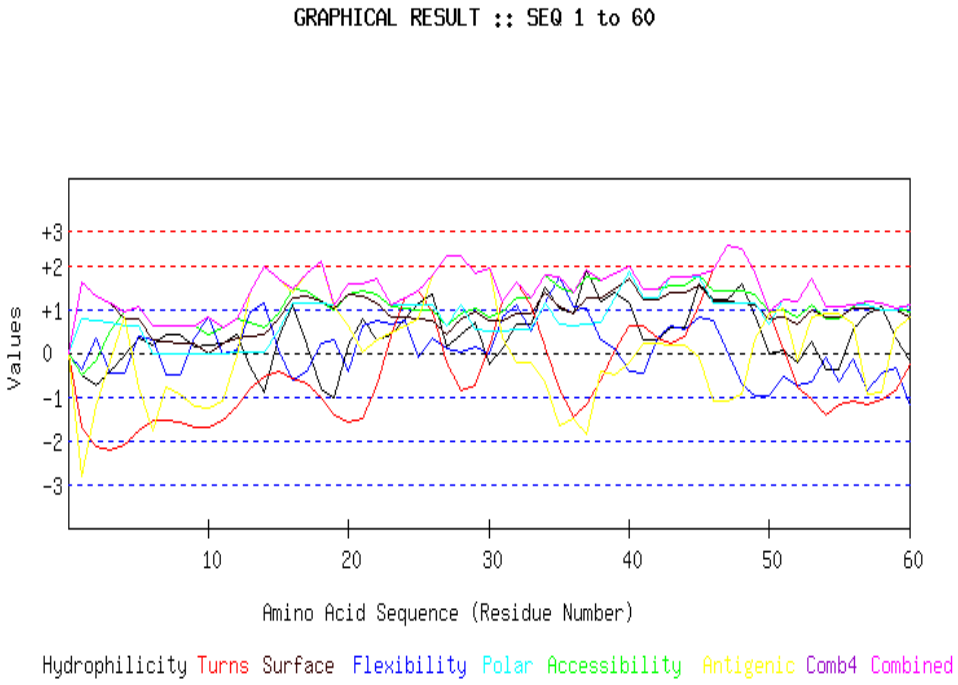
BcePred Prediction Server

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

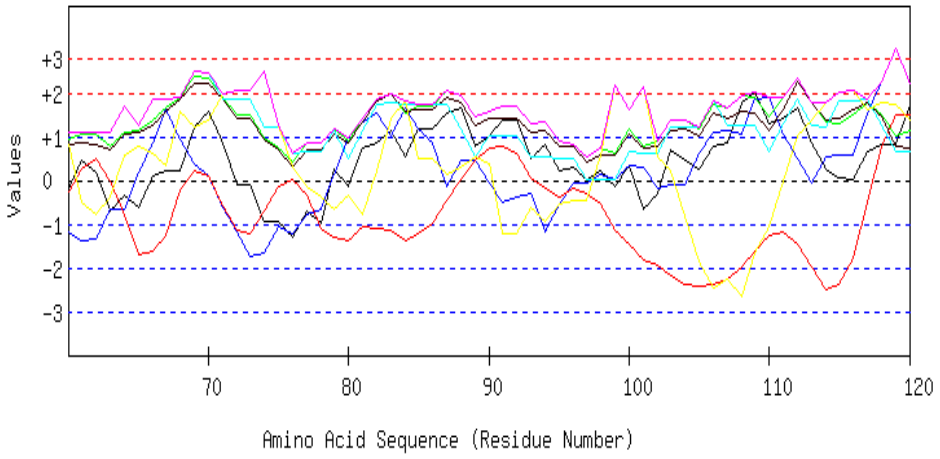
seqname=
Seq=VRALVTGAAGFIGSTLVDRLLADGHSVVGLDNFATGRATNLEHLADNSAHVFVEADIVTADLHAILEQHRPEV
VFHLAAQIDVRRSVADPQFDAAVNVIGTVRLAEAARQTGVRKIVHTSSGGSIYGTPPEYPTPETAPTDPASPYAAG
KVAGEIYLNTFRHLYGLDCSHIAPANVYGPRQDPHGEAGVVAIFAQALLSGKPTRVFGDGTNTRDYVFVDDVVDA
FVRVSADVGGGLRFNIGTGKETSDRQLHSAVAAAVGGPDDPEFHPPRLGDLKRSCLDIGLAERVLGWRPQIELA
DGVRRTVEYFRHKHTD

