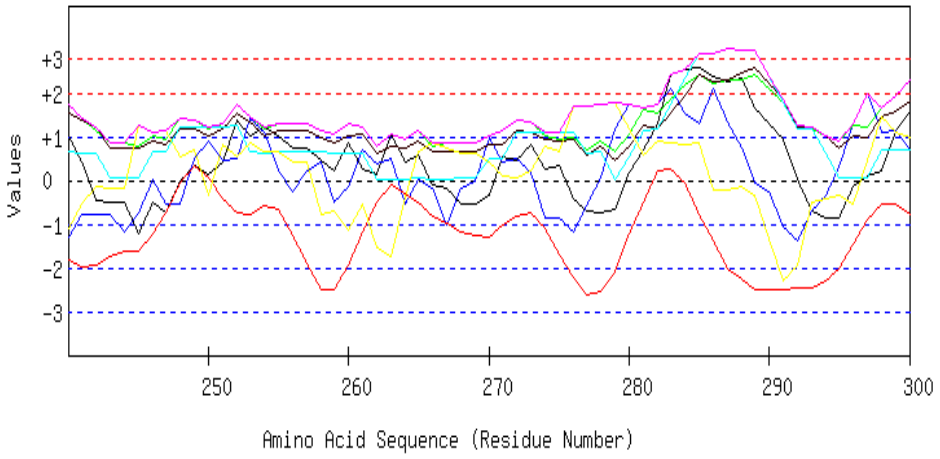


Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 181 to 240

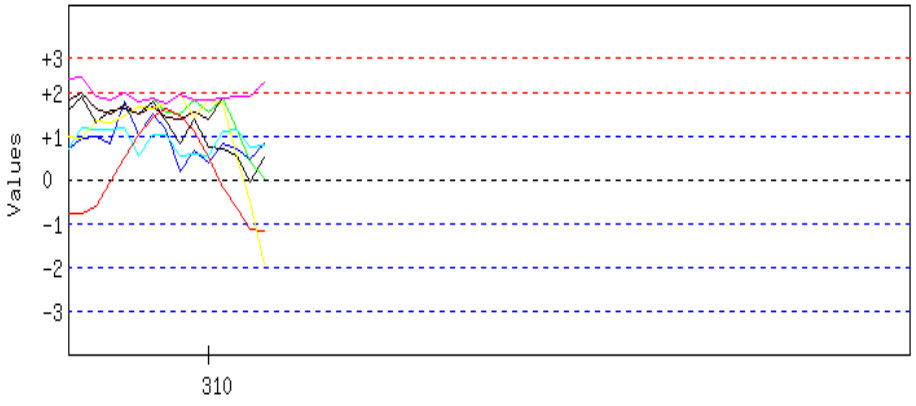


GRAPHICAL RESULT :: SEQ 241 to 300



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

**MTEHNEDPQIERVADDAADEEAVTEPLATESKDEPAEHPEFEGPRRRARRERAERRAAQA
RATAIEQARRAAKRRARGQIVSEQNPAKPAARGVVRGLKALLATVVLAVVGIGLGLALYF
TPAMSAREIVIIGIGAVSREEVLDAARVRPATPLLQIDTQQVADRVATIRRVASARVQRQ
YPSALRITIVERVPVVVKDFSDGPHLFDRDGVDFATDPPPPALPYFDVDNPGPSDPTTKA
ALQVLTALHPEVASQVGRIAAPSVASITLTLADGRVVIWGTTDRCEEKAEKLAALLTQPG
RTYDVSSPDLPTVK**

Length=314

A.A.		Parameter									Combined
		Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	MIN	AVG
1	M	0.610	0.952	-0.055	-0.968	1.895	1.407	-2.622	1.895	-2.622	0.174
2	T	1.053	1.605	0.702	-0.267	1.886	1.387	-1.725	1.886	-1.725	0.663
3	E	1.546	1.473	1.487	0.778	1.932	1.927	-0.741	1.932	-0.741	1.200
4	H	2.178	1.389	2.216	1.867	1.932	2.355	0.260	2.355	0.260	1.742
5	N	2.577	0.974	2.468	2.368	2.160	2.357	0.535	2.577	0.535	1.920
6	E	2.627	0.940	2.599	2.108	2.379	2.380	0.658	2.627	0.658	1.956
7	D	1.628	1.179	2.132	1.391	1.996	1.782	1.006	2.132	1.006	1.587
8	P	1.989	0.544	2.300	0.414	2.187	1.762	0.712	2.300	0.414	1.415
9	Q	1.812	0.185	2.431	-0.771	2.351	2.346	0.824	2.431	-0.771	1.311
10	I	1.084	0.233	1.982	-1.608	1.977	1.748	1.439	1.982	-1.608	0.979
11	E	0.585	1.097	1.711	-2.335	1.658	1.259	0.438	1.711	-2.335	0.630
12	R	1.084	0.521	1.739	-2.224	1.704	1.729	0.209	1.739	-2.224	0.680
13	V	1.337	-0.292	1.683	-1.512	1.649	2.175	0.037	2.175	-1.512	0.725
14	A	1.976	0.343	1.823	-0.481	1.668	2.173	-1.295	2.173	-1.295	0.887
15	D	1.616	0.918	1.496	0.260	1.303	1.574	-2.279	1.616	-2.279	0.698
16	D	1.982	0.954	1.337	0.612	1.148	1.438	-2.287	1.982	-2.287	0.741
17	A	2.709	0.415	1.786	0.297	1.522	2.036	-2.902	2.709	-2.902	0.838
18	A	3.070	0.319	2.113	-0.100	1.886	2.636	-1.918	3.070	-1.918	1.144
19	D	2.570	0.810	1.842	-0.628	1.567	2.147	-2.919	2.570	-2.919	0.770
20	E	1.704	0.846	1.449	-1.151	1.239	1.659	-2.321	1.704	-2.321	0.489
21	E	1.900	0.630	1.646	-1.509	1.394	1.679	-1.270	1.900	-1.509	0.639
22	A	2.260	-0.150	1.973	-1.702	1.759	2.279	-0.287	2.279	-1.702	0.876
23	V	1.761	-0.150	1.945	-1.593	1.713	1.809	-0.058	1.945	-1.593	0.775
24	T	0.686	0.437	1.533	-1.314	1.358	1.215	0.403	1.533	-1.314	0.617
25	E	0.326	0.521	1.206	-1.128	0.993	0.615	-0.580	1.206	-1.128	0.279
26	P	0.522	0.802	1.403	-1.128	1.148	0.635	0.471	1.403	-1.128	0.550
27	L	1.249	1.275	1.851	-1.238	1.522	1.233	-0.144	1.851	-1.238	0.821
28	A	1.331	2.018	1.804	-1.164	1.522	1.233	-0.025	2.018	-1.164	0.960
29	T	1.198	2.593	1.926	-0.979	1.795	1.228	0.066	2.593	-0.979	1.118
30	E	1.698	2.461	1.954	-0.525	1.841	1.698	-0.163	2.461	-0.525	1.280
31	S	2.773	1.886	2.365	-0.245	2.196	2.293	-0.624	2.773	-0.624	1.520
32	K	2.773	1.605	2.608	0.087	2.470	2.312	0.606	2.773	0.087	1.780
33	D	2.577	0.864	2.412	-0.060	2.315	2.292	-0.445	2.577	-0.445	1.422
34	E	2.577	0.684	2.412	-0.232	2.315	2.292	-0.445	2.577	-0.445	1.372
35	P	2.298	0.684	2.421	-0.430	2.333	2.891	-0.338	2.891	-0.430	1.409
36	A	2.071	0.151	2.216	-0.191	1.968	2.316	-0.183	2.316	-0.191	1.193
