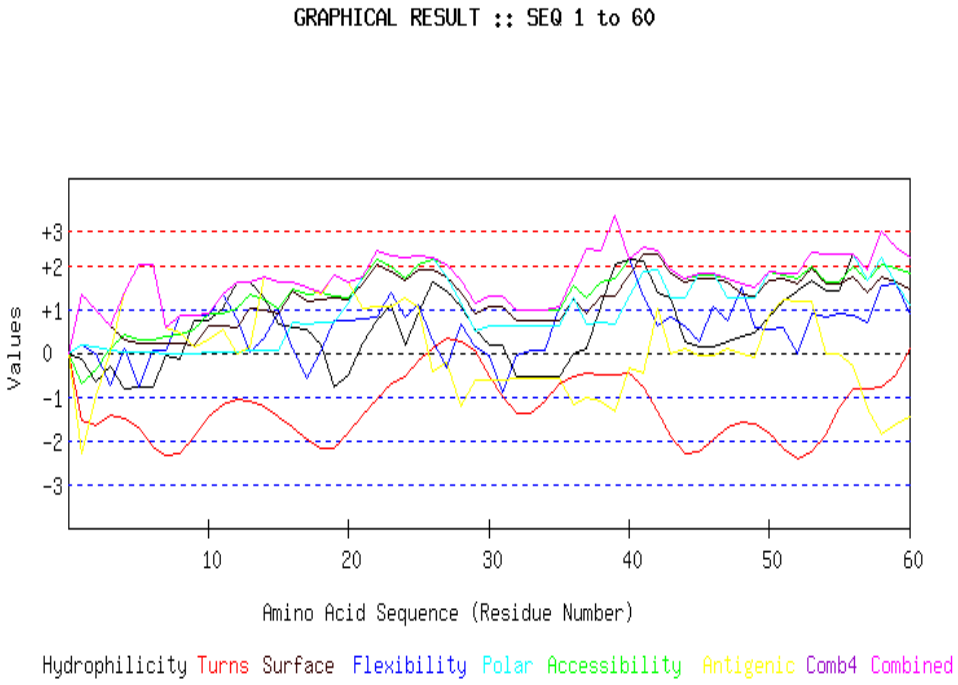
BcePred Prediction Server

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

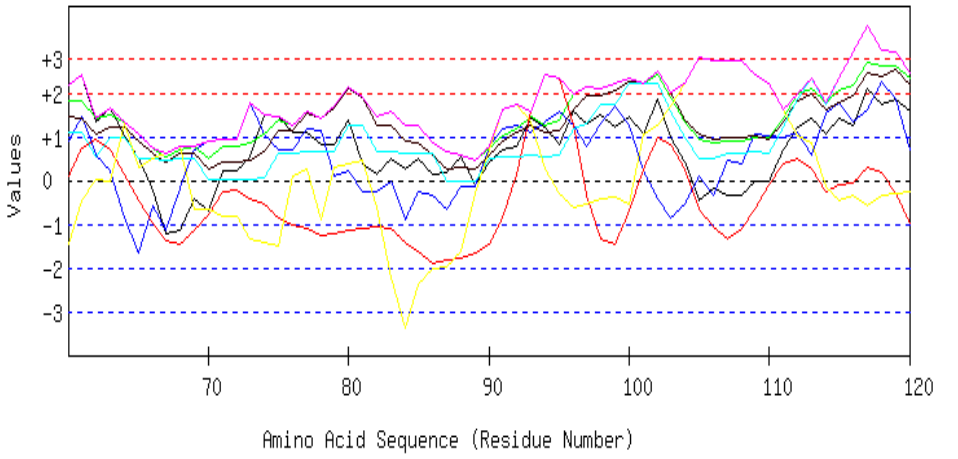
seqname=
Seq=MGLSIGIVGATGQVGQVMRTLLDERDFPASAVRFFASARSQGRKLAFRGQEIEVEDAETADPSGLDIALFSA
GSAMSKVQAPRFAAAGVTVIDNSSAWRKDPDVPLVVSEVNFERDAHRRPKGIIANPNCTTMAAMPVLKVLHDEA
RLVRLVVSSYQAVSGSGLAGVAELAEQARAVIGGAEQLVYDGGALEFPPPNTYVAPIAFNVVPLAGSLVDDGSGE
TDEDQKLRFESRKILGIPDLLVSGTCVRVPVFTGHSLSINAEFAQPLSPERARELLDGATGVQLVDVPTPLAAAGV
DESLVGRIRRDPGVPDGRGLALFVSGDNLRKGAALNTIQIAELLTADL