Length=314

GRAPHICAL RESULT

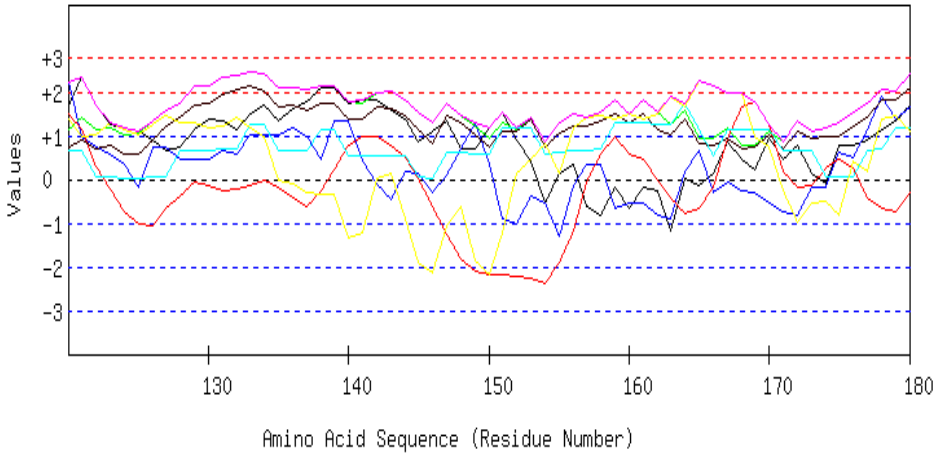


GRAPHICAL RESULT :: SEQ 61 to 120



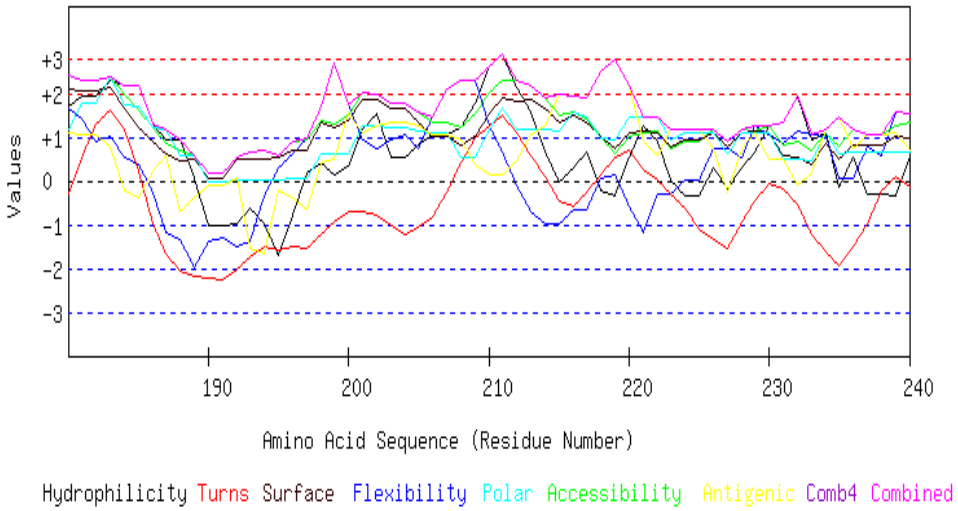
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 121 to 180

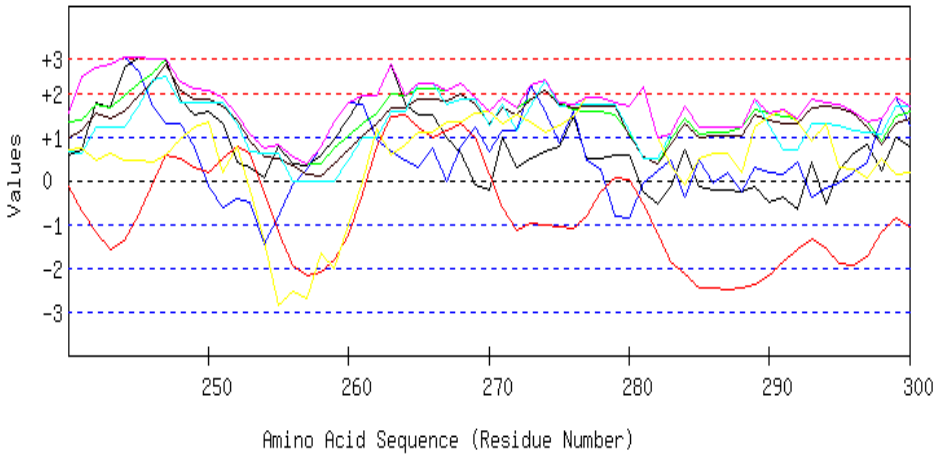


Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 181 to 240

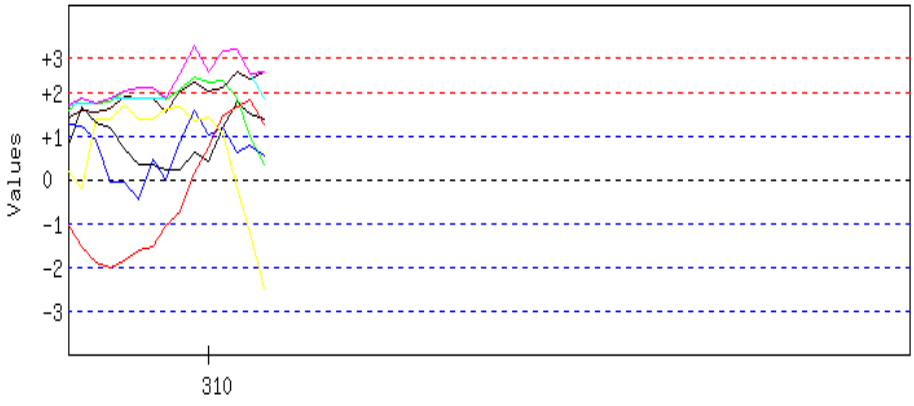


GRAPHICAL RESULT :: SEQ 241 to 300



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

**VRALVTGAAGFIGSTLVDRLLADGHSVVGLDNFATGRATNLEHLADNSAHVFVEADIVTA
DLHAILEQHRPEVVFHLAAQIDVRRSVADPQFDAAVNVIGTVRLAEAARQTGVRKIVHTS
SGGSIYGTPPEYPTPETAPTDPASPYAAGKVAGEIYLNTFRHLYGLDCSHIAPANVYGPR
QDPHGEAGVVAIFAQALLSGKPTRVFGDGTNTRDYVFVDDVVDAFVRVSADVGGGLRFNI
GTGKETSDRQLHSAVAAAVGGPDDPEFHPPRLGDLKRSCLDIGLAERVLGWRPQIELADG
VRRTVEYFRHKHTD**

Length=314

A.A.	Parameter							Combined		
	Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	MIN	AVG
1 V	-0.496	-0.366	-0.504	-1.692	1.631	0.782	-2.836	1.631	-2.836	-0.497
2 R	-0.730	0.357	-0.168	-2.128	1.303	0.723	-1.237	1.303	-2.128	-0.268
3 A	-0.401	-0.456	0.487	-2.228	1.139	0.683	-0.186	1.139	-2.228	-0.138
4 L	-0.041	-0.456	0.935	-2.084	0.774	0.623	0.824	0.935	-2.084	0.082
5 V	0.326	0.375	1.057	-1.766	0.784	0.621	-0.775	1.057	-1.766	0.089
6 T	0.193	0.297	0.627	-1.549	0.310	-0.003	-1.784	0.627	-1.784	-0.273
7 G	0.421	-0.518	0.618	-1.542	0.264	-0.003	-0.773	0.618	-1.542	-0.219
8 A	0.421	-0.518	0.636	-1.584	0.209	-0.004	-0.957	0.636	-1.584	-0.257
9 A	0.149	0.337	0.618	-1.684	0.200	-0.004	-1.224	0.618	-1.684	-0.230
10 G	0.180	0.828	0.412	-1.718	-0.000	-0.024	-1.265	0.828	-1.718	-0.227
11 F	0.231	-0.003	0.571	-1.537	0.200	-0.004	-1.105	0.571	-1.537	-0.235
12 I	0.427	0.075	0.767	-1.213	0.355	0.016	-0.054	0.767	-1.213	0.053
13 G	-0.288	0.938	0.683	-0.814	0.364	0.021	1.391	1.391	-0.814	0.328
14 S	-0.882	1.125	0.571	-0.528	0.401	0.023	1.979	1.979	-0.882	0.384
15 T	0.332	0.065	0.907	-0.413	0.765	0.508	1.719	1.719	-0.413	0.555
16 L	1.103	-0.631	1.477	-0.564	1.257	1.130	1.397	1.477	-0.631	0.739
17 V	0.161	-0.426	1.403	-0.704	1.312	1.136	1.831	1.831	-0.704	0.673
18 D	-0.831	0.209	1.169	-1.030	1.166	1.121	2.106	2.106	-1.030	0.559
19 R	-1.027	0.297	0.973	-1.406	1.011	1.101	1.056	1.101	-1.406	0.286
20 L	0.187	-0.426	1.328	-1.589	1.321	1.585	0.612	1.585	-1.589	0.431
21 L	0.781	0.634	1.440	-1.485	1.285	1.583	0.023	1.583	-1.485	0.609
22 A	0.281	0.742	1.328	-0.740	1.139	1.714	0.299	1.714	-0.740	0.681
23 D	0.427	0.646	1.047	0.374	0.820	1.110	0.460	1.110	0.374	0.698
24 G	0.775	0.734	1.010	1.249	0.802	1.106	0.614	1.249	0.614	0.898
25 H	1.122	-0.098	0.973	1.437	0.784	1.102	0.768	1.437	-0.098	0.870
26 S	1.350	0.351	0.963	0.952	0.738	1.102	1.778	1.778	0.351	1.034
27 V	0.136	0.105	0.608	-0.212	0.428	0.618	2.222	2.222	-0.212	0.558
28 V	0.408	0.027	0.889	-0.845	0.793	1.107	2.213	2.213	-0.845	0.656