37	E	1.932	0.726	2.272	0.094	2.014	2.426	-0.200	2.426	-0.200	1.323
38	H	0.857	0.778	1.879	0.543	1.604	1.831	0.077	1.879	0.077	1.081
39	P	1.217	1.046	1.963	0.353	1.695	2.412	-0.169	2.412	-0.169	1.217
40	E	1.445	1.501	1.954	-0.204	1.649	2.412	0.842	2.412	-0.204	1.371
41	F	1.084	1.740	1.870	-0.701	1.558	1.831	1.088	1.870	-0.701	1.210
42	E	1.217	2.727	2.141	-1.170	1.859	1.836	0.820	2.727	-1.170	1.347
43	G	1.350	2.152	2.328	-1.307	2.060	2.441	0.599	2.441	-1.307	1.375
44	P	1.122	2.339	2.431	-1.491	2.169	2.467	0.624	2.467	-1.491	1.380
45	R	1.837	2.794	2.496	-1.899	2.214	2.462	-0.637	2.794	-1.899	1.324
46	R	1.609	2.555	2.599	-2.320	2.324	2.488	-0.612	2.599	-2.320	1.235
47	R	1.514	2.555	3.038	-2.591	2.843	3.112	-0.613	3.112	-2.591	1.408
48	A	1.875	1.742	3.122	-2.759	2.934	3.693	-0.859	3.693	-2.759	1.393
49	R	1.875	2.317	3.122	-2.750	2.934	3.693	-0.859	3.693	-2.750	1.476
50	R	1.742	2.317	2.692	-2.731	2.461	3.068	-1.868	3.068	-2.731	1.097
51	E	1.970	2.317	2.589	-2.685	2.351	3.043	-1.894	3.043	-2.685	1.099
52	R	2.102	1.742	3.019	-2.642	2.825	3.668	-0.884	3.668	-2.642	1.404

53 A	2.102	0.928	3.019	-2.616	2.825	3.668	-0.884	3.668	-2.616	1.292
54 E	1.970	1.419	2.589	-2.616	2.351	3.043	-1.894	3.043	-2.616	0.980
55 R	1.609	0.844	2.262	-2.635	1.987	2.443	-2.877	2.443	-2.877	0.519
56 R	1.723	0.844	2.160	-2.455	1.886	1.861	-2.713	2.160	-2.713	0.472
57 A	1.723	0.031	2.160	-2.207	1.886	1.861	-2.713	2.160	-2.713	0.392
58 A	1.495	0.521	2.262	-1.933	1.996	1.886	-2.688	2.262	-2.688	0.506
59 Q	1.363	0.521	1.832	-1.822	1.522	1.262	-3.697	1.832	-3.697	0.140
60 A	1.426	-0.294	1.599	-1.783	1.203	0.657	-3.655	1.599	-3.655	-0.121
61 R	1.426	0.281	1.599	-1.830	1.203	0.657	-3.655	1.599	-3.655	-0.046
62 A	0.787	-0.042	1.459	-1.818	1.185	0.659	-2.324	1.459	-2.324	-0.013
63 T	0.901	-0.042	1.459	-1.905	1.175	1.216	-2.513	1.459	-2.513	0.042
64 A	1.148	0.281	1.786	-1.983	1.549	1.258	-1.340	1.786	-1.983	0.386
65 I	1.015	1.095	1.356	-2.094	1.075	0.634	-2.349	1.356	-2.349	0.104
66 E	1.148	1.419	1.786	-2.071	1.549	1.258	-1.340	1.786	-2.071	0.536
67 Q	1.084	0.844	2.019	-2.078	1.868	1.863	-1.381	2.019	-2.078	0.603
68 A	1.084	1.185	2.019	-2.134	1.868	1.863	-1.381	2.019	-2.134	0.643
69 R	1.723	1.998	2.160	-2.302	1.886	1.861	-2.713	2.160	-2.713	0.659
70 R	1.590	1.998	2.281	-2.455	2.160	1.856	-2.622	2.281	-2.622	0.687
71 A	1.476	1.185	2.384	-2.554	2.260	2.438	-2.786	2.438	-2.786	0.629
72 A	1.609	1.998	2.814	-2.580	2.734	3.063	-1.777	3.063	-2.580	1.123
73 K	1.476	2.625	2.384	-2.625	2.260	2.438	-2.786	2.625	-2.786	0.825
74 R	1.476	2.285	2.384	-2.701	2.260	2.438	-2.786	2.438	-2.786	0.765
75 R	1.704	1.147	2.374	-2.671	2.214	2.438	-1.776	2.438	-2.671	0.776
76 A	1.951	0.237	2.702	-2.456	2.588	2.481	-0.602	2.702	-2.456	0.986
77 R	1.084	1.093	2.113	-2.234	1.932	1.888	-0.346	2.113	-2.234	0.790
78 G	0.585	0.854	1.561	-2.025	1.449	1.265	0.244	1.561	-2.025	0.562
79 Q	0.730	0.718	1.281	-1.747	1.130	0.660	0.405	1.281	-1.747	0.454
80 I	1.091	0.836	1.608	-1.569	1.494	1.260	1.388	1.608	-1.569	0.873
81 V	1.205	1.519	1.505	-1.172	1.394	0.678	1.553	1.553	-1.172	0.955
82 S	1.287	1.615	1.814	-0.449	1.750	0.718	1.439	1.814	-0.449	1.168
