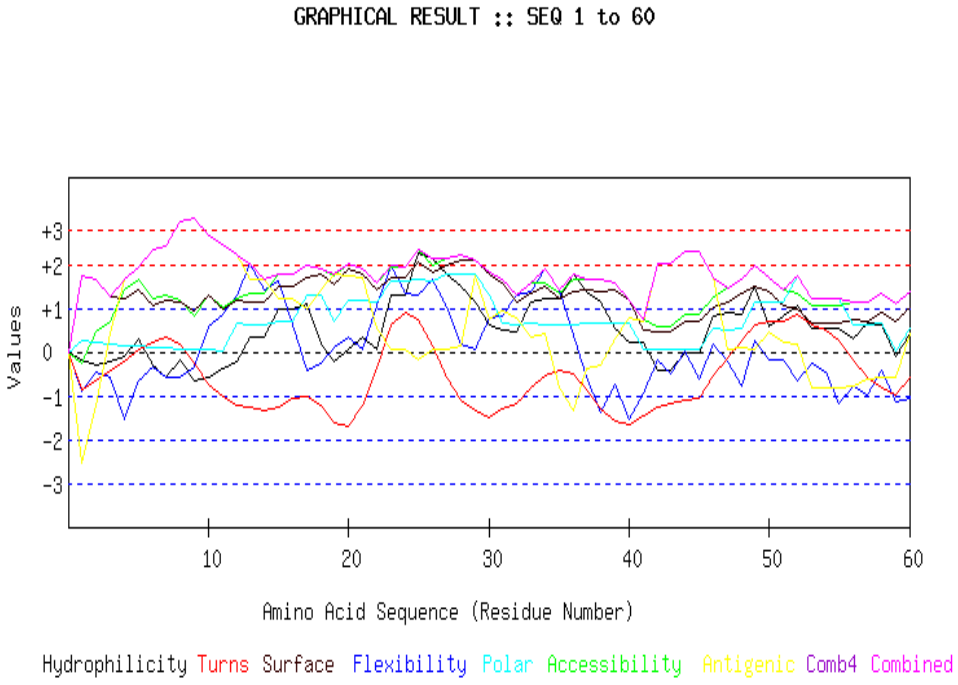
BcePred Prediction Server

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

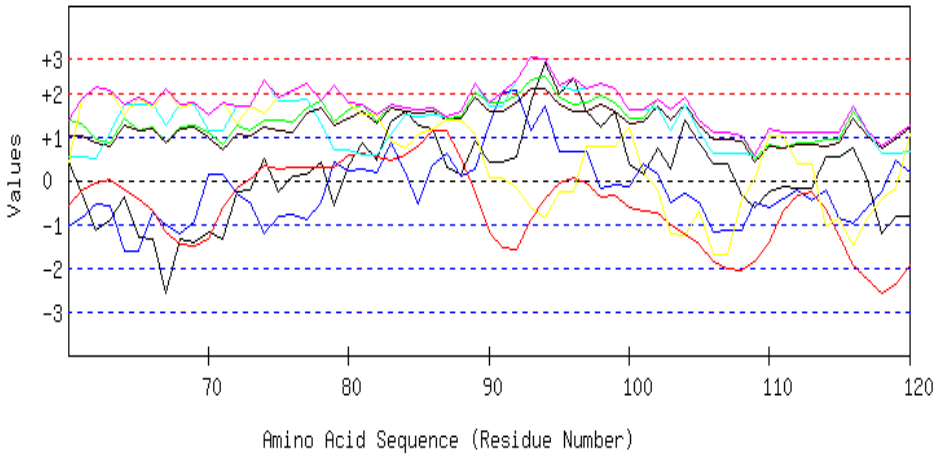
seqname=
Seq=MQSWYCPPVPVLPGRGPQLRLYDSADRQVRPVAPGSKATMYVCGITPYDATHLGHAATYVTFDLIHRLWL
DLGHELHYVQNITDIDDPLFERADRDGVDWRDLAQAEVALFCEDMAALRVLPPQDYVGATEAIAEMVELIEKMLA
CGAAYVIDREMGEYQDIYFRADATLQFGYESGYDRDTMLRLCEERGGDPRRPGKSDELDALLWRAARPGEPSW
PSPFGPGRPGWHVECAAIALSRIGSGLDIQGGGSDLIFPHHEFTAAHAECVSGERRFARHYVHAGMIGWDGHK
MSKSRGNLVLVSALRAQDVEPSAVRLGLLAGHYRADRFWSQQVLDEATARLHRWRTATALPAGPAAVDVVARVR
RYLADDLDTPKAIAALDGWVTDAVEYGGHDAGAPKLVATAIDALLGVDL