29 G	0.718	0.123	1.029	-0.759	0.929	0.528	1.832	1.832	-0.759	0.629
30 L	-0.275	-0.013	0.814	0.125	0.729	0.512	1.924	1.924	-0.275	0.545
31 D	0.092	0.818	0.935	1.181	0.738	0.511	0.325	1.181	0.092	0.657
32 N	0.655	1.093	1.253	1.617	0.902	0.529	-0.223	1.617	-0.223	0.832
33 F	0.655	0.483	1.253	1.111	0.902	0.529	-0.223	1.253	-0.223	0.673
34 A	1.502	1.149	1.767	0.152	1.367	1.148	-0.659	1.767	-0.659	0.918
35 T	1.002	1.758	1.496	-0.835	1.048	0.659	-1.660	1.758	-1.660	0.495
36 G	0.888	1.062	1.393	-1.450	0.893	0.639	-1.506	1.393	-1.506	0.274
37 R	1.913	1.010	1.758	-1.198	1.248	0.675	-1.870	1.913	-1.870	0.505
38 A	1.198	0.287	1.674	-0.629	1.257	0.680	-0.425	1.674	-0.629	0.578
39 T	1.363	0.083	1.804	0.058	1.467	1.260	-0.492	1.804	-0.492	0.792
40 N	1.135	-0.408	1.973	0.640	1.686	1.880	-0.225	1.973	-0.408	0.954
41 L	0.288	-0.478	1.459	0.623	1.221	1.261	0.210	1.459	-0.478	0.655
42 E	0.288	0.335	1.459	0.352	1.221	1.261	0.210	1.459	0.210	0.732
43 H	0.591	0.616	1.533	0.216	1.385	1.730	0.161	1.730	0.161	0.890
44 L	0.591	0.525	1.533	0.370	1.385	1.730	0.161	1.730	0.161	0.899
45 A	1.584	0.820	1.767	1.080	1.531	1.744	-0.114	1.767	-0.114	1.202
46 D	1.224	0.724	1.440	1.891	1.166	1.145	-1.098	1.891	-1.098	0.927
47 N	1.224	0.011	1.440	2.448	1.166	1.145	-1.098	2.448	-1.098	0.905
48 S	1.571	-0.695	1.403	2.360	1.148	1.141	-0.944	2.360	-0.944	0.855
49 A	0.857	-0.975	1.337	1.866	1.103	1.145	0.317	1.866	-0.975	0.807
50 H	-0.009	-0.975	0.945	0.959	0.774	0.658	0.914	0.959	-0.975	0.466
51 V	0.041	-0.526	0.973	0.092	0.829	1.217	1.001	1.217	-0.526	0.518
52 F	-0.237	-0.755	0.823	-0.789	0.674	1.197	-0.169	1.197	-0.789	0.106
53 V	0.263	-0.677	1.094	-1.078	0.993	1.686	0.832	1.686	-1.078	0.445
54 E	-0.376	-0.090	0.795	-1.418	0.802	1.067	0.887	1.067	-1.418	0.238
55 A	-0.376	-0.665	0.795	-1.171	0.802	1.067	0.887	1.067	-1.171	0.191
56 D	0.534	-0.126	1.057	-1.099	1.002	1.083	0.676	1.083	-1.099	0.447
57 I	0.901	-0.869	1.178	-1.160	1.011	1.082	-0.923	1.178	-1.160	0.174
58 V	1.040	-0.454	1.122	-1.063	0.966	0.971	-0.905	1.122	-1.063	0.239
59 T	0.326	-0.358	1.038	-0.863	0.975	0.976	0.540	1.038	-0.863	0.376
60 A	-0.174	-1.174	0.926	-0.260	0.829	1.107	0.816	1.107	-1.174	0.296
61 D	0.465	-1.378	1.066	0.263	0.847	1.106	-0.516	1.106	-1.378	0.265
62 L	0.193	-1.342	1.047	0.486	0.838	1.106	-0.783	1.106	-1.342	0.221
63 H	-0.717	-0.647	0.767	-0.002	0.692	1.091	-0.388	1.091	-0.717	0.114
64 A	-0.357	-0.647	1.094	-0.766	1.057	1.691	0.595	1.691	-0.766	0.381
65 I	-0.610	0.167	1.150	-1.706	1.112	1.244	0.768	1.244	-1.706	0.304
66 L	0.104	0.850	1.393	-1.613	1.276	1.859	0.600	1.859	-1.613	0.638
67 E	0.237	1.629	1.664	-1.241	1.576	1.864	0.332	1.864	-1.241	0.866
68 Q	0.237	0.958	1.907	-0.221	1.850	1.883	1.562	1.907	-0.221	1.168
69 H	1.236	0.371	2.374	0.237	2.233	2.480	1.214	2.480	0.237	1.449
70 R	1.584	0.107	2.337	0.088	2.214	2.476	1.368	2.476	0.088	1.454
71 P	0.857	-0.617	1.889	-0.598	1.841	1.878	1.983	1.983	-0.617	1.033
72 E	-0.104	-1.180	1.496	-1.146	1.422	1.840	2.071	2.071	-1.180	0.628
73 V	-0.104	-1.755	1.496	-1.233	1.422	1.840	2.071	2.071	-1.755	0.534
74 V	-0.951	-1.658	0.982	-0.712	0.957	1.221	2.506	2.506	-1.658	0.335
75 F	-0.951	-1.071	0.739	-0.156	0.683	1.202	1.276	1.276	-1.071	0.246
76 H	-1.312	-1.222	0.412	0.005	0.319	0.602	0.293	0.602	-1.312	-0.129
77 L	-0.698	-0.773	0.860	-0.334	0.701	0.643	-0.133	0.860	-0.773	0.038
78 A	-0.970	-0.665	0.842	-1.082	0.692	0.644	-0.400	0.842	-1.082	-0.134
79 A	0.244	0.149	1.178	-1.287	1.057	1.128	-0.660	1.178	-1.287	0.258
80 Q	-0.123	0.962	0.898	-1.388	0.875	0.510	-0.339	0.962	-1.388	0.199
81 I	0.724	1.327	1.412	-1.046	1.339	1.129	-0.775	1.412	-1.046	0.587
82 D	0.857	1.555	1.842	-1.091	1.813	1.754	0.235	1.842	-1.091	0.995
83 V	1.135	1.016	1.991	-1.123	1.968	1.774	1.405	1.991	-1.123	1.167
84 R	0.522	1.652	1.543	-1.392	1.586	1.733	1.830	1.830	-1.392	1.068
85 R	1.160	1.197	1.683	-1.239	1.604	1.731	0.498	1.731	-1.239	0.948
86 S	1.160	0.874	1.683	-0.986	1.604	1.731	0.498	1.731	-0.986	0.938
87 V	1.527	-0.156	2.047	-0.479	1.886	1.749	0.130	2.047	-0.479	0.958