83 E	1.040	1.591	1.730	0.309	1.649	0.695	1.496	1.730	0.309	1.216
84 Q	1.679	1.375	1.870	1.024	1.668	0.693	0.164	1.870	0.164	1.210
85 N	2.273	0.884	2.440	1.202	2.315	1.286	-0.360	2.440	-0.360	1.434
86 P	1.995	0.275	2.533	0.738	2.433	1.285	-0.299	2.533	-0.299	1.280
87 A	1.634	0.730	2.206	-0.081	2.069	0.685	-1.283	2.206	-1.283	0.852
88 K	1.388	1.357	1.879	-0.779	1.695	0.643	-2.457	1.879	-2.457	0.532
89 P	1.211	0.429	2.010	-1.381	1.859	1.227	-2.344	2.010	-2.344	0.430
90 A	1.438	-0.026	1.758	-1.636	1.540	1.208	-2.564	1.758	-2.564	0.245
91 A	1.072	0.788	1.636	-1.919	1.531	1.210	-0.965	1.636	-1.919	0.479
92 R	0.477	1.415	1.066	-2.086	0.884	0.617	-0.442	1.415	-2.086	0.276
93 G	0.610	0.397	1.253	-2.274	1.084	1.222	-0.662	1.253	-2.274	0.233
94 V	0.838	0.602	1.244	-2.252	1.039	1.222	0.348	1.244	-2.252	0.434
95 V	0.123	0.698	1.160	-2.308	1.048	1.228	1.793	1.793	-2.308	0.534
96 R	0.218	0.590	1.178	-2.334	1.212	1.198	1.859	1.859	-2.334	0.560
97 G	-0.009	-0.428	1.188	-2.390	1.257	1.198	0.849	1.257	-2.390	0.238
98 L	-0.357	-1.055	1.225	-2.424	1.276	1.202	0.695	1.276	-2.424	0.080
99 K	-0.705	-0.360	1.262	-2.479	1.294	1.205	0.541	1.294	-2.479	0.108
100A	-0.838	-1.288	0.832	-2.485	0.820	0.581	-0.468	0.832	-2.485	-0.406
101L	-0.869	-1.384	1.038	-2.357	1.020	0.601	-0.428	1.038	-2.357	-0.340
102L	-0.521	-1.384	1.001	-2.137	1.002	0.597	-0.274	1.002	-2.137	-0.245
103A	-1.116	-1.180	0.431	-1.843	0.355	0.004	0.250	0.431	-1.843	-0.443
104T	-1.830	-1.276	0.346	-1.727	0.364	0.009	1.695	1.695	-1.830	-0.346
105V	-1.116	-1.863	0.431	-1.789	0.355	0.004	0.250	0.431	-1.863	-0.533
106V	-0.768	-1.140	0.393	-2.021	0.337	-0.000	0.403	0.403	-2.021	-0.399
107L	-1.135	-1.368	0.272	-2.196	0.328	0.001	2.002	2.002	-2.196	-0.299
108A	-1.103	-0.536	0.066	-2.282	0.127	-0.018	1.962	1.962	-2.282	-0.255
109V	-1.375	-0.741	0.047	-2.293	0.118	-0.018	1.695	1.695	-2.293	-0.367
110V	-0.781	-0.017	0.160	-2.286	0.082	-0.020	1.106	1.106	-2.286	-0.251
111G	-0.781	-0.126	0.160	-2.367	0.082	-0.020	1.106	1.106	-2.367	-0.278

112I	-0.553	-0.753	0.150	-2.380	0.036	-0.020	2.117	2.117	-2.380	-0.200
113G	-0.901	-0.633	0.188	-2.379	0.054	-0.016	1.963	1.963	-2.379	-0.246
114L	-0.534	-1.666	0.309	-2.284	0.063	-0.018	0.364	0.364	-2.284	-0.538
115G	-1.476	-1.636	0.234	-2.289	0.118	-0.012	0.799	0.799	-2.289	-0.609
116L	-1.090	-1.773	0.627	-2.197	0.373	0.005	0.809	0.809	-2.197	-0.464
117A	-2.033	-1.210	0.571	-2.075	0.373	0.010	1.060	1.060	-2.075	-0.472
118L	-1.122	-1.210	0.851	-1.680	0.519	0.024	0.666	0.851	-1.680	-0.279
119Y	-1.350	-1.119	1.103	-1.094	0.838	0.043	0.886	1.103	-1.350	-0.099
120F	-0.635	0.143	1.188	-0.565	0.829	0.038	-0.560	1.188	-0.635	0.063
121T	-1.034	0.317	1.178	-0.426	0.875	0.055	0.395	1.178	-1.034	0.194
122P	-0.041	0.640	1.412	-0.479	1.020	0.070	0.120	1.412	-0.479	0.392
123A	0.212	0.856	1.160	-0.824	0.784	0.050	-1.222	1.160	-1.222	0.145
124M	1.059	0.532	1.655	-1.060	1.303	0.671	-1.474	1.655	-1.474	0.384
125S	1.224	0.550	1.786	-1.264	1.513	1.250	-1.541	1.786	-1.541	0.502
126A	0.585	-0.631	1.403	-1.645	1.221	1.233	-1.439	1.403	-1.645	0.104
127R	0.218	-0.955	1.281	-2.130	1.212	1.235	0.160	1.281	-2.130	0.146