Length=414

GRAPHICAL RESULT

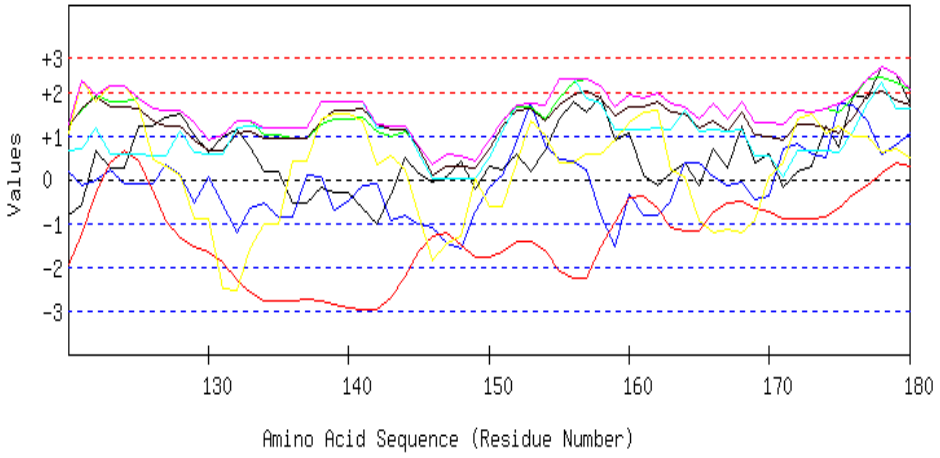


GRAPHICAL RESULT :: SEQ 61 to 120



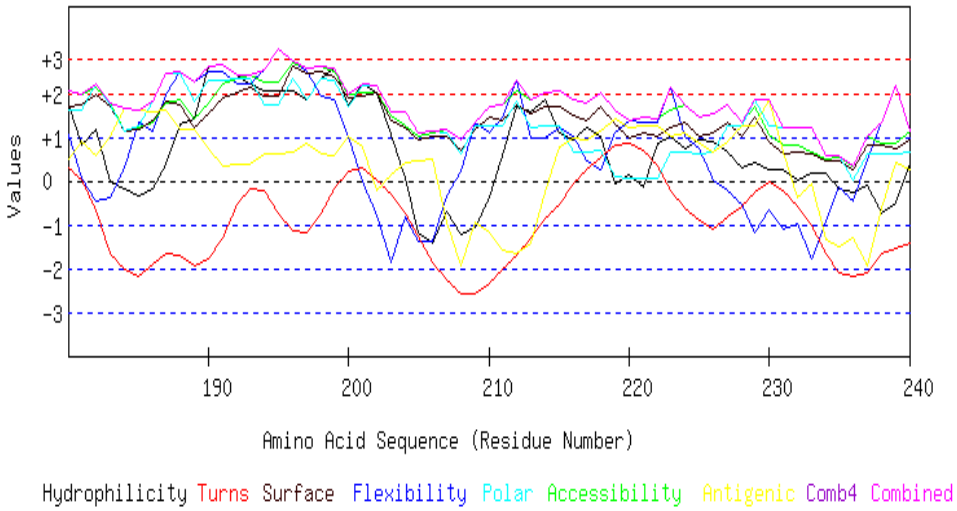
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 121 to 180