88 A	1.641	0.479	1.945	0.007	1.786	1.166	0.294	1.945	0.007	1.045
89 D	0.794	0.479	1.449	0.463	1.267	0.546	0.546	1.449	0.463	0.792
90 P	1.015	-0.060	1.571	0.757	1.431	1.015	0.377	1.571	-0.060	0.872
91 Q	1.382	-0.514	1.692	0.794	1.440	1.013	-1.222	1.692	-1.222	0.655
92 F	1.382	-0.396	1.692	0.635	1.440	1.013	-1.222	1.692	-1.222	0.649
93 D	0.515	-0.318	1.300	0.042	1.112	0.526	-0.624	1.300	-0.624	0.365
94 A	0.825	-1.182	1.356	-0.182	1.148	0.548	-0.957	1.356	-1.182	0.222
95 A	0.212	-0.554	0.907	-0.371	0.765	0.507	-0.532	0.907	-0.554	0.133
96 V	0.288	-0.064	0.832	-0.200	0.793	0.504	-0.461	0.832	-0.461	0.242
97 N	0.016	-0.064	0.552	-0.302	0.428	0.015	-0.452	0.552	-0.452	0.028
98 V	0.212	0.141	0.748	-0.556	0.583	0.035	0.599	0.748	-0.556	0.252
99 I	-0.155	0.033	0.627	-1.153	0.574	0.037	2.198	2.198	-1.153	0.309
100G	0.345	0.357	1.178	-1.471	1.057	0.660	1.608	1.608	-1.471	0.533
101T	-0.680	0.305	0.795	-1.816	0.756	0.625	2.156	2.156	-1.816	0.306
102V	-0.313	-0.186	0.917	-1.936	0.765	0.623	0.557	0.917	-1.936	0.061
103R	0.686	-0.090	1.384	-2.176	1.148	1.221	0.209	1.384	-2.176	0.340
104L	0.459	-0.090	1.393	-2.367	1.194	1.221	-0.801	1.393	-2.367	0.144
105A	0.263	0.606	1.197	-2.434	1.039	1.201	-1.852	1.201	-2.434	0.003
106E	0.762	1.097	1.748	-2.389	1.522	1.824	-2.442	1.824	-2.442	0.303
107A	0.876	1.149	1.646	-2.245	1.422	1.242	-2.277	1.646	-2.277	0.259
108A	1.786	1.052	1.926	-1.996	1.567	1.256	-2.672	1.926	-2.672	0.417
109R	2.014	1.866	1.917	-1.634	1.522	1.256	-1.661	2.014	-1.661	0.754
110Q	1.287	1.884	1.468	-1.279	1.148	0.658	-1.046	1.884	-1.279	0.589
111T	1.420	1.068	1.898	-1.196	1.622	1.283	-0.037	1.898	-1.196	0.865
112G	1.647	0.481	2.346	-1.476	2.260	1.878	1.038	2.346	-1.476	1.168
113V	0.876	-0.056	1.776	-2.000	1.768	1.255	1.361	1.776	-2.000	0.711
114R	0.263	0.532	1.328	-2.509	1.385	1.214	1.786	1.786	-2.509	0.571
115K	0.067	0.574	1.290	-2.399	1.403	1.814	2.013	2.013	-2.399	0.680
116I	0.035	0.598	1.496	-1.764	1.604	1.834	2.053	2.053	-1.764	0.836
117V	0.680	1.549	1.767	-0.513	1.768	1.852	1.624	1.852	-0.513	1.247
118H	0.825	2.273	1.487	0.762	1.449	1.248	1.785	2.273	0.762	1.404
119T	0.825	3.038	1.029	1.512	0.765	0.653	1.720	3.038	0.653	1.363
120S	1.691	2.223	1.160	1.513	0.738	0.651	1.399	2.223	0.651	1.339
121S	2.336	0.960	1.431	1.157	0.902	0.670	0.970	2.336	0.670	1.204
122G	1.698	0.732	1.132	0.293	0.711	0.052	1.024	1.698	0.052	0.806
123G	1.249	0.596	1.188	-0.203	0.793	0.051	1.316	1.316	-0.203	0.713
124S	1.198	0.327	1.029	-0.734	0.592	0.031	1.156	1.198	-0.734	0.514
125I	1.116	-0.170	1.075	-1.029	0.592	0.031	1.037	1.116	-1.029	0.379
126Y	0.888	0.730	1.328	-1.042	0.911	0.050	1.257	1.328	-1.042	0.589
127G	0.661	0.730	1.580	-0.661	1.230	0.069	1.476	1.580	-0.661	0.726
128T	0.743	0.461	1.758	-0.373	1.440	0.648	1.290	1.758	-0.373	0.853
129P	1.129	0.461	2.150	-0.049	1.695	0.666	1.301	2.150	-0.049	1.050
130P	1.382	0.461	2.141	-0.131	1.731	0.666	1.188	2.141	-0.131	1.063
131E	1.350	0.678	2.346	-0.275	1.932	0.686	1.229	2.346	-0.275	1.135
132Y	1.154	0.594	2.393	-0.237	2.050	0.685	1.408	2.393	-0.237	1.150
133P	1.514	1.000	2.477	-0.125	2.142	1.265	1.162	2.477	-0.125	1.348
134T	1.710	1.000	2.431	-0.014	2.023	1.266	0.983	2.431	-0.014	1.343
135P	1.350	1.000	2.103	-0.198	1.658	0.667	-0.001	2.103	-0.198	0.940
136E	1.603	1.181	2.094	-0.413	1.695	0.666	-0.113	2.094	-0.413	0.959
137T	1.799	0.964	2.047	-0.601	1.576	0.667	-0.292	2.047	-0.601	0.880
138A	2.102	0.473	2.122	-0.255	1.741	1.136	-0.342	2.122	-0.342	0.997
139P	2.102	1.329	2.122	0.235	1.741	1.136	-0.342	2.122	-0.342	1.189
140T	1.742	1.329	1.795	0.763	1.376	0.537	-1.326	1.795	-1.326	0.888
141D	1.824	0.431	1.748	0.999	1.376	0.537	-1.207	1.824	-1.207	0.815
142P	1.824	-0.108	1.991	0.994	1.649	0.556	0.023	1.991	-0.108	0.990
143A	1.571	-0.466	2.001	0.765	1.613	0.556	0.135	2.001	-0.466	0.882
144S	1.375	0.161	1.804	0.503	1.458	0.536	-0.916	1.804	-0.916	0.703
145P	0.876	0.137	1.533	0.034	1.139	0.047	-1.917	1.533	-1.917	0.264
146Y	1.103	-0.318	1.281	-0.608	0.820	0.028	-2.136	1.281	-2.136	0.024