Length=345

GRAPHICAL RESULT

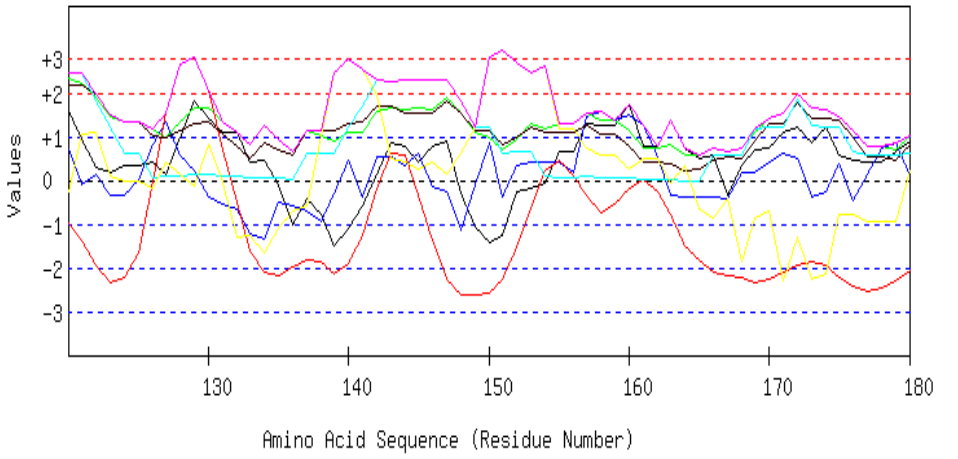


GRAPHICAL RESULT :: SEQ 61 to 120

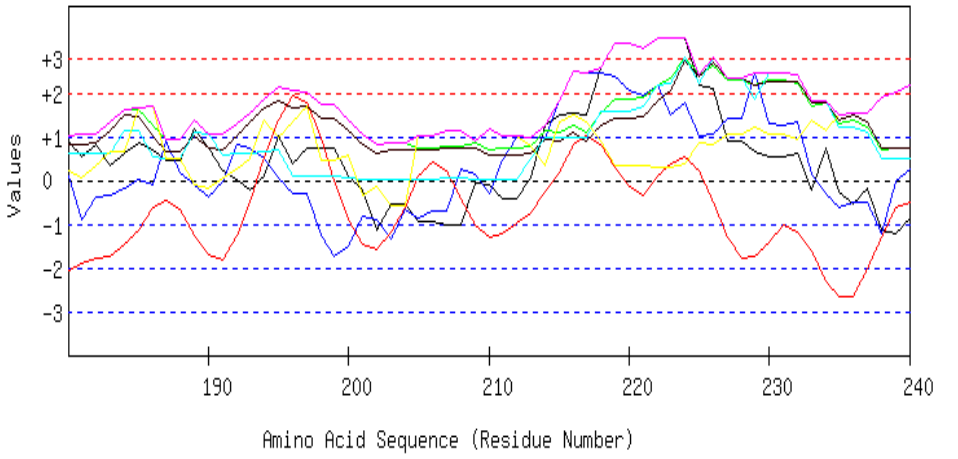


Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 121 to 180

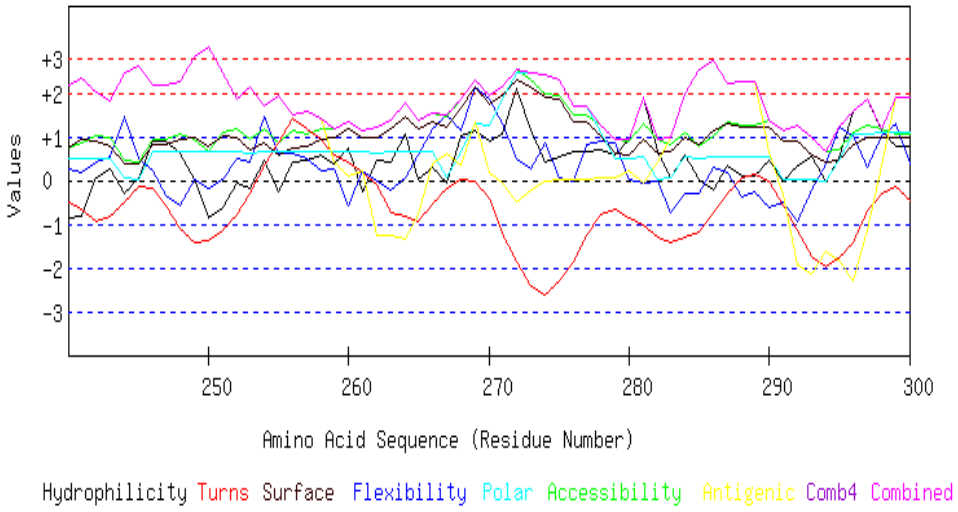


GRAPHICAL RESULT :: SEQ 181 to 240

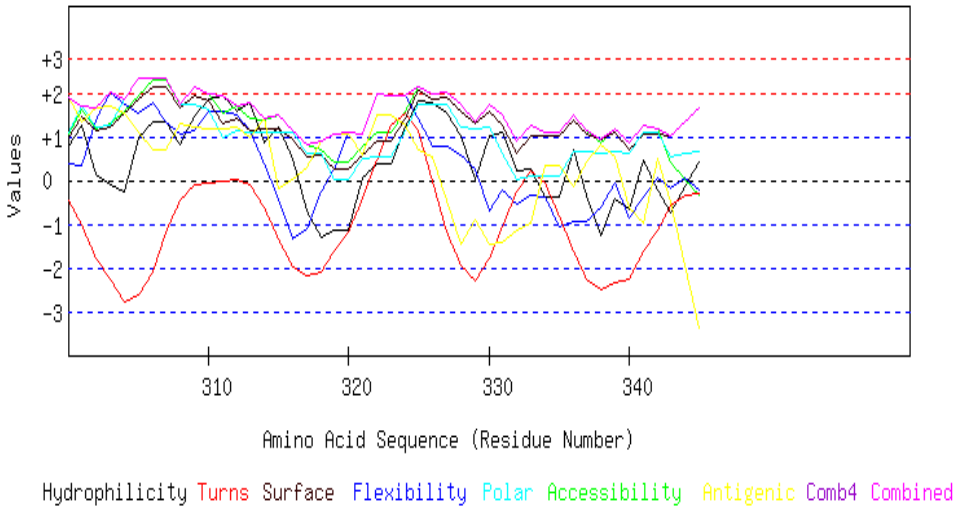


Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 241 to 300



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

MGLSIGIVGATGQVGQVMRTLLDERDFPASAVRFFASARSQGRKLAFRGQEIEVEDAETA
DPSGLDIALFSAGSAMSKVQAPRFAAAGVTVIDNSSAWRKDPDVPLVVSEVNFERDAHRR
PKGIIANPNCTTMAAMPVLKVLHDEARLVRLVVSSYQAVSGSGLAGVAELAEQARAVIGG
AEQLVYDGGALEFPPPNTYVAPIAFNVVPLAGSLVDDGSGETDEDQKLRFESRKILGIPD
LLVSGTCVRVPVFTGHSLSINAEFAQPLSPERARELLDGATGVQLVDVPTPLAAAGVDES
LVGRIRRDPGVPDGRGLALFVSGDNLRKGAALNTIQIAELLTADL