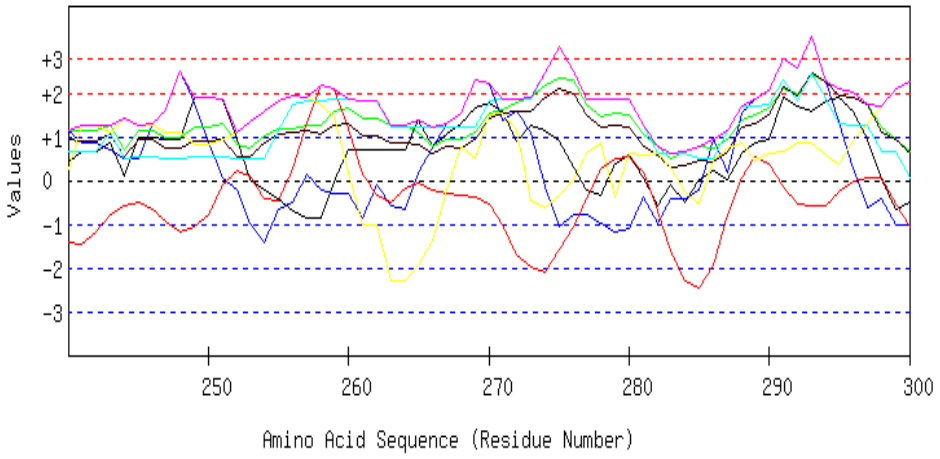


Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 181 to 240

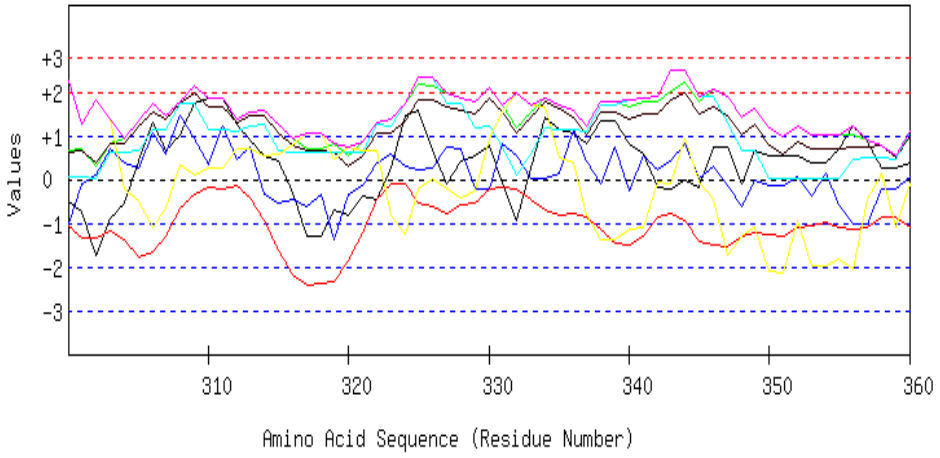


GRAPHICAL RESULT :: SEQ 241 to 300



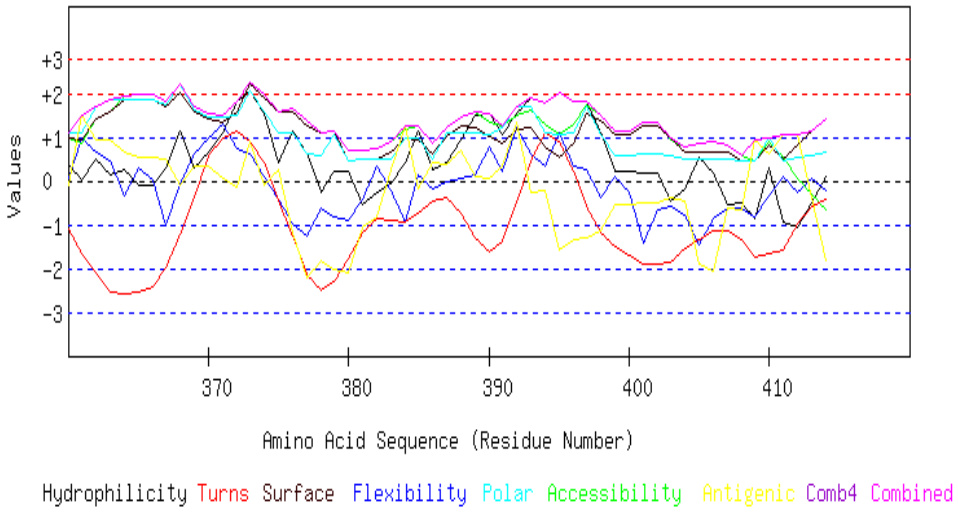
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 301 to 360



Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 361 to 420



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

**MQSWYCPPVPVLPGRGPQLRLYDSADRQVRPVAPGSKATMYVCGITPYDATHLGHAATYV
TFDLIHRLWLDLGHELHYVQNITDIDDPLFERADRDGVDWRDLAQAEVALFCEDMAALRV
LPPQDYVGATEAIAEMVELIEKMLACGAAYVIDREMGEYQDIYFRADATLQFGYESGYDR
DTMLRLCEERGGDPRRPGKSDELDALLWRAARPGEPSWPSPFGPGRPGWHVECAAIALSR
IGSGLDIQGGGSDLIFPHHEFTAAHAECVSGERRFARHYVHAGMIGWDGHKMSKSRGNLV
LVSALRAQDVEPSAVRLGLLAGHYRADRFWSQQVLDEATARLHRWRTATALPAGPAAVDV
VARVRRYLADDLDTPKAIAALDGWVTDAVEYGGHDAGAPKLVATAIDALLGVDL**