128E	-0.022	-1.142	1.150	-2.587	1.148	1.219	0.536	1.219	-2.587	0.043
129I	-0.939	-2.041	0.860	-3.034	0.975	1.201	0.698	1.201	-3.034	-0.326
130V	-0.711	-1.089	0.851	-3.128	0.929	1.201	1.709	1.709	-3.128	-0.034
131I	-1.482	-0.993	0.281	-3.172	0.437	0.578	2.031	2.031	-3.172	-0.331
132I	-1.615	-0.765	-0.055	-3.071	0.027	-0.021	2.058	2.058	-3.071	-0.492
133G	-0.977	0.415	0.085	-2.866	0.045	-0.023	0.726	0.726	-2.866	-0.371
134I	-0.977	0.602	0.085	-2.636	0.045	-0.023	0.726	0.726	-2.636	-0.311
135G	-0.060	1.501	0.375	-2.152	0.218	-0.005	0.564	1.501	-2.152	0.063
136A	0.711	1.449	0.945	-1.704	0.711	0.618	0.242	1.449	-1.704	0.425
137V	0.844	1.353	1.281	-1.320	1.121	1.218	0.215	1.353	-1.320	0.673
138S	1.843	1.245	1.748	-1.207	1.504	1.815	-0.133	1.843	-1.207	0.974
139R	1.249	0.928	1.636	-1.463	1.540	1.817	0.456	1.817	-1.463	0.880
140E	0.534	0.115	1.552	-1.921	1.549	1.822	1.901	1.901	-1.921	0.793
141E	1.401	-0.460	1.945	-1.899	1.877	2.310	1.303	2.310	-1.899	0.925
142V	1.122	-0.222	1.795	-1.759	1.722	2.290	0.133	2.290	-1.759	0.726
143L	0.990	-0.222	1.365	-1.201	1.248	1.665	-0.876	1.665	-1.201	0.424
144D	0.762	0.796	1.468	-1.008	1.358	1.690	-0.851	1.690	-1.008	0.602
145A	0.035	0.616	1.019	-1.185	0.984	1.092	-0.236	1.092	-1.185	0.332
146A	0.534	0.616	1.571	-1.754	1.467	1.715	-0.825	1.715	-1.754	0.475
147R	1.249	1.107	1.898	-1.998	1.731	1.729	-1.040	1.898	-1.998	0.668
148V	0.749	0.652	1.627	-2.133	1.412	1.240	-2.042	1.627	-2.133	0.215
149R	0.945	0.544	1.823	-1.669	1.567	1.260	-0.991	1.823	-1.669	0.497
150P	0.945	-0.474	2.066	-1.140	1.841	1.279	0.239	2.066	-1.140	0.679
151A	0.098	-0.342	1.552	-0.729	1.376	0.659	0.675	1.552	-0.729	0.470
152T	-0.250	-0.667	1.589	-0.651	1.394	0.663	0.521	1.589	-0.667	0.372
153P	-0.136	-0.619	1.487	-0.754	1.294	0.081	0.686	1.487	-0.754	0.291
154L	-0.774	-0.486	1.103	-1.265	1.002	0.064	0.787	1.103	-1.265	0.062
155L	-0.275	0.209	1.375	-1.334	1.321	0.553	1.788	1.788	-1.334	0.520
156Q	-0.275	0.904	1.375	-1.203	1.321	0.553	1.788	1.788	-1.203	0.638
157I	-0.028	0.317	1.459	-0.673	1.422	0.576	1.732	1.732	-0.673	0.686
158D	0.933	0.642	1.870	-0.099	1.786	0.613	1.460	1.870	-0.099	1.029
159T	1.280	0.642	1.832	0.146	1.768	0.609	1.614	1.832	0.146	1.127
160Q	1.034	0.964	1.505	-0.180	1.394	0.567	0.440	1.505	-0.180	0.818
161Q	2.172	0.377	1.917	-0.369	1.731	1.054	0.110	2.172	-0.369	0.999
162V	1.805	-0.114	2.075	-0.761	1.886	1.190	0.118	2.075	-0.761	0.886
163A	1.242	0.473	1.758	-0.777	1.722	1.171	0.666	1.758	-0.777	0.894
164D	0.996	0.149	1.431	-0.911	1.349	1.129	-0.507	1.431	-0.911	0.519
165R	0.945	0.423	1.300	-1.101	1.130	1.107	-0.630	1.300	-1.101	0.453
166V	0.673	0.423	1.281	-1.491	1.121	1.107	-0.897	1.281	-1.491	0.317
167A	0.806	0.423	1.711	-1.724	1.595	1.731	0.112	1.731	-1.724	0.665
168T	0.440	0.423	1.870	-2.130	1.750	1.867	0.120	1.870	-2.130	0.620
169I	-0.060	0.788	1.318	-2.341	1.267	1.244	0.710	1.318	-2.341	0.418
170R	0.307	1.113	1.440	-2.596	1.276	1.242	-0.889	1.440	-2.596	0.270

171R	0.585	1.113	1.589	-2.351	1.431	1.263	0.281	1.589	-2.351	0.559
172V	0.389	0.203	1.393	-1.963	1.276	1.243	-0.770	1.393	-1.963	0.253