147A	1.331	0.089	1.730	-1.245	1.458	0.623	-1.061	1.730	-1.245	0.418
148A	0.686	0.716	1.459	-1.819	1.294	0.604	-0.632	1.459	-1.819	0.330
149G	0.686	1.291	1.216	-2.111	1.020	0.585	-1.862	1.291	-2.111	0.118
150K	1.167	0.339	0.954	-2.187	0.738	0.566	-2.194	1.167	-2.194	-0.088
151V	1.527	-0.899	1.281	-2.197	1.103	1.166	-1.210	1.527	-2.197	0.110
152A	0.888	-1.007	1.141	-2.239	1.084	1.167	0.121	1.167	-2.239	0.165
153G	0.408	-0.398	1.403	-2.276	1.367	1.187	0.453	1.403	-2.276	0.306
154E	-0.534	-0.534	0.870	-2.362	0.738	0.598	0.823	0.870	-2.362	-0.057
155I	0.142	-1.284	1.290	-1.912	1.057	0.637	0.121	1.290	-1.912	0.007
156Y	0.338	-0.146	1.487	-1.176	1.212	0.657	1.172	1.487	-1.176	0.506
157L	-0.604	0.351	1.431	-0.064	1.212	0.661	1.423	1.431	-0.604	0.630
158N	-0.831	0.351	1.533	0.572	1.321	0.686	1.449	1.533	-0.831	0.726
159T	-0.193	-0.665	1.832	0.984	1.513	1.304	1.394	1.832	-0.665	0.881
160F	-0.654	-0.528	1.496	0.596	1.285	1.290	1.497	1.497	-0.654	0.712
161R	-0.193	-0.558	1.832	0.444	1.513	1.304	1.394	1.832	-0.558	0.819
162H	-0.275	-0.833	1.524	-0.040	1.157	1.263	1.508	1.524	-0.833	0.615
163L	-1.185	-0.887	1.244	-0.402	1.011	1.249	1.902	1.902	-1.185	0.419
164Y	0.029	0.173	1.580	-0.763	1.376	1.733	1.642	1.733	-0.763	0.824
165G	-0.148	0.670	0.935	-0.672	0.811	1.127	2.265	2.265	-0.672	0.712
166L	0.130	-0.282	0.926	-0.198	0.793	0.527	2.157	2.157	-0.282	0.579
167D	0.844	-0.078	1.169	0.959	0.957	1.141	1.990	1.990	-0.078	0.997
168C	0.459	-0.258	0.776	1.673	0.701	1.124	1.979	1.979	-0.258	0.922
169S	0.231	-0.294	0.786	1.783	0.747	1.124	0.969	1.783	-0.294	0.764
170H	0.945	-0.540	1.113	1.246	1.011	1.137	0.754	1.246	-0.540	0.809
171I	0.446	-0.727	0.842	0.184	0.692	0.648	-0.247	0.842	-0.727	0.263
172A	0.800	-0.809	1.356	-0.192	1.093	0.671	-0.983	1.356	-0.983	0.277
173P	0.155	-0.182	1.085	-0.143	0.929	0.653	-0.554	1.085	-0.554	0.278
174A	-0.098	-0.182	1.178	0.254	0.993	0.052	-0.489	1.178	-0.489	0.244
175N	0.768	0.632	1.309	0.443	0.966	0.050	-0.810	1.309	-0.810	0.480
176V	0.768	0.513	1.552	0.261	1.239	0.069	0.420	1.552	0.069	0.689
177Y	0.901	1.149	1.739	-0.411	1.440	0.675	0.199	1.739	-0.411	0.813
178G	1.148	1.914	2.066	-0.644	1.813	0.717	1.372	2.066	-0.644	1.198
179P	1.337	1.377	2.038	-0.753	1.823	1.166	1.476	2.038	-0.753	1.209
180R	1.704	1.646	2.403	-0.285	2.105	1.183	1.108	2.403	-0.285	1.409
181Q	1.957	1.407	2.309	0.540	2.041	1.784	1.043	2.309	0.540	1.583
182D	1.957	0.916	2.309	1.296	2.041	1.784	1.043	2.309	0.916	1.621
183P	2.317	1.004	2.393	1.602	2.132	2.364	0.797	2.393	0.797	1.802
184H	2.185	0.550	1.963	1.199	1.658	1.740	-0.213	2.185	-0.213	1.297
185G	2.166	0.363	1.627	0.212	1.239	1.697	-0.376	2.166	-0.376	0.990
186E	1.299	-0.264	1.234	-0.967	0.911	1.210	0.222	1.299	-0.967	0.521
187A	0.933	-1.164	0.870	-1.645	0.629	1.192	0.591	1.192	-1.645	0.201
188G	0.933	-1.338	0.711	-2.067	0.455	0.573	-0.687	0.933	-2.067	-0.203
189V	0.067	-1.965	0.580	-2.198	0.483	0.574	-0.365	0.580	-2.198	-0.403
190V	-1.008	-1.378	0.188	-2.219	0.073	-0.021	-0.088	0.188	-2.219	-0.636
191A	-1.008	-1.282	0.188	-2.247	0.073	-0.021	-0.088	0.188	-2.247	-0.627
192I	-0.989	-1.486	0.524	-2.015	0.492	0.021	0.075	0.524	-2.015	-0.483
193F	-0.623	-1.366	0.646	-1.744	0.501	0.020	-1.524	0.646	-1.744	-0.584
194A	-0.970	-0.336	0.683	-1.514	0.519	0.024	-1.677	0.683	-1.677	-0.467
195Q	-1.685	0.291	0.599	-1.589	0.528	0.029	-0.232	0.599	-1.685	-0.294
196A	-0.768	0.632	0.889	-1.520	0.701	0.047	-0.394	0.889	-1.520	-0.059
197L	0.174	0.990	0.945	-1.530	0.701	0.043	-0.645	0.990	-1.530	0.097
198L	0.402	1.686	1.393	-1.236	1.339	0.638	0.430	1.686	-1.236	0.665
199S	0.155	2.703	1.309	-0.943	1.239	0.614	0.487	2.703	-0.943	0.795
200G	0.351	1.752	1.505	-0.715	1.394	0.634	1.538	1.752	-0.715	0.923
201K	1.198	0.950	2.019	-0.719	1.859	1.254	1.102	2.019	-0.719	1.095
202P	1.546	0.746	1.982	-0.778	1.841	1.250	1.256	1.982	-0.778	1.120
203T	0.553	0.926	1.767	-1.009	1.640	1.234	1.347	1.767	-1.009	0.923
204R	0.553	1.062	1.767	-1.221	1.640	1.234	1.347	1.767	-1.221	0.912
205V	0.825	0.740	1.589	-1.056	1.321	1.128	1.273	1.589	-1.056	0.831