Length=414

A.A.		Parameter								Combined	
		Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	MIN	AVG
1	M	-0.186	-0.915	-0.242	-0.864	1.750	0.255	-2.558	1.750	-2.558	-0.395
2	Q	-0.307	-0.442	0.468	-0.661	1.668	0.214	-1.216	1.668	-1.216	-0.039
3	S	-0.218	-0.574	0.711	-0.408	1.257	0.172	0.416	1.257	-0.574	0.194
4	W	-0.085	-1.526	1.412	-0.236	1.212	0.131	1.646	1.646	-1.526	0.365
5	Y	0.313	-0.665	1.664	0.055	1.440	0.133	1.921	1.921	-0.665	0.694
6	C	-0.300	-0.354	1.216	0.237	1.057	0.092	2.347	2.347	-0.354	0.613
7	P	-0.578	-0.595	1.309	0.341	1.175	0.091	2.407	2.407	-0.595	0.593
8	P	-0.180	-0.595	1.169	0.168	1.148	0.067	2.973	2.973	-0.595	0.679
9	V	-0.642	-0.326	0.832	-0.278	0.920	0.053	3.076	3.076	-0.642	0.520
10	P	-0.597	0.584	1.290	-0.729	1.285	0.054	2.674	2.674	-0.729	0.651
11	V	-0.370	0.852	1.038	-1.022	0.966	0.035	2.454	2.454	-1.022	0.565
12	L	-0.237	1.307	1.225	-1.216	1.166	0.641	2.234	2.234	-1.216	0.731
13	P	0.357	2.002	1.337	-1.269	1.130	0.639	1.645	2.002	-1.269	0.835
14	G	0.357	1.439	1.337	-1.344	1.130	0.639	1.645	1.645	-1.344	0.743
15	R	0.971	1.625	1.786	-1.262	1.513	0.680	1.220	1.786	-1.262	0.933
16	G	0.971	0.608	1.786	-1.060	1.513	0.680	1.220	1.786	-1.060	0.817
17	P	1.103	-0.426	1.973	-1.012	1.713	1.286	0.999	1.973	-1.012	0.805
18	Q	0.161	-0.246	1.898	-1.200	1.768	1.291	1.434	1.898	-1.200	0.729
19	L	-0.224	0.119	1.720	-1.600	1.531	0.686	1.766	1.766	-1.600	0.571
20	R	0.048	0.323	2.001	-1.699	1.895	1.175	1.757	2.001	-1.699	0.786
21	L	0.326	0.049	1.907	-1.229	1.777	1.176	1.697	1.907	-1.229	0.815
22	Y	0.079	1.066	1.580	-0.383	1.403	1.134	0.524	1.580	-0.383	0.772
23	D	1.293	1.964	1.935	0.609	1.713	1.617	0.080	1.964	0.080	1.316
24	S	1.293	1.329	1.935	0.881	1.713	1.617	0.080	1.935	0.080	1.264
25	A	2.254	1.287	2.346	0.733	2.078	1.654	-0.192	2.346	-0.192	1.451
26	D	2.140	1.646	1.973	0.125	1.832	1.636	0.065	2.140	0.065	1.345
27	R	1.774	1.010	2.132	-0.573	1.987	1.772	0.073	2.132	-0.573	1.168
28	Q	1.495	0.197	2.225	-1.110	2.105	1.771	0.133	2.225	-1.110	0.974
29	V	1.129	0.065	2.103	-1.334	2.096	1.773	1.732	2.103	-1.334	1.080
30	R	0.629	0.788	1.832	-1.509	1.777	1.284	0.731	1.832	-1.509	0.790
31	P	0.496	0.830	1.646	-1.290	1.576	0.678	0.951	1.646	-1.290	0.698
32	V	0.477	1.303	1.309	-1.193	1.157	0.636	0.788	1.309	-1.193	0.640
33	A	1.122	1.399	1.580	-0.832	1.321	0.654	0.360	1.580	-0.832	0.801
34	P	1.217	1.890	1.599	-0.554	1.485	0.624	0.425	1.890	-0.554	0.955
35	G	1.217	1.417	1.356	-0.431	1.212	0.605	-0.805	1.417	-0.805	0.653
36	S	1.780	0.383	1.674	-0.491	1.376	0.623	-1.353	1.780	-1.353	0.570
37	K	1.382	-0.568	1.664	-0.858	1.422	0.641	-0.398	1.664	-0.858	0.469
38	A	1.129	-1.364	1.674	-1.305	1.385	0.641	-0.286	1.674	-1.364	0.268
39	T	0.534	-0.737	1.561	-1.586	1.422	0.643	0.303	1.561	-1.586	0.306
40	M	0.212	-1.552	1.197	-1.644	1.175	0.640	0.765	1.197	-1.644	0.113
41	Y	0.212	-0.947	0.739	-1.468	0.492	0.046	0.701	0.739	-1.468	-0.032
42	V	-0.427	-0.182	0.599	-1.263	0.474	0.047	2.032	2.032	-1.263	0.183
43	C	-0.427	-0.492	0.599	-1.198	0.474	0.047	2.032	2.032	-1.198	0.148
44	G	-0.028	0.011	0.851	-1.093	0.701	0.049	2.308	2.308	-1.093	0.400
45	I	-0.028	-0.617	0.851	-1.059	0.701	0.049	2.308	2.308	-1.059	0.315
46	T	0.838	0.199	1.244	-0.548	1.030	0.537	1.710	1.710	-0.548	0.716
47	P	0.882	-0.202	1.459	-0.149	1.121	0.519	0.077	1.459	-0.202	0.530
48	Y	0.850	-0.765	1.664	0.266	1.321	0.539	0.118	1.664	-0.765	0.571
49	D	1.489	0.269	1.963	0.632	1.513	1.157	0.064	1.963	0.064	1.012
50	A	0.579	-0.180	1.683	0.688	1.367	1.142	0.458	1.683	-0.180	0.819
51	T	0.806	-0.180	1.431	0.693	1.048	1.123	0.238	1.431	-0.180	0.737
52	H	1.059	-0.671	1.337	0.848	0.984	1.724	0.173	1.724	-0.671	0.779