173A	1.160	0.790	1.963	-1.367	1.768	1.865	-1.092	1.963	-1.367	0.727
174S	0.661	1.603	1.412	-1.163	1.285	1.242	-0.503	1.603	-1.163	0.648
175A	0.775	1.239	1.309	-1.235	1.185	0.660	-0.339	1.309	-1.235	0.513
176R	1.274	0.832	1.860	-1.596	1.668	1.283	-0.928	1.860	-1.596	0.628
177V	1.521	0.377	2.188	-1.649	2.041	1.326	0.245	2.188	-1.649	0.864
178Q	0.990	1.329	2.290	-1.646	2.123	1.325	0.417	2.290	-1.646	0.976
179R	0.990	0.838	2.533	-1.247	2.397	1.344	1.647	2.533	-1.247	1.215
180Q	1.135	-0.180	2.253	-0.705	2.078	0.739	1.808	2.253	-0.705	1.018
181Y	1.502	0.143	2.374	-0.193	2.087	0.738	0.209	2.374	-0.193	0.980
182P	0.541	0.225	1.963	0.034	1.722	0.701	0.481	1.963	0.034	0.810
183S	0.541	0.357	1.963	-0.182	1.722	0.701	0.481	1.963	-0.182	0.798
184A	-0.344	-0.823	1.496	-1.000	1.330	0.660	0.639	1.496	-1.000	0.280
185L	0.104	-0.919	1.440	-1.763	1.248	0.661	0.348	1.440	-1.763	0.160
186R	-0.534	-0.140	1.057	-2.347	0.957	0.644	0.450	1.057	-2.347	0.012
187I	-1.179	-0.140	0.786	-2.499	0.793	0.625	0.879	0.879	-2.499	-0.105
188T	-0.819	0.089	1.113	-2.428	1.157	1.225	1.862	1.862	-2.428	0.314
189I	0.029	-0.044	1.627	-2.406	1.622	1.844	1.427	1.844	-2.406	0.585
190V	-0.471	0.185	1.075	-2.494	1.139	1.221	2.016	2.016	-2.494	0.382
191E	0.168	0.185	1.459	-2.320	1.431	1.238	1.914	1.914	-2.320	0.582
192R	-0.395	-0.486	1.141	-2.151	1.267	1.220	2.462	2.462	-2.151	0.437
193V	-0.123	-0.468	1.160	-1.731	1.276	1.219	2.730	2.730	-1.731	0.580
194P	-0.123	0.167	1.160	-1.544	1.276	1.219	2.730	2.730	-1.544	0.698
195V	-0.256	-0.366	1.281	-1.623	1.549	1.214	2.821	2.821	-1.623	0.660
196V	0.111	0.586	1.122	-1.602	1.394	1.079	2.813	2.813	-1.602	0.786
197V	-0.237	1.221	1.178	-1.372	1.358	1.081	2.475	2.475	-1.372	0.815
198K	0.041	1.944	1.085	-0.660	1.239	1.082	2.415	2.415	-0.660	1.021
199D	0.907	1.471	1.477	0.372	1.567	1.570	1.817	1.817	0.372	1.312
200F	1.502	1.022	1.589	1.143	1.531	1.568	1.229	1.589	1.022	1.369
201S	1.868	0.992	1.954	1.488	1.813	1.586	0.860	1.954	0.860	1.509
202D	1.641	-0.038	1.664	1.664	1.349	1.611	1.062	1.664	-0.038	1.279
203G	0.427	-0.038	1.309	1.386	1.039	1.127	1.506	1.506	-0.038	0.965
204P	0.427	0.149	1.309	1.306	1.039	1.127	1.506	1.506	0.149	0.980
205H	0.648	0.329	1.431	1.177	1.203	1.596	1.338	1.596	0.329	1.103
206L	0.281	0.866	1.589	0.800	1.358	1.732	1.346	1.732	0.281	1.139
207F	0.553	0.974	1.870	0.715	1.722	2.221	1.336	2.221	0.553	1.342
208D	0.781	1.688	1.617	0.513	1.403	2.202	1.117	2.202	0.513	1.332
209R	0.414	0.974	1.337	0.244	1.221	1.584	1.438	1.584	0.244	1.030
210D	1.628	0.161	1.692	0.196	1.531	2.067	0.994	2.067	0.161	1.181
211G	1.628	0.113	1.692	0.096	1.531	2.067	0.994	2.067	0.096	1.160
212V	1.129	0.025	1.421	-0.031	1.212	1.578	-0.007	1.578	-0.031	0.761
213D	1.192	0.479	1.188	0.110	0.893	0.973	0.035	1.192	0.035	0.696
214F	1.192	0.299	1.188	0.128	0.893	0.973	0.035	1.192	0.035	0.673
215A	0.964	0.832	1.440	0.298	1.212	0.992	0.254	1.440	0.254	0.856
216T	1.331	1.191	1.804	0.702	1.494	1.010	-0.114	1.804	-0.114	1.060
217D	0.832	0.700	1.776	1.033	1.449	0.540	0.114	1.776	0.114	0.921
218P	1.546	-0.044	2.085	1.303	1.768	0.555	0.083	2.085	-0.044	1.042