Length=345

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

1	M	-0.155	0.193	-0.682	-1.530	1.321	0.193	-2.309	1.321	-2.309	-0.424
2	G	-0.661	-0.017	-0.364	-1.652	0.984	0.134	-0.977	0.984	-1.652	-0.365
3	L	-0.300	-0.741	0.085	-1.422	0.619	0.074	0.034	0.619	-1.422	-0.236
4	S	-0.806	0.091	0.403	-1.493	0.282	0.016	1.365	1.365	-1.493	-0.020
5	I	-0.774	-0.765	0.290	-1.681	0.228	0.000	2.009	2.009	-1.681	-0.099
6	G	-0.774	0.051	0.290	-2.150	0.228	0.000	2.009	2.009	-2.150	-0.049
7	I	-0.060	0.051	0.375	-2.340	0.218	-0.005	0.564	0.564	-2.340	-0.171
8	V	-0.142	0.866	0.421	-2.312	0.218	-0.005	0.445	0.866	-2.312	-0.073
9	G	0.724	0.866	0.552	-1.902	0.191	-0.007	0.124	0.866	-1.902	0.078
10	A	0.743	0.866	0.889	-1.475	0.610	0.036	0.287	0.889	-1.475	0.279
11	T	1.015	1.357	0.907	-1.169	0.619	0.035	0.554	1.357	-1.169	0.474
12	G	1.609	0.770	1.019	-1.056	0.583	0.034	-0.035	1.609	-1.056	0.418
13	Q	1.628	0.029	1.356	-1.106	1.002	0.076	0.128	1.628	-1.106	0.445
14	V	1.261	0.351	1.234	-1.204	0.993	0.078	1.727	1.727	-1.204	0.634
15	G	0.667	0.938	1.029	-1.442	0.884	0.075	1.631	1.631	-1.442	0.540
16	Q	0.572	0.107	1.468	-1.704	1.403	0.700	1.630	1.630	-1.704	0.597
17	V	0.522	-0.589	1.337	-1.986	1.185	0.677	1.508	1.508	-1.986	0.379
18	M	0.174	0.047	1.375	-2.184	1.203	0.681	1.354	1.375	-2.184	0.378
19	R	-0.768	0.736	1.300	-2.165	1.257	0.686	1.788	1.788	-2.165	0.405
20	T	-0.515	0.736	1.244	-1.802	1.203	1.133	1.616	1.616	-1.802	0.516
21	L	0.212	0.784	1.692	-1.415	1.576	1.731	1.001	1.731	-1.415	0.797
22	L	0.743	0.814	2.132	-1.066	2.005	2.338	1.056	2.338	-1.066	1.146
23	D	1.110	1.377	1.973	-0.714	1.850	2.203	1.047	2.203	-0.714	1.264
24	E	0.199	0.838	1.711	-0.549	1.649	2.187	1.258	2.187	-0.549	1.042
25	R	0.914	1.119	2.038	-0.184	1.914	2.201	1.043	2.201	-0.184	1.292
26	D	1.628	0.305	2.122	0.118	1.905	2.195	-0.402	2.195	-0.402	1.124
27	F	1.407	-0.330	2.001	0.343	1.741	1.726	-0.234	2.001	-0.330	0.951
28	P	1.046	0.658	1.674	0.277	1.376	1.127	-1.217	1.674	-1.217	0.706
29	A	0.547	0.125	1.122	0.075	0.893	0.504	-0.628	1.122	-0.628	0.377
30	S	0.180	-0.050	1.281	-0.549	1.048	0.639	-0.620	1.281	-0.620	0.276
31	A	0.180	-0.905	1.281	-0.981	1.048	0.639	-0.620	1.281	-0.981	0.092
32	V	-0.534	-0.050	0.973	-1.388	0.729	0.625	-0.588	0.973	-1.388	-0.033
33	R	-0.534	0.047	0.973	-1.390	0.729	0.625	-0.588	0.973	-1.390	-0.020
34	F	-0.534	0.047	0.973	-1.091	0.729	0.625	-0.588	0.973	-1.091	0.023
35	F	-0.534	1.076	0.973	-0.698	0.729	0.625	-0.588	1.076	-0.698	0.226
36	A	-0.035	1.742	1.524	-0.529	1.212	1.248	-1.178	1.742	-1.178	0.569
37	S	0.111	2.369	1.244	-0.453	0.893	0.643	-1.017	2.369	-1.017	0.541
38	A	1.072	2.327	1.636	-0.518	1.312	0.681	-1.105	2.327	-1.105	0.772
39	R	2.014	3.158	1.692	-0.499	1.312	0.677	-1.356	3.158	-1.356	1.000
40	S	2.147	2.140	2.122	-0.458	1.786	1.302	-0.347	2.147	-0.458	1.242
41	Q	2.096	1.285	2.421	-0.780	2.269	1.876	-0.442	2.421	-0.780	1.247
42	G	1.382	0.620	2.337	-1.336	2.278	1.882	1.003	2.337	-1.336	1.167
43	R	1.249	0.806	1.907	-1.919	1.804	1.257	-0.006	1.907	-1.919	0.728
44	K	0.256	0.620	1.692	-2.283	1.604	1.241	0.086	1.692	-2.283	0.459
45	L	0.142	0.279	1.795	-2.257	1.704	1.823	-0.079	1.823	-2.257	0.487
46	A	0.142	1.058	1.795	-1.995	1.704	1.823	-0.079	1.823	-1.995	0.636
47	F	0.256	0.734	1.692	-1.718	1.604	1.241	0.086	1.692	-1.718	0.556
48	R	0.389	1.483	1.571	-1.583	1.330	1.246	-0.006	1.571	-1.583	0.633
49	G	0.465	0.574	1.515	-1.635	1.303	1.242	-0.119	1.515	-1.635	0.478
50	Q	0.825	0.521	1.842	-1.810	1.668	1.842	0.865	1.842	-1.810	0.822
51	E	1.173	0.570	1.786	-2.172	1.704	1.839	1.202	1.839	-2.172	0.872
52	I	1.401	-0.005	1.683	-2.435	1.595	1.814	1.177	1.814	-2.435	0.747
53	E	1.672	0.894	1.963	-2.252	1.959	2.303	1.168	2.303	-2.252	1.101
54	V	1.426	0.810	1.636	-1.855	1.586	2.261	-0.006	2.261	-1.855	0.837
55	E	1.426	0.906	1.636	-1.243	1.586	2.261	-0.006	2.261	-1.243	0.938
56	D	2.260	0.870	1.973	-0.822	1.759	2.279	-0.287	2.279	-0.822	1.147
57	A	1.900	0.690	1.646	-0.826	1.394	1.679	-1.270	1.900	-1.270	0.745
58	E	2.766	1.545	2.038	-0.783	1.722	2.167	-1.868	2.766	-1.868	1.084