53 L	0.560	-0.270	1.066	0.616	0.665	1.235	-0.828	1.235	-0.828	0.435
54 G	0.560	-0.472	1.066	0.491	0.665	1.235	-0.828	1.235	-0.828	0.388
55 H	0.560	-1.196	1.066	0.264	0.665	1.235	-0.828	1.235	-1.196	0.252
56 A	0.307	-0.795	1.160	-0.199	0.729	0.634	-0.763	1.160	-0.795	0.153
57 A	0.655	-0.969	1.122	-0.592	0.711	0.631	-0.609	1.122	-0.969	0.135
58 T	0.623	-0.430	1.328	-0.814	0.911	0.650	-0.569	1.328	-0.814	0.243
59 Y	-0.092	-1.125	1.103	-0.998	0.692	0.035	-0.585	1.103	-1.125	-0.138
60 V	0.408	-1.043	1.375	-0.588	1.011	0.524	0.416	1.375	-1.043	0.300
61 T	-0.307	-0.857	1.290	-0.234	1.020	0.529	1.861	1.861	-0.857	0.472
62 F	-1.141	-0.534	0.954	-0.079	0.847	0.511	2.142	2.142	-1.141	0.386
63 D	-0.888	-0.564	0.860	0.026	0.784	1.112	2.077	2.077	-0.888	0.487
64 L	-0.389	-1.606	1.412	-0.210	1.267	1.735	1.488	1.735	-1.606	0.528
65 I	-1.299	-1.606	1.132	-0.425	1.121	1.720	1.882	1.882	-1.606	0.361
66 H	-1.350	-0.743	1.216	-0.687	1.185	1.741	1.653	1.741	-1.350	0.431
67 R	-2.564	-1.037	0.860	-1.184	0.875	1.258	2.097	2.097	-2.564	0.044
68 L	-1.350	-1.224	1.216	-1.466	1.185	1.741	1.653	1.741	-1.466	0.251
69 W	-1.426	-0.929	1.272	-1.507	1.212	1.745	1.766	1.766	-1.507	0.305
70 L	-1.198	0.149	1.103	-1.347	0.993	1.125	1.499	1.499	-1.347	0.332
71 D	-1.331	0.149	0.832	-0.628	0.692	1.120	1.768	1.768	-1.331	0.372
72 L	-0.256	-0.300	1.244	-0.198	1.048	1.714	1.306	1.714	-0.300	0.651
73 G	-0.205	-0.502	1.141	0.025	1.039	1.694	1.719	1.719	-0.502	0.701
74 H	0.509	-1.226	1.384	0.321	1.203	2.309	1.551	2.309	-1.226	0.865
75 E	-0.243	-0.825	1.365	0.262	1.121	1.839	1.893	1.893	-0.825	0.773
76 L	0.104	-0.791	1.328	0.316	1.103	1.835	2.046	2.046	-0.791	0.849
77 H	0.123	-0.911	1.664	0.284	1.522	1.878	2.209	2.209	-0.911	0.967
78 Y	0.433	-0.510	1.804	0.315	1.658	1.299	1.829	1.829	-0.510	0.976
79 V	-0.566	0.435	1.337	0.310	1.276	0.701	2.177	2.177	-0.566	0.810
80 Q	0.345	0.207	1.617	0.583	1.422	0.715	1.783	1.783	0.207	0.953
81 N	0.844	0.255	1.730	0.630	1.567	0.584	1.506	1.730	0.255	1.017
82 I	0.459	0.185	1.337	0.540	1.312	0.567	1.496	1.496	0.185	0.842
83 T	1.325	0.868	1.730	0.469	1.640	1.054	0.898	1.730	0.469	1.141
84 D	1.578	0.173	1.674	0.562	1.586	1.501	0.726	1.674	0.173	1.114
85 I	1.268	-0.540	1.617	0.780	1.549	1.479	1.059	1.617	-0.540	1.030
86 D	1.192	0.359	1.674	1.136	1.576	1.483	1.172	1.674	0.359	1.227
87 D	0.281	0.634	1.412	1.159	1.376	1.467	1.383	1.467	0.281	1.102
88 P	0.142	0.095	1.468	0.492	1.422	1.578	1.365	1.578	0.095	0.937
89 L	0.914	0.275	2.038	-0.258	1.914	2.201	1.043	2.201	-0.258	1.161
90 F	0.414	1.293	1.767	-1.199	1.595	1.712	0.042	1.767	-1.199	0.803
91 E	0.414	2.006	1.767	-1.523	1.595	1.712	0.042	2.006	-1.523	0.859
92 R	0.547	2.058	1.954	-1.561	1.795	2.317	-0.179	2.317	-1.561	0.990
93 A	1.761	1.149	2.309	-0.893	2.105	2.801	-0.623	2.801	-0.893	1.230
94 D	2.703	1.688	2.365	-0.418	2.105	2.797	-0.874	2.797	-0.874	1.481
95 R	1.976	0.646	1.917	-0.040	1.731	2.199	-0.259	2.199	-0.259	1.167
96 D	2.343	0.646	1.758	0.074	1.576	2.063	-0.267	2.343	-0.267	1.170
97 G	1.578	0.646	1.776	-0.047	1.595	2.088	0.765	2.088	-0.047	1.200
98 V	1.211	-0.186	1.935	-0.388	1.750	2.224	0.773	2.224	-0.388	1.046
99 D	1.578	-0.090	1.776	-0.356	1.595	2.088	0.765	2.088	-0.356	1.051
100W	0.364	-0.138	1.421	-0.617	1.285	1.605	1.209	1.605	-0.617	0.733
101R	0.136	0.365	1.431	-0.689	1.330	1.605	0.199	1.605	-0.689	0.625
102D	0.749	0.127	1.879	-0.736	1.713	1.645	-0.227	1.879	-0.736	0.736
103L	0.250	-0.508	1.608	-1.008	1.394	1.156	-1.228	1.608	-1.228	0.238
104A	1.375	-0.304	1.917	-1.239	1.741	1.731	-1.276	1.917	-1.276	0.563
105Q	0.876	-0.508	1.365	-1.473	1.257	1.108	-0.687	1.365	-1.473	0.277
106A	0.376	-1.174	1.094	-1.841	0.938	0.619	-1.688	1.094	-1.841	-0.239
107E	0.376	-1.138	1.094	-2.037	0.938	0.619	-1.688	1.094	-2.037	-0.262
108V	-0.338	-1.138	1.029	-2.075	0.893	0.623	-0.427	1.029	-2.075	-0.205
109A	-0.629	-0.502	0.487	-1.856	0.428	0.598	0.032	0.598	-1.856	-0.206
110L	-0.269	-0.617	0.814	-1.425	0.793	1.198	1.016	1.198	-1.425	0.216
111F	-0.129	-0.412	0.758	-0.708	0.747	1.087	1.034	1.087	-0.708	0.339