219P	1.546	-0.044	2.085	1.157	1.768	0.555	0.083	2.085	-0.044	1.021
220P	0.636	-0.809	1.804	0.634	1.622	0.540	0.477	1.804	-0.809	0.701
221P	0.136	-1.342	1.776	-0.022	1.576	0.070	0.706	1.776	-1.342	0.414
222A	-0.117	-1.162	1.786	-0.572	1.540	0.071	0.819	1.786	-1.162	0.338
223L	-0.831	-1.258	1.477	-0.783	1.221	0.056	0.850	1.477	-1.258	0.104
224P	-0.332	-0.514	1.505	-0.503	1.267	0.526	0.621	1.505	-0.514	0.367
225Y	-0.698	-0.264	1.141	-0.153	0.984	0.508	0.990	1.141	-0.698	0.358
226F	-0.199	0.501	1.412	0.413	1.303	0.997	1.991	1.991	-0.199	0.917
227D	0.825	1.303	1.795	1.062	1.604	1.032	1.443	1.795	0.825	1.295
228V	0.825	1.123	1.795	1.659	1.604	1.032	1.443	1.795	0.825	1.354
229D	1.306	2.074	1.533	2.148	1.321	1.013	1.111	2.148	1.013	1.501

230N	2.020	2.074	1.842	2.270	1.640	1.028	1.080	2.270	1.028	1.708
231P	1.799	1.824	1.720	1.838	1.476	0.559	1.249	1.838	0.559	1.495
232G	2.665	1.956	2.113	1.542	1.804	1.046	0.651	2.665	0.651	1.683
233P	2.166	1.820	2.085	1.444	1.759	0.576	0.880	2.166	0.576	1.533
234S	2.052	2.293	1.982	1.594	1.604	0.556	1.034	2.293	0.556	1.588
235D	2.248	1.437	1.935	1.693	1.485	0.557	0.854	2.248	0.557	1.458
236P	2.248	0.898	2.393	1.287	2.169	1.151	0.919	2.393	0.898	1.581
237T	2.248	0.335	2.150	0.450	1.895	1.132	-0.311	2.248	-0.311	1.129
238T	1.970	0.335	2.001	-0.517	1.741	1.112	-1.481	2.001	-1.481	0.737
239K	0.756	-0.252	1.646	-1.373	1.431	0.629	-1.037	1.646	-1.373	0.257
240A	1.002	-1.288	1.730	-1.822	1.531	0.652	-1.094	1.730	-1.822	0.102
241A	0.440	-0.797	1.412	-1.972	1.367	0.634	-0.546	1.412	-1.972	0.077
242L	-0.471	-0.797	1.132	-1.932	1.221	0.619	-0.151	1.221	-1.932	-0.054
243Q	-0.503	-0.797	0.879	-1.721	0.738	0.045	-0.176	0.879	-1.721	-0.219
244V	-0.503	-1.198	0.879	-1.631	0.738	0.045	-0.176	0.879	-1.631	-0.264
245L	-1.217	-0.743	0.795	-1.608	0.747	0.050	1.269	1.269	-1.608	-0.101
246T	-0.503	0.037	1.038	-1.231	0.911	0.664	1.102	1.102	-1.231	0.288
247A	-0.749	-0.550	0.954	-0.740	0.811	0.641	1.158	1.158	-0.749	0.218
248L	-0.022	-0.550	1.403	-0.067	1.185	1.239	0.543	1.403	-0.550	0.533
249H	0.326	0.509	1.365	0.330	1.166	1.235	0.697	1.365	0.326	0.804
250P	0.130	0.910	1.169	0.068	1.011	1.215	-0.354	1.215	-0.354	0.593
251E	0.408	0.455	1.318	-0.424	1.166	1.235	0.816	1.318	-0.424	0.711
252V	1.369	0.507	1.730	-0.746	1.531	1.272	0.545	1.730	-0.746	0.887
253A	1.002	1.417	1.449	-0.795	1.349	0.654	0.866	1.449	-0.795	0.849
254S	1.230	1.093	1.197	-0.583	1.030	0.635	0.646	1.230	-0.583	0.750
255Q	1.002	0.237	1.300	-0.668	1.139	0.660	0.672	1.300	-0.668	0.620
256V	0.730	-0.254	1.281	-1.251	1.130	0.660	0.405	1.281	-1.251	0.386
257G	0.730	0.201	1.281	-1.908	1.130	0.660	0.405	1.281	-1.908	0.357
258R	0.452	0.429	1.132	-2.492	0.975	0.640	-0.765	1.132	-2.492	0.053
259I	0.206	-0.480	1.047	-2.500	0.875	0.617	-0.709	1.047	-2.500	-0.135
260A	0.850	-0.156	1.318	-1.930	1.039	0.635	-1.138	1.318	-1.930	0.089
261A	0.256	0.700	1.206	-1.163	1.075	0.637	-0.549	1.206	-1.163	0.309
262P	0.123	0.375	0.776	-0.484	0.601	0.012	-1.558	0.776	-1.558	-0.022
263S	1.040	0.507	1.066	-0.082	0.774	0.031	-1.720	1.066	-1.720	0.231
264V	0.402	-0.552	0.926	-0.301	0.756	0.032	-0.388	0.926	-0.552	0.125