59 T	2.406	1.597	1.954	-0.501	1.631	1.586	-1.622	2.406	-1.622	1.007
60 A	2.185	0.902	1.832	0.105	1.467	1.117	-1.453	2.185	-1.453	0.879
61 D	2.412	1.441	1.823	0.728	1.422	1.117	-0.443	2.412	-0.443	1.214
62 P	1.337	0.578	1.412	0.944	1.066	0.523	0.019	1.412	0.019	0.840
63 S	1.641	0.219	1.487	0.700	1.230	0.992	-0.031	1.641	-0.031	0.891
64 G	1.002	-0.841	1.346	0.141	1.212	0.994	1.301	1.346	-0.841	0.736
65 L	0.503	-1.642	1.075	-0.458	0.893	0.505	0.299	1.075	-1.642	0.168
66 D	-0.212	-0.583	0.748	-0.978	0.629	0.491	0.514	0.748	-0.978	0.087
67 I	-1.204	-1.121	0.533	-1.385	0.428	0.476	0.606	0.606	-1.385	-0.238
68 A	-1.154	-0.170	0.692	-1.447	0.629	0.496	0.765	0.765	-1.447	-0.027
69 L	-0.439	0.686	0.776	-1.144	0.619	0.490	-0.680	0.776	-1.144	0.044
70 F	-0.711	0.890	0.496	-0.795	0.255	0.001	-0.670	0.890	-0.795	-0.076
71 S	0.206	0.950	0.786	-0.274	0.428	0.020	-0.832	0.950	-0.832	0.183
72 A	0.206	0.950	0.786	-0.228	0.428	0.020	-0.832	0.950	-0.832	0.190
73 G	0.522	1.782	0.860	-0.414	0.465	0.031	-1.323	1.782	-1.323	0.275
74 S	1.514	1.058	1.075	-0.549	0.665	0.047	-1.414	1.514	-1.414	0.343
75 A	1.464	0.694	1.375	-0.872	1.148	0.622	-1.509	1.464	-1.509	0.417
76 M	1.097	0.694	1.253	-1.002	1.139	0.623	0.090	1.253	-1.002	0.556
77 S	1.116	1.167	1.589	-1.085	1.558	0.666	0.253	1.589	-1.085	0.752
78 K	0.838	1.125	1.440	-1.264	1.403	0.646	-0.917	1.440	-1.264	0.467
79 V	0.838	0.119	1.683	-1.211	1.677	0.665	0.313	1.683	-1.211	0.583
80 Q	1.369	0.215	2.122	-1.153	2.105	1.272	0.368	2.122	-1.153	0.900
81 A	0.376	-0.276	1.907	-1.086	1.905	1.256	0.459	1.907	-1.086	0.649
82 P	0.149	-0.276	1.459	-1.047	1.267	0.662	-0.616	1.459	-1.047	0.228
83 R	0.515	-0.007	1.580	-1.117	1.276	0.660	-2.215	1.580	-2.215	0.099
84 F	0.269	-0.917	1.253	-1.417	0.902	0.618	-3.388	1.253	-3.388	-0.383
85 A	0.496	-0.252	1.244	-1.604	0.856	0.618	-2.378	1.244	-2.378	-0.146
86 A	0.130	-0.348	0.879	-1.891	0.574	0.600	-2.009	0.879	-2.009	-0.295
87 A	0.193	-0.673	0.646	-1.816	0.255	-0.004	-1.968	0.646	-1.968	-0.481
88 G	0.541	-0.134	0.589	-1.769	0.291	-0.007	-1.630	0.589	-1.769	-0.303
89 V	-0.098	-0.152	0.449	-1.673	0.273	-0.005	-0.298	0.449	-1.673	-0.215
90 T	0.402	0.800	0.720	-1.451	0.592	0.484	0.703	0.800	-1.451	0.321
91 V	0.711	1.165	1.019	-0.873	0.902	0.524	1.600	1.600	-0.873	0.721
92 I	0.762	1.261	1.178	0.153	1.103	0.544	1.760	1.760	0.153	0.966
93 D	1.407	1.082	1.449	1.578	1.267	0.563	1.331	1.578	0.563	1.240
94 N	1.211	1.357	1.253	2.438	1.112	0.543	0.280	2.438	0.280	1.170
95 S	0.813	1.579	1.393	2.344	1.139	0.567	-0.287	2.344	-0.287	1.078
96 S	1.584	1.263	1.963	1.248	1.631	1.189	-0.609	1.963	-0.609	1.181
97 A	1.312	0.766	2.141	-0.324	1.950	1.295	-0.535	2.141	-0.535	0.944
98 W	1.502	1.305	2.113	-1.355	1.959	1.743	-0.431	2.113	-1.355	0.977
99 R	1.224	1.712	2.206	-1.461	2.078	1.742	-0.371	2.206	-1.461	1.019
100K	1.445	1.257	2.328	-0.681	2.242	2.211	-0.540	2.328	-0.681	1.180
101D	1.078	0.221	2.206	0.262	2.233	2.213	1.059	2.233	0.221	1.324
102P	1.843	-0.414	2.431	0.971	2.488	2.207	1.257	2.488	-0.414	1.540
103D	0.996	-0.869	1.917	0.825	2.023	1.587	1.693	2.023	-0.869	1.167
104V	0.402	-0.552	1.346	0.273	1.376	0.994	2.216	2.216	-0.552	0.865
105P	-0.465	0.119	0.954	-0.672	1.048	0.507	2.814	2.814	-0.672	0.615
106L	-0.186	-0.336	0.860	-1.077	0.929	0.508	2.754	2.754	-1.077	0.493
107V	-0.325	0.477	0.917	-1.351	0.975	0.619	2.736	2.736	-1.351	0.578
108V	-0.325	0.399	0.917	-1.117	0.975	0.619	2.736	2.736	-1.117	0.601
109S	-0.016	1.070	0.973	-0.654	1.011	0.640	2.403	2.403	-0.654	0.776
110E	-0.016	1.028	0.991	-0.104	0.957	0.639	2.220	2.220	-0.104	0.816
111V	0.711	0.992	1.440	0.371	1.330	1.237	1.605	1.605	0.371	1.098
112N	1.211	1.089	1.991	0.498	1.813	1.860	1.015	1.991	0.498	1.354
113F	1.432	0.570	2.113	0.275	1.977	2.329	0.846	2.329	0.275	1.363
114E	1.072	1.557	1.786	-0.247	1.613	1.729	-0.138	1.786	-0.247	1.053
115R	1.438	1.796	2.066	-0.117	1.795	2.348	-0.459	2.348	-0.459	1.267
116D	1.261	1.341	2.197	-0.045	1.959	2.932	-0.347	2.932	-0.347	1.328
117A	2.109	1.633	2.692	0.309	2.479	3.552	-0.599	3.552	-0.599	1.739

118H	1.748	2.261	2.608	0.197	2.388	2.972	-0.353	2.972	-0.353	1.689
119R	1.843	1.846	2.627	-0.288	2.552	2.942	-0.287	2.942	-0.288	1.605
120R	1.571	0.708	2.346	-0.980	2.187	2.453	-0.277	2.453	-0.980	1.144
121P	0.933	-0.106	2.206	-1.382	2.169	2.454	1.054	2.454	-1.382	1.047
122K	0.294	0.145	1.907	-1.954	1.977	1.836	1.109	1.977	-1.954	0.759
123G	0.161	-0.328	1.477	-2.359	1.504	1.212	0.099	1.504	-2.359	0.252
124I	0.338	-0.346	1.346	-2.225	1.339	0.628	-0.013	1.346	-2.225	0.153
125I	0.338	0.015	1.346	-1.671	1.339	0.628	-0.013	1.346	-1.671	0.283
126A	0.421	0.830	1.197	-0.037	1.011	0.074	-0.191	1.197	-0.191	0.472
127N	0.149	1.321	0.991	1.522	0.966	0.091	0.431	1.522	0.091	0.782
128P	0.983	0.598	1.328	2.675	1.139	0.110	0.150	2.675	0.110	0.997
129N	1.818	0.239	1.664	2.802	1.312	0.128	-0.131	2.802	-0.131	1.119
130C	1.420	-0.370	1.655	2.077	1.358	0.145	0.824	2.077	-0.370	1.015
131T	1.110	-0.520	1.356	0.707	1.048	0.104	-0.073	1.356	-0.520	0.533
132T	1.110	-0.653	1.113	-0.496	0.774	0.085	-1.303	1.113	-1.303	0.090
133M	0.402	-1.240	0.804	-1.637	0.510	0.062	-1.245	0.804	-1.637	-0.335
134A	0.446	-1.330	1.262	-2.082	0.875	0.063	-1.647	1.262	-2.082	-0.345
135A	-0.117	-0.498	0.945	-2.164	0.711	0.045	-1.099	0.945	-2.164	-0.311
136M	-1.027	-0.595	0.664	-1.990	0.565	0.030	-0.705	0.664	-1.990	-0.437
137P	-0.401	-0.685	1.122	-1.818	1.157	0.608	-0.585	1.157	-1.818	-0.086
138V	-0.768	-0.953	1.001	-1.876	1.148	0.609	1.014	1.148	-1.876	0.025
139L	-1.482	-0.318	0.917	-2.156	1.157	0.615	2.459	2.459	-2.156	0.170
140K	-1.084	0.461	1.085	-1.905	1.285	1.217	2.782	2.782	-1.905	0.549
141V	-0.585	-0.370	1.113	-1.258	1.330	1.687	2.553	2.553	-1.258	0.639
142L	0.142	0.540	1.561	-0.168	1.704	2.285	1.938	2.285	-0.168	1.143
143H	0.857	0.540	1.646	0.636	1.695	2.280	0.493	2.280	0.493	1.164
144D	0.762	0.353	1.627	0.580	1.531	2.310	0.427	2.310	0.353	1.084
145E	0.414	0.628	1.664	-0.321	1.549	2.314	0.273	2.314	-0.321	0.932
146A	0.762	-0.152	1.627	-1.377	1.531	2.310	0.427	2.310	-1.377	0.733
147R	0.895	-0.248	1.898	-2.250	1.832	2.315	0.158	2.315	-2.250	0.657
148L	-0.319	-1.158	1.543	-2.610	1.522	1.831	0.602	1.831	-2.610	0.202
149V	-1.046	-0.098	1.094	-2.616	1.148	1.233	1.217	1.233	-2.616	0.133
150R	-1.413	0.854	0.973	-2.596	1.139	1.235	2.816	2.816	-2.596	0.430
151L	-1.268	-0.366	0.692	-2.250	0.820	0.630	2.977	2.977	-2.250	0.176
152V	-0.275	0.329	0.926	-1.559	0.966	0.645	2.702	2.702	-1.559	0.533
153V	-0.161	0.425	1.300	-0.655	1.212	0.663	2.445	2.445	-0.655	0.747
154S	-0.047	0.425	1.197	0.200	1.112	0.080	2.609	2.609	-0.047	0.797
155S	0.667	0.425	1.281	0.473	1.103	0.075	1.164	1.281	0.075	0.741
156Y	0.667	0.197	1.281	0.113	1.103	0.075	1.164	1.281	0.075	0.657
157Q	1.312	1.459	1.552	-0.336	1.267	0.093	0.735	1.552	-0.336	0.869
158A	1.261	1.595	1.393	-0.745	1.066	0.073	0.576	1.595	-0.745	0.746
159V	1.261	1.391	1.393	-0.542	1.066	0.073	0.576	1.393	-0.542	0.746
160S	1.742	1.487	1.132	-0.180	0.784	0.054	0.244	1.742	-0.180	0.752
161G	0.781	1.259	0.720	0.008	0.419	0.017	0.516	1.259	0.008	0.531
162S	0.781	0.536	0.720	-0.253	0.419	0.017	0.516	0.781	-0.253	0.391
163G	1.375	-0.320	0.832	-0.769	0.382	0.015	-0.073	1.375	-0.769	0.206
164L	0.730	-0.372	0.561	-1.497	0.218	-0.003	0.356	0.730	-1.497	-0.001
165A	0.503	-0.372	0.571	-1.835	0.264	-0.003	-0.654	0.571	-1.835	-0.218
166G	0.585	-0.372	0.748	-2.098	0.474	0.576	-0.840	0.748	-2.098	-0.133
167V	-0.357	-0.424	0.674	-2.163	0.528	0.582	-0.406	0.674	-2.163	-0.224
168A	0.357	0.163	0.758	-2.239	0.519	0.576	-1.851	0.758	-2.239	-0.245
169E	0.718	0.163	1.085	-2.336	0.884	1.176	-0.867	1.176	-2.336	0.117
170L	0.737	0.401	1.421	-2.274	1.303	1.218	-0.704	1.421	-2.274	0.300
171A	1.103	0.606	1.543	-2.119	1.312	1.217	-2.303	1.543	-2.303	0.194
172E	1.236	0.509	1.973	-1.932	1.786	1.841	-1.294	1.973	-1.932	0.589
173Q	0.876	-0.390	1.646	-1.861	1.422	1.242	-2.277	1.646	-2.277	0.094
174A	1.224	-0.254	1.608	-1.952	1.403	1.238	-2.124	1.608	-2.124	0.163
175R	0.585	0.373	1.468	-2.236	1.385	1.240	-0.792	1.468	-2.236	0.289
176A	0.452	-0.440	1.132	-2.414	0.975	0.640	-0.765	1.132	-2.414	-0.060