112C	-0.161	-0.238	0.870	-0.358	0.802	1.103	0.390	1.103	-0.358	0.344
113E	-0.161	-0.478	0.870	-0.266	0.802	1.103	0.390	1.103	-0.478	0.323
114D	0.553	-0.240	0.954	-0.653	0.793	1.097	-1.055	1.097	-1.055	0.207
115M	0.553	-0.875	0.935	-1.253	0.847	1.099	-0.872	1.099	-1.253	0.062
116A	0.730	-0.965	1.580	-1.947	1.412	1.706	-1.495	1.706	-1.947	0.146
117A	0.003	-0.607	1.132	-2.259	1.039	1.108	-0.880	1.132	-2.259	-0.066
118L	-1.211	-0.248	0.776	-2.578	0.729	0.624	-0.436	0.776	-2.578	-0.335
119R	-0.812	0.447	1.029	-2.362	0.957	0.626	-0.161	1.029	-2.362	-0.040
120V	-0.812	0.173	1.272	-1.946	1.230	0.645	1.069	1.272	-1.946	0.233
121L	-0.566	-0.138	1.599	-1.245	1.604	0.687	2.243	2.243	-1.245	0.598
122P	0.648	-0.030	1.954	-0.314	1.914	1.171	1.799	1.954	-0.314	1.020
123P	0.263	0.239	1.776	0.384	1.677	0.565	2.132	2.132	0.239	1.005
124Q	0.263	-0.120	1.776	0.653	1.677	0.565	2.132	2.132	-0.120	0.992
125D	1.205	-0.120	1.851	0.421	1.622	0.560	1.697	1.851	-0.120	1.034
126Y	1.205	-0.084	1.608	-0.266	1.349	0.541	0.467	1.608	-0.266	0.689
127V	1.401	0.323	1.561	-0.924	1.230	0.542	0.288	1.561	-0.924	0.632
128G	1.514	0.095	1.561	-1.337	1.221	1.099	0.098	1.561	-1.337	0.607
129A	1.015	-0.532	1.290	-1.535	0.902	0.610	-0.903	1.290	-1.535	0.121
130T	0.629	0.043	0.898	-1.678	0.647	0.593	-0.913	0.898	-1.678	0.031
131E	0.996	-0.562	1.019	-1.909	0.656	0.591	-2.512	1.019	-2.512	-0.246
132A	1.129	-1.234	1.356	-2.303	1.066	1.191	-2.539	1.356	-2.539	-0.191
133I	0.730	-0.659	1.346	-2.595	1.112	1.208	-1.584	1.346	-2.595	-0.063
134A	0.168	-0.538	1.029	-2.784	0.948	1.190	-1.036	1.190	-2.784	-0.146
135E	0.168	-0.863	1.029	-2.788	0.948	1.190	-1.036	1.190	-2.788	-0.193
136M	-0.547	-0.863	0.945	-2.771	0.957	1.195	0.409	1.195	-2.771	-0.096
137V	-0.547	0.083	0.945	-2.753	0.957	1.195	0.409	1.195	-2.753	0.041
138E	-0.186	0.065	1.272	-2.773	1.321	1.794	1.393	1.794	-2.773	0.412
139L	-0.319	-0.715	1.393	-2.852	1.595	1.790	1.484	1.790	-2.852	0.339
140I	-0.319	-0.510	1.393	-2.925	1.595	1.790	1.484	1.790	-2.925	0.358
141E	-0.667	-0.150	1.431	-2.995	1.613	1.793	1.331	1.793	-2.995	0.337
142K	-1.027	-0.098	1.103	-2.981	1.248	1.194	0.347	1.248	-2.981	-0.030
143M	-0.357	-0.929	0.973	-2.693	1.148	1.206	0.534	1.206	-2.693	-0.017
144L	0.509	-0.815	1.103	-2.225	1.121	1.204	0.213	1.204	-2.225	0.159
145A	0.149	-1.017	0.776	-1.660	0.756	0.605	-0.771	0.776	-1.660	-0.166
146C	-0.079	-1.113	0.328	-1.314	0.118	0.010	-1.846	0.328	-1.846	-0.557
147G	0.067	-1.474	0.589	-1.238	0.310	0.012	-1.459	0.589	-1.474	-0.456
148A	0.414	-1.562	0.552	-1.482	0.291	0.009	-1.305	0.552	-1.562	-0.440
149A	-0.224	-0.749	0.412	-1.768	0.273	0.010	0.027	0.412	-1.768	-0.288
150Y	0.319	-0.174	0.898	-1.780	0.683	0.481	-0.605	0.898	-1.780	-0.025
151V	0.225	0.119	1.337	-1.675	1.203	1.106	-0.606	1.337	-1.675	0.244
152I	0.585	0.842	1.664	-1.409	1.567	1.706	0.378	1.706	-1.409	0.762
153D	0.187	1.742	1.655	-1.414	1.613	1.723	1.333	1.742	-1.414	0.977
154R	0.667	0.796	1.393	-1.630	1.330	1.704	1.001	1.704	-1.630	0.752
155E	1.394	0.473	1.842	-2.099	1.704	2.302	0.386	2.302	-2.099	0.857
156M	1.780	0.437	2.234	-2.250	1.959	2.319	0.397	2.319	-2.250	0.982
157G	1.527	0.227	2.290	-2.244	2.014	1.873	0.569	2.290	-2.244	0.894
158E	1.894	-0.807	2.132	-1.535	1.859	1.737	0.561	2.132	-1.535	0.834
159Y	0.895	-1.556	1.664	-0.967	1.476	1.139	0.909	1.664	-1.556	0.509
160Q	1.040	-0.336	1.926	-0.426	1.668	1.141	1.296	1.926	-0.426	0.901
161D	0.098	-0.827	1.870	-0.373	1.668	1.145	1.547	1.870	-0.827	0.733
162I	-0.129	-0.827	1.973	-0.647	1.777	1.171	1.572	1.973	-0.827	0.698
163Y	0.123	-0.502	1.720	-1.098	1.540	1.151	0.230	1.720	-1.098	0.452
164F	0.376	0.395	1.664	-1.161	1.485	1.598	0.058	1.664	-1.161	0.631
165R	-0.123	0.365	1.393	-1.192	1.166	1.109	-0.943	1.393	-1.192	0.254
166A	0.711	0.043	1.730	-0.727	1.339	1.127	-1.224	1.730	-1.224	0.428
167D	0.250	-0.132	1.393	-0.551	1.112	1.113	-1.121	1.393	-1.121	0.295
168A	1.211	-0.044	1.786	-0.509	1.531	1.151	-1.209	1.786	-1.209	0.560
169T	0.364	-0.450	1.290	-0.656	1.011	0.531	-0.957	1.290	-0.957	0.162
170L	0.591	-0.366	1.281	-0.759	0.966	0.531	0.053	1.281	-0.759	0.328