265A	0.598	0.035	1.122	-0.489	0.911	0.052	0.662	1.122	-0.489	0.413
266S	-0.117	-0.170	0.795	-0.833	0.647	0.039	0.877	0.877	-0.833	0.177
267I	-0.199	-1.025	0.842	-0.993	0.647	0.039	0.758	0.842	-1.025	0.010
268T	-0.547	-0.162	0.879	-1.189	0.665	0.042	0.605	0.879	-1.189	0.042
269L	-0.547	-0.026	0.879	-1.277	0.665	0.042	0.605	0.879	-1.277	0.049
270T	-0.325	0.992	1.001	-1.288	0.829	0.511	0.436	1.001	-1.288	0.308
271L	0.541	0.405	1.132	-1.015	0.802	0.509	0.114	1.132	-1.015	0.355
272A	0.477	0.513	1.365	-0.833	1.121	1.114	0.073	1.365	-0.833	0.547
273D	0.825	0.189	1.328	-0.749	1.103	1.110	0.227	1.328	-0.749	0.576
274G	0.263	-0.853	1.010	-1.091	0.938	1.092	0.775	1.092	-1.091	0.305
275R	0.338	-0.853	0.954	-1.697	0.911	1.088	0.661	1.088	-1.697	0.200
276V	-0.427	-1.176	0.973	-2.223	0.929	1.114	1.694	1.694	-2.223	0.126
277V	-0.698	-0.589	0.692	-2.634	0.565	0.625	1.703	1.703	-2.634	-0.048
278I	-0.730	0.047	0.898	-2.523	0.765	0.645	1.743	1.743	-2.523	0.121
279W	-0.667	1.185	0.664	-2.086	0.446	0.040	1.785	1.785	-2.086	0.195
280G	0.199	1.724	1.057	-1.226	0.774	0.527	1.187	1.724	-1.226	0.606
281T	0.699	1.672	1.608	-0.485	1.257	1.150	0.598	1.672	-0.485	0.928
282T	1.293	1.756	1.533	0.217	1.185	1.166	0.898	1.756	0.217	1.150
283D	2.418	2.096	1.842	0.249	1.531	1.741	0.850	2.418	0.249	1.532
284R	2.551	1.557	2.178	-0.071	1.941	2.340	0.823	2.551	-0.071	1.617
285C	2.583	1.319	2.431	-0.775	2.424	2.915	0.847	2.915	-0.775	1.678
286E	2.387	2.114	2.234	-1.396	2.269	2.895	-0.203	2.895	-1.396	1.471
287E	2.248	1.335	2.290	-2.038	2.315	3.006	-0.221	3.006	-2.038	1.276
288K	2.343	0.760	2.309	-2.273	2.479	2.976	-0.155	2.976	-2.273	1.205

289A	1.672	-0.072	2.440	-2.503	2.579	2.963	-0.342	2.963	-2.503	0.963
290E	1.312	-0.276	2.113	-2.511	2.214	2.364	-1.326	2.364	-2.511	0.556
291K	0.952	-1.055	1.786	-2.509	1.850	1.764	-2.310	1.850	-2.509	0.068
292L	0.010	-1.396	1.253	-2.475	1.221	1.175	-1.940	1.253	-2.475	-0.308
293A	-0.705	-0.701	1.169	-2.448	1.230	1.180	-0.495	1.230	-2.448	-0.110
294A	-0.869	-0.342	1.038	-2.293	1.020	0.601	-0.428	1.038	-2.293	-0.182
295L	-0.850	0.285	0.917	-2.014	0.756	0.048	-0.329	0.917	-2.014	-0.170
296L	-0.136	1.303	1.244	-1.462	1.020	0.062	-0.544	1.303	-1.462	0.212
297T	0.092	1.998	1.234	-0.899	0.975	0.062	0.466	1.998	-0.899	0.561
298Q	0.225	1.101	1.664	-0.559	1.449	0.687	1.475	1.664	-0.559	0.863
299P	1.135	1.149	1.945	-0.544	1.595	0.701	1.081	1.945	-0.544	1.009
300G	1.597	0.694	2.281	-0.793	1.823	0.715	0.978	2.281	-0.793	1.042
301R	1.900	0.922	2.356	-0.800	1.987	1.184	0.928	2.356	-0.800	1.211
302T	1.287	0.964	1.907	-0.609	1.604	1.143	1.354	1.907	-0.609	1.093
303Y	1.565	0.832	1.814	-0.050	1.485	1.144	1.294	1.814	-0.050	1.155
304D	1.616	1.778	1.973	0.481	1.686	1.164	1.453	1.973	0.481	1.450
305V	1.483	1.034	1.786	1.001	1.485	0.559	1.674	1.786	0.559	1.289
306S	1.786	1.489	1.860	1.411	1.649	1.028	1.624	1.860	1.028	1.550
307S	1.325	1.125	1.524	1.613	1.422	1.014	1.727	1.727	1.014	1.393
308P	0.825	0.173	1.496	1.471	1.376	0.544	1.956	1.956	0.173	1.120
309D	1.388	0.646	1.814	1.112	1.540	0.562	1.408	1.814	0.562	1.210
310L	0.743	0.361	1.543	0.486	1.376	0.544	1.837	1.837	0.361	0.984