206F	1.053	1.445	1.337	-0.804	1.002	1.109	1.053	1.445	-0.804	0.885
207G	1.053	2.110	1.337	-0.277	1.002	1.109	1.053	2.110	-0.277	1.055
208D	1.230	2.297	1.206	0.420	0.838	0.525	0.941	2.297	0.420	1.065
209G	1.793	2.297	1.524	0.975	1.002	0.543	0.393	2.297	0.393	1.218
210T	2.640	1.263	2.019	1.261	1.522	1.164	0.141	2.640	0.141	1.430
211N	2.912	0.676	2.300	1.483	1.886	1.653	0.132	2.912	0.132	1.577
212T	2.159	-0.108	2.281	1.085	1.804	1.183	0.473	2.281	-0.108	1.268
213R	1.565	-0.695	2.169	0.593	1.841	1.185	1.061	2.169	-0.695	1.103
214D	0.655	-0.969	1.907	0.109	1.640	1.169	1.272	1.907	-0.969	0.826
215Y	-0.022	-0.969	1.487	-0.460	1.321	1.130	1.973	1.973	-0.969	0.637
216V	0.281	-0.659	1.561	-0.573	1.485	1.599	1.924	1.924	-0.659	0.803
217F	0.648	-0.659	1.403	-0.258	1.330	1.463	1.916	1.916	-0.659	0.835
218V	-0.218	0.055	1.010	0.140	1.002	0.976	2.513	2.513	-0.218	0.783
219D	-0.332	0.151	0.636	0.550	0.756	0.958	2.770	2.770	-0.332	0.784
220D	0.534	-0.562	1.029	0.707	1.084	1.446	2.172	2.172	-0.562	0.916
221V	1.249	-1.198	1.094	0.278	1.130	1.441	0.911	1.441	-1.198	0.701
222V	0.901	-0.288	1.150	0.038	1.093	1.444	0.573	1.444	-0.288	0.702
223D	0.035	-0.288	0.758	-0.297	0.765	0.957	1.171	1.171	-0.297	0.443
224A	-0.332	0.029	0.917	-0.627	0.920	1.092	1.179	1.179	-0.627	0.454
225F	-0.332	0.029	0.917	-1.093	0.920	1.092	1.179	1.179	-1.093	0.387
226V	0.313	0.742	1.188	-1.338	1.084	1.111	0.750	1.188	-1.338	0.550
227R	-0.186	0.742	0.917	-1.548	0.765	0.622	-0.251	0.917	-1.548	0.152
228V	0.313	0.556	1.188	-0.935	1.084	1.111	0.750	1.188	-0.935	0.581
229S	0.661	1.279	1.132	-0.460	1.121	1.108	1.088	1.279	-0.460	0.847
230A	1.255	1.050	1.244	-0.045	1.084	1.107	0.499	1.255	-0.045	0.885
231D	1.350	0.846	0.804	-0.177	0.565	0.482	0.501	1.350	-0.177	0.624
232V	1.944	1.121	0.917	-0.559	0.528	0.480	-0.088	1.944	-0.559	0.620
233G	0.952	1.042	0.683	-1.229	0.382	0.466	0.187	1.042	-1.229	0.355
234G	1.084	1.024	1.113	-1.612	0.856	1.090	1.197	1.197	-1.612	0.679
235G	-0.129	0.073	0.776	-1.934	0.492	0.606	1.457	1.457	-1.934	0.191
236L	0.547	0.073	1.197	-1.503	0.811	0.645	0.755	1.197	-1.503	0.361
237R	-0.319	0.768	1.066	-0.962	0.838	0.647	1.076	1.076	-0.962	0.445
238F	-0.319	0.582	1.066	-0.213	0.838	0.647	1.076	1.076	-0.319	0.525
239N	-0.351	1.587	1.272	0.091	1.039	0.666	1.117	1.587	-0.351	0.775
240I	0.591	1.553	1.346	-0.122	0.984	0.661	0.682	1.553	-0.122	0.814
241G	0.686	2.369	1.365	-0.689	1.148	0.631	0.748	2.369	-0.689	0.894
242T	1.761	2.597	1.758	-1.174	1.558	1.226	0.471	2.597	-1.174	1.171
243G	1.647	2.645	1.655	-1.584	1.403	1.206	0.624	2.645	-1.584	1.085
244K	2.564	2.832	1.945	-1.380	1.576	1.224	0.462	2.832	-1.380	1.318
245E	2.836	2.491	2.225	-0.775	1.941	1.713	0.453	2.836	-0.775	1.555
246T	2.773	1.712	2.459	-0.059	2.260	2.318	0.412	2.773	-0.059	1.696
247S	2.791	1.311	2.795	0.599	2.679	2.360	0.575	2.795	0.575	1.873
248D	1.849	1.311	2.262	0.500	2.050	1.771	0.945	2.262	0.500	1.527
249R	1.489	0.772	2.094	0.289	1.859	1.791	1.238	2.094	0.289	1.362
250Q	1.571	-0.138	2.047	0.169	1.859	1.791	1.357	2.047	-0.138	1.237
251L	1.293	-0.629	1.898	0.510	1.704	1.771	0.187	1.898	-0.629	0.962
252H	0.427	-0.424	1.505	0.765	1.376	1.284	0.785	1.505	-0.424	0.817
253S	0.294	-0.514	1.075	0.619	0.902	0.659	-0.224	1.075	-0.514	0.402
254A	0.048	-1.466	0.748	-0.294	0.528	0.617	-1.398	0.748	-1.466	-0.174
255V	0.762	-0.839	0.832	-1.195	0.519	0.611	-2.843	0.832	-2.843	-0.307
256A	0.395	-0.116	0.552	-1.932	0.337	-0.007	-2.521	0.552	-2.521	-0.470
257A	0.345	0.243	0.393	-2.165	0.136	-0.027	-2.681	0.393	-2.681	-0.536
258A	0.572	0.782	0.384	-2.098	0.091	-0.027	-1.670	0.782	-2.098	-0.281
259V	0.939	1.321	0.748	-1.831	0.373	-0.010	-2.039	1.321	-2.039	-0.071
260G	1.438	1.776	1.019	-1.243	0.692	0.479	-1.038	1.776	-1.243	0.446
261G	1.938	1.724	1.290	-0.283	1.011	0.968	-0.037	1.938	-0.283	0.945
262P	1.938	0.922	1.533	0.790	1.285	0.987	1.193	1.938	0.790	1.236
263D	2.665	0.654	1.982	1.468	1.658	1.585	0.578	2.665	0.578	1.513
264D	1.723	0.473	1.926	1.503	1.658	1.589	0.829	1.926	0.473	1.386