171Q	-0.161	0.694	1.262	-0.897	0.884	0.061	0.394	1.262	-0.897	0.320
172F	0.199	0.830	1.589	-0.898	1.248	0.661	1.378	1.589	-0.898	0.715
173G	0.281	0.598	1.543	-0.886	1.248	0.661	1.497	1.543	-0.886	0.706
174Y	1.224	0.509	1.617	-0.845	1.194	0.655	1.062	1.617	-0.845	0.774
175E	0.724	1.730	1.543	-0.675	1.057	0.632	1.231	1.730	-0.675	0.892
176S	1.938	1.694	1.879	-0.337	1.422	1.117	0.971	1.938	-0.337	1.240
177G	1.843	1.329	2.318	-0.139	1.941	1.742	0.970	2.318	-0.139	1.429
178Y	2.595	0.588	2.337	0.149	2.023	2.211	0.629	2.595	0.149	1.505
179D	2.431	0.790	2.206	0.368	1.813	1.632	0.696	2.431	0.368	1.419
180R	1.755	1.064	2.047	0.316	1.704	1.629	0.481	2.047	0.316	1.285
181D	0.813	0.047	1.973	0.017	1.759	1.634	0.916	1.973	0.017	1.022
182T	1.198	-0.456	2.150	-0.654	1.996	2.240	0.583	2.240	-0.654	1.008
183M	-0.016	-0.372	1.795	-1.642	1.686	1.756	1.027	1.795	-1.642	0.605
184L	-0.193	0.317	1.150	-2.039	1.121	1.149	1.650	1.650	-2.039	0.451
185R	-0.332	1.335	1.206	-2.191	1.166	1.260	1.632	1.632	-2.191	0.582
186L	-0.167	1.149	1.337	-1.880	1.376	1.839	1.565	1.839	-1.880	0.746
187C	0.364	1.980	1.776	-1.643	1.804	2.447	1.620	2.447	-1.643	1.193
188E	1.306	2.483	1.851	-1.699	1.750	2.441	1.185	2.483	-1.699	1.331
189E	1.401	2.267	1.412	-1.949	1.230	1.817	1.186	2.267	-1.949	1.052
190R	2.614	2.505	1.767	-1.768	1.540	2.300	0.742	2.614	-1.768	1.386
191G	2.659	2.505	2.225	-1.291	1.905	2.302	0.340	2.659	-1.291	1.521
192G	2.431	2.237	2.328	-0.532	2.014	2.327	0.365	2.431	-0.532	1.596
193D	2.203	2.237	2.431	-0.160	2.123	2.352	0.391	2.431	-0.160	1.654
194P	2.071	2.529	2.244	-0.222	1.923	1.746	0.612	2.529	-0.222	1.557
195R	2.071	3.026	2.244	-0.733	1.923	1.746	0.612	3.026	-0.733	1.555
196R	2.071	2.751	2.702	-1.124	2.606	2.341	0.676	2.751	-1.124	1.718
197P	1.849	2.513	2.580	-1.163	2.442	1.872	0.845	2.580	-1.163	1.563
198G	2.349	1.950	2.608	-0.738	2.488	2.342	0.616	2.608	-0.738	1.659
199K	2.577	1.862	2.505	-0.192	2.379	2.317	0.591	2.577	-0.192	1.720
200S	1.729	1.030	1.991	0.208	1.914	1.697	1.027	1.991	0.208	1.371
201D	2.229	-0.030	2.019	0.316	1.959	2.167	0.798	2.229	-0.030	1.351
202E	2.001	-0.773	2.029	0.031	2.005	2.167	-0.213	2.167	-0.773	1.035
203L	1.059	-1.851	1.496	-0.288	1.376	1.578	0.157	1.578	-1.851	0.504
204D	0.067	-0.833	1.262	-0.754	1.230	1.563	0.432	1.563	-0.833	0.424
205A	-1.198	-1.372	1.010	-1.274	0.929	1.100	0.464	1.100	-1.372	-0.049
206L	-1.426	-1.372	1.113	-1.840	1.039	1.125	0.489	1.125	-1.840	-0.125
207L	-0.711	-0.354	1.197	-2.265	1.030	1.119	-0.956	1.197	-2.265	-0.134
208W	-1.211	0.209	0.926	-2.593	0.711	0.631	-1.957	0.926	-2.593	-0.469
209R	-1.078	1.339	1.356	-2.577	1.185	1.255	-0.948	1.356	-2.577	0.076
210A	-0.363	1.101	1.683	-2.334	1.449	1.269	-1.163	1.683	-2.334	0.234
211A	0.579	1.459	1.758	-2.037	1.394	1.263	-1.598	1.758	-2.037	0.403
212R	1.704	2.315	2.066	-1.682	1.741	1.838	-1.646	2.315	-1.682	0.905
213P	1.571	0.998	1.879	-1.295	1.540	1.232	-1.425	1.879	-1.425	0.643
214G	1.849	0.998	2.029	-0.858	1.695	1.252	-0.255	2.029	-0.858	0.959
215E	1.084	1.227	2.047	-0.536	1.713	1.277	0.777	2.047	-0.536	1.084
216P	0.952	1.010	1.860	-0.063	1.513	0.672	0.998	1.860	-0.063	0.992
217S	1.230	0.477	1.767	0.243	1.394	0.673	0.938	1.767	0.243	0.960
218W	1.002	0.249	2.019	0.555	1.713	0.692	1.157	2.019	0.249	1.055
219P	-0.073	1.111	1.627	0.811	1.303	0.096	1.435	1.627	-0.073	0.901
220S	0.155	1.379	1.375	0.863	0.984	0.077	1.215	1.379	0.077	0.864
221P	-0.123	1.337	1.468	0.695	1.103	0.076	1.275	1.468	-0.123	0.833
222F	0.869	1.337	1.440	0.338	1.039	0.051	1.253	1.440	0.051	0.904
223G	1.002	2.138	1.627	-0.220	1.239	0.657	1.032	2.138	-0.220	1.068
224P	0.724	1.008	1.720	-0.629	1.358	0.656	1.093	1.720	-0.629	0.847
225G	0.952	0.740	1.468	-0.916	1.039	0.637	0.873	1.468	-0.916	0.685
226R	0.901	0.017	1.552	-1.103	1.103	0.658	0.644	1.552	-1.103	0.539
227P	0.673	-0.222	1.720	-0.824	1.321	1.278	0.911	1.720	-0.824	0.694
228G	0.307	-0.544	1.356	-0.596	1.039	1.260	1.280	1.356	-0.596	0.586
229W	0.440	-1.172	1.692	-0.245	1.449	1.860	1.253	1.860	-1.172	0.754