177V	0.433	0.135	0.795	-2.536	0.556	0.598	-0.928	0.795	-2.536	-0.135
178I	0.433	0.722	0.795	-2.449	0.556	0.598	-0.928	0.795	-2.449	-0.039
179G	0.661	0.842	0.692	-2.292	0.446	0.573	-0.954	0.842	-2.292	-0.005
180G	0.907	0.119	1.019	-2.048	0.820	0.615	0.220	1.019	-2.048	0.236
181A	0.560	-0.915	1.057	-1.918	0.838	0.619	0.066	1.057	-1.918	0.044
182E	0.832	-0.376	1.075	-1.778	0.847	0.619	0.333	1.075	-1.778	0.222
183Q	0.351	-0.324	1.337	-1.752	1.130	0.638	0.665	1.337	-1.752	0.292
184L	0.623	-0.188	1.617	-1.469	1.494	1.127	0.656	1.617	-1.469	0.551
185V	0.850	0.017	1.608	-1.122	1.449	1.127	1.666	1.666	-1.122	0.799
186Y	0.718	-0.092	1.272	-0.606	1.039	0.527	1.693	1.693	-0.606	0.650
187D	0.471	0.890	0.945	-0.450	0.665	0.485	0.519	0.945	-0.450	0.504
188G	0.471	0.177	0.945	-0.661	0.665	0.485	0.519	0.945	-0.661	0.372
189G	1.198	-0.092	1.393	-1.266	1.039	1.083	-0.096	1.393	-1.266	0.466
190A	0.737	-0.360	1.075	-1.700	0.756	1.068	-0.177	1.075	-1.700	0.200
191L	0.237	-0.001	1.047	-1.805	0.711	0.598	0.052	1.047	-1.805	0.120
192E	0.010	0.812	1.300	-1.280	1.030	0.617	0.272	1.300	-1.280	0.394
193F	-0.218	0.728	1.552	-0.509	1.349	0.636	0.491	1.552	-0.509	0.576
194P	0.092	0.495	1.851	0.552	1.658	0.677	1.388	1.851	0.092	0.959
195P	1.002	0.041	2.132	1.385	1.804	0.691	0.994	2.132	0.041	1.150
196P	0.389	-0.318	2.057	1.945	1.677	0.111	1.353	2.057	-0.318	1.030
197N	0.737	-0.318	2.001	1.784	1.713	0.108	1.690	2.001	-0.318	1.102
198T	0.737	-1.252	1.758	0.999	1.440	0.089	0.460	1.758	-1.252	0.604
199Y	0.737	-1.743	1.758	-0.017	1.440	0.089	0.460	1.758	-1.743	0.389
200V	0.098	-1.510	1.375	-0.890	1.148	0.072	0.562	1.375	-1.510	0.122
201A	-0.212	-0.805	1.075	-1.442	0.838	0.031	-0.335	1.075	-1.442	-0.121
202P	-1.122	-0.901	0.814	-1.561	0.638	0.016	-0.125	0.814	-1.561	-0.320
203I	-0.559	-1.356	0.860	-1.164	0.711	0.037	-0.570	0.860	-1.356	-0.292
204A	-0.559	-0.673	0.860	-0.636	0.711	0.037	-0.570	0.860	-0.673	-0.119
205F	-0.926	-0.877	0.739	0.114	0.701	0.039	1.029	1.029	-0.926	0.117
206N	-0.926	-0.703	0.739	0.422	0.701	0.039	1.029	1.029	-0.926	0.186
207V	-1.002	-0.685	0.795	0.215	0.729	0.042	1.142	1.142	-1.002	0.177
208V	-1.002	0.267	0.795	-0.430	0.729	0.042	1.142	1.142	-1.002	0.220
209P	-0.060	0.159	0.851	-1.013	0.729	0.038	0.891	0.891	-1.013	0.228
210L	-0.092	-0.296	0.702	-1.294	0.574	0.017	1.164	1.164	-1.294	0.111
211A	-0.439	0.447	0.739	-1.214	0.592	0.021	1.010	1.010	-1.214	0.165
212G	-0.439	0.986	0.739	-0.974	0.592	0.021	1.010	1.010	-0.974	0.277
213S	0.060	0.986	0.767	-0.723	0.638	0.491	0.782	0.986	-0.723	0.429
214L	1.274	0.986	1.122	-0.259	0.948	0.975	0.338	1.274	-0.259	0.769
215V	1.502	1.818	1.113	0.174	0.902	0.975	1.348	1.818	0.174	1.119
216D	1.552	2.489	1.272	0.840	1.103	0.995	1.508	2.489	0.840	1.394
217D	1.502	2.441	1.113	1.010	0.902	0.975	1.348	2.441	0.902	1.327
218G	2.577	2.441	1.524	0.838	1.257	1.569	0.887	2.577	0.838	1.585
219S	3.139	2.389	1.842	0.296	1.422	1.587	0.339	3.139	0.296	1.573
220G	3.139	2.072	1.842	-0.123	1.422	1.587	0.339	3.139	-0.123	1.468
221E	3.000	1.936	1.898	-0.354	1.467	1.698	0.321	3.000	-0.354	1.424
222T	3.272	2.192	2.178	0.107	1.832	2.187	0.312	3.272	0.107	1.726
223D	3.240	1.497	2.356	0.385	2.050	2.209	0.316	3.240	0.316	1.722
224E	3.240	1.772	2.814	0.557	2.734	2.804	0.380	3.240	0.380	2.043
225D	2.166	1.022	2.403	0.234	2.379	2.210	0.842	2.403	0.234	1.608
226Q	2.102	1.058	2.636	-0.480	2.698	2.814	0.800	2.814	-0.480	1.661
227K	0.888	1.423	2.300	-1.312	2.333	2.330	1.060	2.333	-1.312	1.289
228L	0.888	1.405	2.300	-1.777	2.333	2.330	1.060	2.333	-1.777	1.220
229R	0.667	2.441	2.178	-1.733	2.169	1.861	1.229	2.441	-1.733	1.259
230F	0.553	1.303	2.281	-1.415	2.269	2.443	1.065	2.443	-1.415	1.214
231E	0.553	1.273	2.281	-1.024	2.269	2.443	1.065	2.443	-1.024	1.266
232S	0.629	1.325	2.225	-1.171	2.242	2.439	0.951	2.439	-1.171	1.234
233R	-0.218	0.145	1.711	-1.621	1.777	1.820	1.387	1.820	-1.621	0.714
234K	0.724	-0.310	1.767	-2.288	1.777	1.816	1.136	1.816	-2.288	0.660
235I	-0.275	-0.603	1.300	-2.652	1.394	1.218	1.484	1.484	-2.652	0.267