265P	1.495	0.293	2.094	1.235	1.877	2.209	1.096	2.209	0.293	1.471
266E	1.495	0.748	2.094	0.963	1.877	2.209	1.096	2.209	0.748	1.498
267F	0.996	-0.032	2.066	1.150	1.832	1.739	1.325	2.066	-0.032	1.297
268H	0.629	0.770	2.225	1.290	1.987	1.875	1.333	2.225	0.629	1.444
269P	-0.085	1.219	1.898	0.999	1.722	1.862	1.548	1.898	-0.085	1.309
270P	-0.218	0.656	1.561	0.132	1.312	1.262	1.575	1.575	-0.218	0.897
271R	0.996	1.129	1.898	-0.609	1.677	1.747	1.314	1.898	-0.609	1.164
272L	0.281	1.129	1.655	-1.127	1.513	1.132	1.482	1.655	-1.127	0.866
273G	0.509	2.188	1.860	-0.994	1.877	1.708	1.327	2.188	-0.994	1.211
274D	0.642	1.597	2.047	-1.039	2.078	2.314	1.106	2.314	-1.039	1.249
275L	0.787	0.854	1.767	-1.050	1.759	1.709	1.267	1.767	-1.050	1.013
276K	1.457	1.597	1.636	-1.100	1.658	1.721	1.454	1.721	-1.100	1.204
277R	0.515	0.441	1.561	-0.819	1.713	1.727	1.889	1.889	-0.819	1.004
278S	0.515	0.255	1.561	-0.259	1.713	1.727	1.889	1.889	-0.259	1.057
279C	0.591	-0.805	1.505	0.070	1.686	1.723	1.776	1.776	-0.805	0.935
280L	0.591	-0.841	1.047	0.001	1.002	1.128	1.711	1.711	-0.841	0.663
281D	-0.256	-0.062	0.533	-0.533	0.537	0.509	2.147	2.147	-0.533	0.411
282I	-0.534	0.213	0.384	-1.218	0.382	0.489	0.977	0.977	-1.218	0.099
283G	-0.129	0.441	0.926	-1.859	0.838	1.071	0.328	1.071	-1.859	0.231
284L	0.718	-0.390	1.440	-2.148	1.303	1.690	-0.107	1.690	-2.148	0.358
285A	-0.148	0.441	1.047	-2.457	0.975	1.203	0.490	1.203	-2.457	0.222
286E	-0.224	-0.062	1.103	-2.470	1.002	1.206	0.603	1.206	-2.470	0.166
287R	-0.224	0.177	1.103	-2.493	1.002	1.206	0.603	1.206	-2.493	0.196
288V	-0.275	-0.278	1.206	-2.445	1.011	1.226	0.191	1.226	-2.445	0.091
289L	-0.142	0.309	1.636	-2.391	1.485	1.851	1.200	1.851	-2.391	0.564
290G	-0.503	0.189	1.552	-2.191	1.394	1.270	1.446	1.552	-2.191	0.451
291W	-0.389	0.137	1.449	-1.875	1.294	0.688	1.610	1.610	-1.875	0.416
292R	-0.661	0.435	1.431	-1.572	1.285	0.688	1.343	1.431	-1.572	0.421
293P	0.414	-0.378	1.842	-1.359	1.640	1.282	0.882	1.842	-1.359	0.618
294Q	-0.528	-0.198	1.767	-1.524	1.695	1.288	1.317	1.767	-1.524	0.545
295I	0.237	-0.062	1.748	-1.913	1.677	1.263	0.284	1.748	-1.913	0.462
296E	0.604	0.167	1.589	-1.957	1.522	1.127	0.276	1.589	-1.957	0.475
297L	0.832	0.405	1.337	-1.738	1.203	1.108	0.057	1.337	-1.738	0.458
298A	0.218	1.423	0.889	-1.183	0.820	1.067	0.482	1.423	-1.183	0.531
299D	0.990	1.914	1.459	-0.849	1.312	1.690	0.160	1.914	-0.849	0.954
300G	0.762	1.279	1.561	-1.068	1.422	1.715	0.185	1.715	-1.068	0.837
301V	1.672	1.227	1.842	-1.537	1.567	1.730	-0.209	1.842	-1.537	0.899
302R	1.306	0.916	1.720	-1.889	1.558	1.731	1.390	1.731	-1.889	0.962
303R	1.167	-0.072	1.776	-2.031	1.604	1.842	1.372	1.842	-2.031	0.808
304T	0.686	-0.072	2.038	-1.843	1.886	1.861	1.704	2.038	-1.843	0.894
305V	0.338	-0.472	2.094	-1.626	1.850	1.864	1.366	2.094	-1.626	0.773
306E	0.338	0.455	2.094	-1.546	1.850	1.864	1.366	2.094	-1.546	0.917
307Y	0.206	-0.030	1.823	-1.050	1.549	1.859	1.635	1.859	-1.050	0.856
308F	0.237	0.868	2.075	-0.721	2.032	2.434	1.659	2.434	-0.721	1.226
309R	0.604	1.581	2.356	0.145	2.214	3.052	1.338	3.052	0.145	1.613
310H	0.440	1.022	2.225	0.747	2.005	2.472	1.405	2.472	0.440	1.474
311K	1.192	1.187	2.244	1.467	2.087	2.942	1.064	2.942	1.064	1.740
312H	1.774	0.610	1.851	1.677	2.451	2.998	-0.198	2.998	-0.198	1.595
313T	1.508	0.774	0.963	1.806	2.296	2.433	-1.207	2.433	-1.207	1.225
314D	1.375	0.538	0.346	1.241	2.442	1.873	-2.484	2.442	-2.484	0.762