311P	0.692	0.820	1.842	-0.182	1.859	1.118	1.742	1.859	-0.182	1.127
312T	0.560	0.716	1.141	-0.656	1.905	1.159	0.512	1.905	-0.656	0.762
313V	-0.073	0.479	0.412	-1.130	1.905	0.731	-0.489	1.905	-1.130	0.262
314K	0.509	0.830	0.038	-1.171	2.214	0.785	-1.934	2.214	-1.934	0.182

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]MTEHNEDPQIERVADDAADEEAVTEPLATESKDEPAEHPEFEGPRRRARRERAERRAAQARATAI EQARRAAKRRARGQIVSEQNPAKPAARGVVRGLKALLATVVLAVVGIGLGLALYFTPAMSAREIVIIG IGAVSREEVLDAARVRPATPLLQIDTQQVADRVATIRRVASARVQRQYPSALRITIVERVPVVVKDFS DGPHLFDRDGVDFATDPPPPALPYFDVDNPGPSDPTTKAALQVLTALHPEVASQVGRIAAPSVASIT LTLADGRVVIWGTTDRCEEKAEKLAALLTQPGRTYDVSSPDLPTVK[314]
Hydrophilicity	[1]MTEHNEDPQIERVADDAADEEAVTEPLATESKDEPAEHPEFEGPRRRARRERAERRAAQARATAI EQARRAAKRRARGQIVSEQNPAKPAARGVVRGLKALLATVVLAVVGIGLGLALYFTPAMSAREIVIIG IGAVSREEVLDAARVRPATPLLQIDTQQVADRVATIRRVASARVQRQYPSALRITIVERVPVVVKDFS DGPHLFDRDGVDFATDPPPPALPYFDVDNPGPSDPTTKAALQVLTALHPEVASQVGRIAAPSVASIT LTLADGRVVIWGTTDRCEEKAEKLAALLTQPGRTYDVSSPDLPTVK[314]
Flexibility	[1]MTEHNEDPQIERVADDAADEEAVTEPLATESKDEPAEHPEFEGPRRRARRERAERRAAQARATAI EQARRAAKRRARGQIVSEQNPAKPAARGVVRGLKALLATVVLAVVGIGLGLALYFTPAMSAREIVIIG IGAVSREEVLDAARVRPATPLLQIDTQQVADRVATIRRVASARVQRQYPSALRITIVERVPVVVKDFS DGPHLFDRDGVDFATDPPPPALPYFDVDNPGPSDPTTKAALQVLTALHPEVASQVGRIAAPSVASIT LTLADGRVVIWGTTDRCEEKAEKLAALLTQPGRTYDVSSPDLPTVK[314]
Accessibility	[1]MTEHNEDPQIERVADDAADEEAVTEPLATESKDEPAEHPEFEGPRRRARRERAERRAAQARATAI EQARRAAKRRARGQIVSEQNPAKPAARGVVRGLKALLATVVLAVVGIGLGLALYFTPAMSAREIVIIG IGAVSREEVLDAARVRPATPLLQIDTQQVADRVATIRRVASARVQRQYPSALRITIVERVPVVVKDFS DGPHLFDRDGVDFATDPPPPALPYFDVDNPGPSDPTTKAALQVLTALHPEVASQVGRIAAPSVASIT LTLADGRVVIWGTTDRCEEKAEKLAALLTQPGRTYDVSSPDLPTVK[314]
Turns	[1]MTEHNEDPQIERVADDAADEEAVTEPLATESKDEPAEHPEFEGPRRRARRERAERRAAQARATAI EQARRAAKRRARGQIVSEQNPAKPAARGVVRGLKALLATVVLAVVGIGLGLALYFTPAMSAREIVIIG IGAVSREEVLDAARVRPATPLLQIDTQQVADRVATIRRVASARVQRQYPSALRITIVERVPVVVKDFS DGPHLFDRDGVDFATDPPPPALPYFDVDNPGPSDPTTKAALQVLTALHPEVASQVGRIAAPSVASIT LTLADGRVVIWGTTDRCEEKAEKLAALLTQPGRTYDVSSPDLPTVK[314]
Exposed Surface	[1]MTEHNEDPQIERVADDAADEEAVTEPLATESKDEPAEHPEFEGPRRRARRERAERRAAQARATAI EQARRAAKRRARGQIVSEQNPAKPAARGVVRGLKALLATVVLAVVGIGLGLALYFTPAMSAREIVIIG IGAVSREEVLDAARVRPATPLLQIDTQQVADRVATIRRVASARVQRQYPSALRITIVERVPVVVKDFS DGPHLFDRDGVDFATDPPPPALPYFDVDNPGPSDPTTKAALQVLTALHPEVASQVGRIAAPSVASIT LTLADGRVVIWGTTDRCEEKAEKLAALLTQPGRTYDVSSPDLPTVK[314]
Polarity	[1]MTEHNEDPQIERVADDAADEEAVTEPLATESKDEPAEHPEFEGPRRRARRERAERRAAQARATAI EQARRAAKRRARGQIVSEQNPAKPAARGVVRGLKALLATVVLAVVGIGLGLALYFTPAMSAREIVIIG IGAVSREEVLDAARVRPATPLLQIDTQQVADRVATIRRVASARVQRQYPSALRITIVERVPVVVKDFS DGPHLFDRDGVDFATDPPPPALPYFDVDNPGPSDPTTKAALQVLTALHPEVASQVGRIAAPSVASIT LTLADGRVVIWGTTDRCEEKAEKLAALLTQPGRTYDVSSPDLPTVK[314]
Antigenic Propensity	[1]MTEHNEDPQIERVADDAADEEAVTEPLATESKDEPAEHPEFEGPRRRARRERAERRAAQARATAI EQARRAAKRRARGQIVSEQNPAKPAARGVVRGLKALLATVVLAVVGIGLGLALYFTPAMSAREIVIIG IGAVSREEVLDAARVRPATPLLQIDTQQVADRVATIRRVASARVQRQYPSALRITIVERVPVVVKDFS DGPHLFDRDGVDFATDPPPPALPYFDVDNPGPSDPTTKAALQVLTALHPEVASQVGRIAAPSVASIT LTLADGRVVIWGTTDRCEEKAEKLAALLTQPGRTYDVSSPDLPTVK[314]

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