236L	-0.553	-0.482	1.393	-2.655	1.513	1.217	1.545	1.545	-2.655	0.282
237G	-0.186	-0.482	1.234	-2.021	1.358	1.081	1.536	1.536	-2.021	0.360
238I	-1.128	-1.206	0.702	-1.287	0.729	0.492	1.906	1.906	-1.287	0.030
239P	-1.204	-0.026	0.758	-0.624	0.756	0.496	2.020	2.020	-1.204	0.311
240D	-0.857	0.243	0.720	-0.492	0.738	0.492	2.173	2.173	-0.857	0.431
241L	-0.806	0.195	0.879	-0.679	0.938	0.512	2.333	2.333	-0.806	0.482
242L	0.060	0.435	1.010	-0.945	0.911	0.510	2.012	2.012	-0.945	0.570
243V	0.256	0.544	0.963	-0.839	0.793	0.511	1.832	1.832	-0.839	0.580
244S	-0.288	1.453	0.477	-0.497	0.382	0.040	2.464	2.464	-0.497	0.576
245G	0.060	0.501	0.440	-0.124	0.364	0.036	2.617	2.617	-0.124	0.557
246T	0.907	0.233	0.954	-0.181	0.829	0.655	2.182	2.182	-0.181	0.797
247C	0.907	-0.354	0.954	-0.566	0.829	0.655	2.182	2.182	-0.566	0.658
248V	0.629	-0.564	1.047	-1.099	0.948	0.654	2.242	2.242	-1.099	0.551
249R	0.035	0.023	0.935	-1.432	0.984	0.656	2.830	2.830	-1.432	0.576
250V	-0.876	-0.164	0.674	-1.375	0.784	0.640	3.040	3.040	-1.375	0.389
251P	-0.635	0.023	1.085	-1.121	1.030	0.642	2.459	2.459	-1.121	0.497
252V	-0.041	0.519	1.197	-0.784	0.993	0.641	1.871	1.871	-0.784	0.628
253F	-0.174	0.411	0.926	-0.281	0.692	0.636	2.139	2.139	-0.281	0.621
254T	0.471	1.441	1.197	0.337	0.856	0.654	1.710	1.710	0.337	0.952
255G	-0.243	0.626	0.870	0.866	0.592	0.641	1.925	1.925	-0.243	0.754
256H	0.402	0.608	1.141	1.402	0.756	0.659	1.496	1.496	0.402	0.923
257S	0.477	0.517	1.066	1.167	0.784	0.657	1.566	1.566	0.477	0.891
258L	0.591	0.237	1.169	0.943	0.938	0.678	1.413	1.413	0.237	0.853
259S	0.364	0.267	1.178	0.583	0.984	0.678	0.402	1.178	0.267	0.637
260I	0.724	-0.589	1.346	0.415	1.175	0.657	0.109	1.346	-0.589	0.548
261N	-0.269	0.227	1.132	0.197	0.975	0.641	0.200	1.132	-0.269	0.443
262A	0.446	-0.023	1.216	-0.112	0.966	0.636	-1.245	1.216	-1.245	0.269
263E	0.414	-0.228	1.393	-0.724	1.185	0.658	-1.242	1.393	-1.242	0.208
264F	1.053	0.053	1.776	-0.803	1.476	0.676	-1.343	1.776	-1.343	0.412
265A	0.029	0.586	1.393	-0.955	1.175	0.640	-0.795	1.393	-0.955	0.296
266Q	0.307	1.161	1.543	-0.544	1.330	0.660	0.375	1.543	-0.544	0.690
267P	-0.054	1.483	1.459	-0.180	1.239	0.080	0.621	1.483	-0.180	0.664
268L	1.021	1.125	1.851	0.019	1.649	0.675	0.343	1.851	0.019	0.955
269S	1.154	2.142	2.281	-0.003	2.123	1.300	1.353	2.281	-0.003	1.479
270P	0.907	1.862	1.954	-0.416	1.750	1.258	0.179	1.954	-0.416	1.071
271E	1.040	1.299	2.141	-1.217	1.950	1.863	-0.042	2.141	-1.217	1.005
272R	2.115	0.519	2.552	-1.879	2.306	2.457	-0.503	2.552	-1.879	1.081
273A	1.122	0.245	2.318	-2.422	2.160	2.443	-0.228	2.443	-2.422	0.805
274R	0.408	0.872	1.991	-2.621	1.895	2.429	-0.013	2.429	-2.621	0.709
275E	0.547	0.059	1.935	-2.306	1.850	2.318	0.005	2.318	-2.306	0.630
276L	0.642	-0.026	1.496	-1.846	1.330	1.694	0.006	1.694	-1.846	0.471
277L	0.642	0.806	1.496	-1.246	1.330	1.694	0.006	1.694	-1.246	0.675
278D	0.705	0.914	1.262	-0.763	1.011	1.089	0.047	1.262	-0.763	0.609
279G	0.572	0.866	0.926	-0.649	0.601	0.490	0.074	0.926	-0.649	0.411
280A	0.920	0.035	0.889	-0.851	0.583	0.486	0.228	0.920	-0.851	0.327
281T	1.881	-0.062	1.300	-1.001	0.948	0.523	-0.044	1.881	-1.001	0.506
282G	0.667	-0.013	0.945	-1.300	0.638	0.039	0.400	0.945	-1.300	0.196
283V	0.073	-0.737	0.832	-1.418	0.674	0.041	0.988	0.988	-1.418	0.065
284Q	0.572	-0.282	1.103	-1.299	0.993	0.530	1.990	1.990	-1.299	0.515
285L	0.010	-0.282	0.786	-1.192	0.829	0.511	2.538	2.538	-1.192	0.457
286V	-0.218	0.281	1.038	-0.725	1.148	0.530	2.757	2.757	-0.725	0.687
287D	0.345	0.173	1.356	-0.290	1.312	0.549	2.209	2.209	-0.290	0.808
288V	0.098	-0.366	1.272	0.074	1.212	0.525	2.266	2.266	-0.366	0.726
289P	0.098	-0.270	1.272	0.128	1.212	0.525	2.266	2.266	-0.270	0.747
290T	0.465	-0.629	1.393	-0.000	1.221	0.524	0.667	1.393	-0.629	0.520
291P	-0.035	-0.492	1.122	-0.599	0.902	0.035	-0.334	1.122	-0.599	0.086
292L	0.332	-0.947	1.244	-1.145	0.911	0.033	-1.933	1.244	-1.933	-0.215
293A	0.560	-0.204	0.991	-1.722	0.592	0.014	-2.153	0.991	-2.153	-0.274
294A	-0.003	0.371	0.674	-1.994	0.428	-0.004	-1.605	0.674	-1.994	-0.305