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]VRALVTGAAGFIGSTLVDRLLADGHSVVGLDNFATGRATNLEHLADNSAHVFVEADIVTADLHAILEQHR PEVVFHLAAQIDVRRSVADPQFDAAVNVIGTVRLAEAARQTGVRKIVHTSSGGSIYGTPPEYPTPETAPT DPASPYAAGKVAGEIYLNTFRHLYGLDCSHIAPANVYGPRQDPHGEAGVVAIFAQALLSGKPTRVFGDGT NTRDYVFVDDVVDAFVRVSADVGGGLRFNIGTGKETSDRQLHSAVAAAVGGPDDPEFHPPRLGDLKRS CLDIGLAERVLGWRPQIELADGVRRTVEYFRHKHTD[314]
Hydrophilicity	[1]VRALVTGAAGFIGSTLVDRLLADGHSVVGLDNFATGRATNLEHLADNSAHVFVEADIVTADLHAILEQHR PEVVFHLAAQIDVRRSVADPQFDAAVNVIGTVRLAEAARQTGVRKIVHTSSGGSIYGTPPEYPTPETAPT DPASPYAAGKVAGEIYLNTFRHLYGLDCSHIAPANVYGPRQDPHGEAGVVAIFAQALLSGKPTRVFGDGT NTRDYVFVDDVVDAFVRVSADVGGGLRFNIGTGKETSDRQLHSAVAAAVGGPDDPEFHPPRLGDLKRS CLDIGLAERVLGWRPQIELADGVRRTVEYFRHKHTD[314]
Flexibility	[1]VRALVTGAAGFIGSTLVDRLLADGHSVVGLDNFATGRATNLEHLADNSAHVFVEADIVTADLHAILEQHR PEVVFHLAAQIDVRRSVADPQFDAAVNVIGTVRLAEAARQTGVRKIVHTSSGGSIYGTPPEYPTPETAPT DPASPYAAGKVAGEIYLNTFRHLYGLDCSHIAPANVYGPRQDPHGEAGVVAIFAQALLSGKPTRVFGDGT NTRDYVFVDDVVDAFVRVSADVGGGLRFNIGTGKETSDRQLHSAVAAAVGGPDDPEFHPPRLGDLKRS CLDIGLAERVLGWRPQIELADGVRRTVEYFRHKHTD[314]
Accessibility	[1]VRALVTGAAGFIGSTLVDRLLADGHSVVGLDNFATGRATNLEHLADNSAHVFVEADIVTADLHAILEQHR PEVVFHLAAQIDVRRSVADPQFDAAVNVIGTVRLAEAARQTGVRKIVHTSSGGSIYGTPPEYPTPETAPT DPASPYAAGKVAGEIYLNTFRHLYGLDCSHIAPANVYGPRQDPHGEAGVVAIFAQALLSGKPTRVFGDGT NTRDYVFVDDVVDAFVRVSADVGGGLRFNIGTGKETSDRQLHSAVAAAVGGPDDPEFHPPRLGDLKRS CLDIGLAERVLGWRPQIELADGVRRTVEYFRHKHTD[314]
Turns	[1]VRALVTGAAGFIGSTLVDRLLADGHSVVGLDNFATGRATNLEHLADNSAHVFVEADIVTADLHAILEQHR PEVVFHLAAQIDVRRSVADPQFDAAVNVIGTVRLAEAARQTGVRKIVHTSSGGSIYGTPPEYPTPETAPT DPASPYAAGKVAGEIYLNTFRHLYGLDCSHIAPANVYGPRQDPHGEAGVVAIFAQALLSGKPTRVFGDGT NTRDYVFVDDVVDAFVRVSADVGGGLRFNIGTGKETSDRQLHSAVAAAVGGPDDPEFHPPRLGDLKRS CLDIGLAERVLGWRPQIELADGVRRTVEYFRHKHTD[314]
Exposed Surface	[1]VRALVTGAAGFIGSTLVDRLLADGHSVVGLDNFATGRATNLEHLADNSAHVFVEADIVTADLHAILEQHR PEVVFHLAAQIDVRRSVADPQFDAAVNVIGTVRLAEAARQTGVRKIVHTSSGGSIYGTPPEYPTPETAPT DPASPYAAGKVAGEIYLNTFRHLYGLDCSHIAPANVYGPRQDPHGEAGVVAIFAQALLSGKPTRVFGDGT NTRDYVFVDDVVDAFVRVSADVGGGLRFNIGTGKETSDRQLHSAVAAAVGGPDDPEFHPPRLGDLKRS CLDIGLAERVLGWRPQIELADGVRRTVEYFRHKHTD[314]
Polarity	[1]VRALVTGAAGFIGSTLVDRLLADGHSVVGLDNFATGRATNLEHLADNSAHVFVEADIVTADLHAILEQHR PEVVFHLAAQIDVRRSVADPQFDAAVNVIGTVRLAEAARQTGVRKIVHTSSGGSIYGTPPEYPTPETAPT DPASPYAAGKVAGEIYLNTFRHLYGLDCSHIAPANVYGPRQDPHGEAGVVAIFAQALLSGKPTRVFGDGT NTRDYVFVDDVVDAFVRVSADVGGGLRFNIGTGKETSDRQLHSAVAAAVGGPDDPEFHPPRLGDLKRS CLDIGLAERVLGWRPQIELADGVRRTVEYFRHKHTD[314]
Antigenic Propensity	[1]VRALVTGAAGFIGSTLVDRLLADGHSVVGLDNFATGRATNLEHLADNSAHVFVEADIVTADLHAILEQHR PEVVFHLAAQIDVRRSVADPQFDAAVNVIGTVRLAEAARQTGVRKIVHTSSGGSIYGTPPEYPTPETAPT DPASPYAAGKVAGEIYLNTFRHLYGLDCSHIAPANVYGPRQDPHGEAGVVAIFAQALLSGKPTRVFGDGT NTRDYVFVDDVVDAFVRVSADVGGGLRFNIGTGKETSDRQLHSAVAAAVGGPDDPEFHPPRLGDLKRS

	CLDIGLAERVLGWRPQIELADGVRRTVEYFRHKHTD[314]

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