295A	0.496	1.227	0.702	-1.792	0.474	0.466	-1.834	1.227	-1.834	-0.037
296G	1.571	1.022	1.113	-1.404	0.829	1.060	-2.295	1.571	-2.295	0.271
297V	1.849	0.299	1.262	-0.691	0.984	1.080	-1.125	1.849	-1.125	0.523
298D	1.135	1.022	1.178	-0.287	0.993	1.085	0.320	1.178	-0.287	0.778
299E	0.768	1.297	1.057	-0.120	0.984	1.087	1.919	1.919	-0.120	0.999
300S	0.768	0.397	1.057	-0.480	0.984	1.087	1.919	1.919	-0.480	0.819
301L	1.268	0.355	1.608	-1.004	1.467	1.710	1.330	1.710	-1.004	0.962
302V	0.130	1.373	1.197	-1.794	1.130	1.223	1.660	1.660	-1.794	0.703
303G	-0.098	2.008	1.300	-2.257	1.239	1.248	1.686	2.008	-2.257	0.732
304R	-0.243	1.740	1.580	-2.770	1.558	1.853	1.525	1.853	-2.770	0.749
305I	0.971	1.553	1.935	-2.635	1.868	2.336	1.081	2.336	-2.635	1.016
306R	1.337	1.782	2.300	-2.097	2.151	2.354	0.712	2.354	-2.097	1.220
307R	1.337	1.327	2.300	-1.200	2.151	2.354	0.712	2.354	-1.200	1.283
308D	0.838	1.052	1.748	-0.450	1.668	1.730	1.302	1.748	-0.450	1.127
309P	1.476	1.141	2.132	-0.090	1.959	1.748	1.200	2.132	-0.090	1.367
310G	1.843	1.595	1.973	-0.057	1.804	1.612	1.192	1.973	-0.057	1.423
311V	1.938	1.595	1.533	-0.003	1.285	0.987	1.193	1.938	-0.003	1.218
312P	1.571	1.487	1.692	0.018	1.440	1.123	1.201	1.692	0.018	1.219
313D	1.799	1.129	1.440	-0.088	1.121	1.104	0.982	1.799	-0.088	1.069
314G	0.857	0.385	1.365	-0.622	1.175	1.109	1.416	1.416	-0.622	0.812
315R	1.224	-0.416	1.487	-1.345	1.185	1.108	-0.183	1.487	-1.345	0.437
316G	0.509	-1.326	1.160	-1.961	0.920	1.094	0.032	1.160	-1.961	0.061
317L	-0.705	-1.097	0.823	-2.177	0.556	0.610	0.293	0.823	-2.177	-0.243
318A	-1.299	-0.266	0.711	-2.089	0.592	0.611	0.881	0.881	-2.089	-0.123
319L	-1.154	0.273	0.431	-1.601	0.273	0.006	1.042	1.042	-1.601	-0.104
320F	-1.154	1.087	0.431	-1.169	0.273	0.006	1.042	1.087	-1.169	0.074
321V	0.060	1.056	0.786	-0.411	0.583	0.490	0.598	1.056	-0.411	0.452
322S	0.370	1.966	1.085	0.473	0.893	0.531	1.495	1.966	0.370	0.973
323G	0.370	1.942	1.085	1.244	0.893	0.531	1.495	1.942	0.370	1.080
324D	1.217	1.942	1.580	1.545	1.412	1.151	1.243	1.942	1.151	1.442
325N	1.812	1.403	2.150	1.156	2.060	1.744	0.719	2.150	0.719	1.578
326L	1.761	0.794	1.991	-0.009	1.859	1.724	0.560	1.991	-0.009	1.240
327R	1.533	0.794	2.001	-1.183	1.905	1.724	-0.451	2.001	-1.183	0.903
328K	1.034	0.590	1.730	-1.955	1.586	1.235	-1.452	1.730	-1.955	0.395
329G	0.010	0.249	1.346	-2.313	1.285	1.200	-0.904	1.346	-2.313	0.125
330A	1.034	-0.703	1.730	-1.762	1.586	1.235	-1.452	1.730	-1.762	0.238
331A	1.097	-0.212	1.496	-1.073	1.267	0.630	-1.410	1.496	-1.410	0.256
332L	0.231	-0.536	0.907	-0.271	0.610	0.038	-1.154	0.907	-1.154	-0.025
333N	0.250	-0.332	1.244	0.213	1.030	0.080	-0.991	1.244	-0.991	0.213
334T	-0.389	-0.366	1.103	-0.048	1.011	0.082	0.341	1.103	-0.389	0.248
335I	-0.389	-1.061	1.103	-0.833	1.011	0.082	0.341	1.103	-1.061	0.036
336Q	0.686	-0.941	1.515	-1.623	1.367	0.676	-0.120	1.515	-1.623	0.223
337I	-0.338	-0.941	1.132	-2.274	1.066	0.641	0.428	1.132	-2.274	-0.041
338A	-1.249	-0.617	0.851	-2.506	0.920	0.626	0.822	0.920	-2.506	-0.164
339E	-0.414	-0.078	1.188	-2.355	1.093	0.644	0.541	1.188	-2.355	0.089
340L	-0.661	-0.857	0.860	-2.248	0.720	0.602	-0.632	0.860	-2.248	-0.317
341L	0.477	-0.398	1.272	-1.618	1.057	1.089	-0.963	1.272	-1.618	0.131
342T	-0.237	0.061	1.188	-1.124	1.066	1.094	0.482	1.188	-1.124	0.361
343A	-0.730	-0.176	0.403	-0.562	1.020	0.555	-0.502	1.020	-0.730	0.001
344D	-0.148	0.079	0.029	-0.358	1.330	0.610	-1.947	1.330	-1.947	-0.058
345L	0.433	-0.206	-0.345	-0.312	1.640	0.664	-3.392	1.640	-3.392	-0.217

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]MGLSIGIVGATGQVGQVMRTLLDERDFPASAVRFFASARSQGRKLAFRGQEIEVEDAETADPSG LDIALFSAGSAMSKVQAPRFAAAGVTVIDNSSAWRKDPDVPLVVSEVNFERDAHRRPKGIIANPN CTTMAAMPVLKVLHDEARLVRLVVSSYQAVSGSGLAGVAELAEQARAVIGGAEQLVYDGGALEF PPPNTYVAPIAFNVVPLAGSLVDDGSGETDEDQKLRFESRKILGIPDLLVSGTCVRVPVFTGHSLSI NAEFAQPLSPERARELLDGATGVQLVDVPTPLAAAGVDESLVGRIRRDPGVPDGRGLALFVSGD NLRKGAALNTIQIAELLTADL[345]
Hydrophilicity	[1]MGLSIGIVGATGQVGQVMRTLLDERDFPASAVRFFASARSQGRKLAFRGQEIEVEDAETADPSG LDIALFSAGSAMSKVQAPRFAAAGVTVIDNSSAWRKDPDVPLVVSEVNFERDAHRRPKGIIANPN CTTMAAMPVLKVLHDEARLVRLVVSSYQAVSGSGLAGVAELAEQARAVIGGAEQLVYDGGALEF PPPNTYVAPIAFNVVPLAGSLVDDGSGETDEDQKLRFESRKILGIPDLLVSGTCVRVPVFTGHSLSI NAEFAQPLSPERARELLDGATGVQLVDVPTPLAAAGVDESLVGRIRRDPGVPDGRGLALFVSGD NLRKGAALNTIQIAELLTADL[345]
Flexibility	[1]MGLSIGIVGATGQVGQVMRTLLDERDFPASAVRFFASARSQGRKLAFRGQEIEVEDAETADPSG LDIALFSAGSAMSKVQAPRFAAAGVTVIDNSSAWRKDPDVPLVVSEVNFERDAHRRPKGIIANPN CTTMAAMPVLKVLHDEARLVRLVVSSYQAVSGSGLAGVAELAEQARAVIGGAEQLVYDGGALEF PPPNTYVAPIAFNVVPLAGSLVDDGSGETDEDQKLRFESRKILGIPDLLVSGTCVRVPVFTGHSLSI NAEFAQPLSPERARELLDGATGVQLVDVPTPLAAAGVDESLVGRIRRDPGVPDGRGLALFVSGD NLRKGAALNTIQIAELLTADL[345]
Accessibility	[1]MGLSIGIVGATGQVGQVMRTLLDERDFPASAVRFFASARSQGRKLAFRGQEIEVEDAETADPSG LDIALFSAGSAMSKVQAPRFAAAGVTVIDNSSAWRKDPDVPLVVSEVNFERDAHRRPKGIIANPN CTTMAAMPVLKVLHDEARLVRLVVSSYQAVSGSGLAGVAELAEQARAVIGGAEQLVYDGGALEF PPPNTYVAPIAFNVVPLAGSLVDDGSGETDEDQKLRFESRKILGIPDLLVSGTCVRVPVFTGHSLSI NAEFAQPLSPERARELLDGATGVQLVDVPTPLAAAGVDESLVGRIRRDPGVPDGRGLALFVSGD NLRKGAALNTIQIAELLTADL[345]
Turns	[1]MGLSIGIVGATGQVGQVMRTLLDERDFPASAVRFFASARSQGRKLAFRGQEIEVEDAETADPSG LDIALFSAGSAMSKVQAPRFAAAGVTVIDNSSAWRKDPDVPLVVSEVNFERDAHRRPKGIIANPN CTTMAAMPVLKVLHDEARLVRLVVSSYQAVSGSGLAGVAELAEQARAVIGGAEQLVYDGGALEF PPPNTYVAPIAFNVVPLAGSLVDDGSGETDEDQKLRFESRKILGIPDLLVSGTCVRVPVFTGHSLSI NAEFAQPLSPERARELLDGATGVQLVDVPTPLAAAGVDESLVGRIRRDPGVPDGRGLALFVSGD NLRKGAALNTIQIAELLTADL[345]
Exposed Surface	[1]MGLSIGIVGATGQVGQVMRTLLDERDFPASAVRFFASARSQGRKLAFRGQEIEVEDAETADPSG LDIALFSAGSAMSKVQAPRFAAAGVTVIDNSSAWRKDPDVPLVVSEVNFERDAHRRPKGIIANPN CTTMAAMPVLKVLHDEARLVRLVVSSYQAVSGSGLAGVAELAEQARAVIGGAEQLVYDGGALEF PPPNTYVAPIAFNVVPLAGSLVDDGSGETDEDQKLRFESRKILGIPDLLVSGTCVRVPVFTGHSLSI NAEFAQPLSPERARELLDGATGVQLVDVPTPLAAAGVDESLVGRIRRDPGVPDGRGLALFVSGD NLRKGAALNTIQIAELLTADL[345]
Polarity	[1]MGLSIGIVGATGQVGQVMRTLLDERDFPASAVRFFASARSQGRKLAFRGQEIEVEDAETADPSG LDIALFSAGSAMSKVQAPRFAAAGVTVIDNSSAWRKDPDVPLVVSEVNFERDAHRRPKGIIANPN

	CTTMAAMPVLKVLHDEARLVRLVVSSYQAVSGSGLAGVAELAEQARAVIGGAEQLVYDGGALEF PPPNTYVAPIAFNVVPLAGSLVDDGSGETDEDQKLRFESRKILGIPDLLVSGTCVRVPVFTGHSLSI NAEFAQPLSPERARELLDGATGVQLVDVPTPLAAAGVDESLVGRIRRDPGVPDGRGLALFVSGD NLRKGAALNTIQIAELLTADL[345]
Antigenic Propensity	[1]MGLSIGIVGATGQVGQVMRTLLDERDFPASAVRFFASARSQGRKLAFRGQEIEVEDAETADPSG LDIALFSAGSAMSKVQAPRFAAAGVTVIDNSSAWRKDPDVPLVVSEVNFERDAHRRPKGIIANPN CTTMAAMPVLKVLHDEARLVRLVVSSYQAVSGSGLAGVAELAEQARAVIGGAEQLVYDGGALEF PPPNTYVAPIAFNVVPLAGSLVDDGSGETDEDQKLRFESRKILGIPDLLVSGTCVRVPVFTGHSLSI NAEFAQPLSPERARELLDGATGVQLVDVPTPLAAAGVDESLVGRIRRDPGVPDGRGLALFVSGD NLRKGAALNTIQIAELLTADL[345]

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