230H	0.263	-0.669	1.047	-0.024	0.884	1.253	1.876	1.876	-0.669	0.661
231V	0.263	-1.083	0.804	-0.240	0.610	1.234	0.646	1.234	-1.083	0.319
232E	0.035	-0.987	0.814	-0.595	0.656	1.234	-0.364	1.234	-0.987	0.113
233C	0.161	-1.767	0.655	-1.029	0.619	1.210	-0.065	1.210	-1.767	-0.031
234A	0.161	-0.947	0.496	-1.647	0.446	0.591	-1.342	0.591	-1.647	-0.320
235A	-0.186	-0.134	0.533	-2.120	0.465	0.594	-1.496	0.594	-2.120	-0.335
236I	-0.269	-0.458	0.356	-2.168	0.255	0.015	-1.310	0.356	-2.168	-0.511
237A	-0.092	0.493	1.001	-2.082	0.820	0.622	-1.933	1.001	-2.082	-0.167
238L	-0.730	1.349	0.860	-1.671	0.802	0.624	-0.601	1.349	-1.671	0.090
239S	-0.503	2.180	0.851	-1.534	0.756	0.624	0.409	2.180	-1.534	0.398
240R	0.414	1.121	1.141	-1.430	0.929	0.642	0.247	1.141	-1.430	0.438
241I	0.642	0.846	1.132	-1.452	0.884	0.642	1.258	1.258	-1.452	0.564
242G	0.642	0.846	1.132	-1.167	0.884	0.642	1.258	1.258	-1.167	0.605
243S	0.863	0.710	1.253	-0.772	1.048	1.111	1.089	1.253	-0.772	0.757
244G	0.092	0.481	0.683	-0.578	0.556	0.488	1.412	1.412	-0.578	0.448
245L	0.977	0.481	1.150	-0.493	0.948	0.528	1.253	1.253	-0.493	0.692
246D	0.977	1.313	1.150	-0.673	0.948	0.528	1.253	1.313	-0.673	0.785
247I	0.926	1.629	0.991	-0.921	0.747	0.508	1.094	1.629	-0.921	0.711
248Q	0.926	2.493	0.991	-1.168	0.747	0.508	1.094	2.493	-1.168	0.799
249G	1.919	1.798	1.225	-1.058	0.893	0.523	0.819	1.919	-1.058	0.874
250G	1.919	0.846	1.225	-0.762	0.893	0.523	0.819	1.919	-0.762	0.780
251G	1.843	0.045	1.281	-0.093	0.920	0.527	0.932	1.843	-0.093	0.779
252S	0.958	-0.224	0.814	0.212	0.528	0.486	1.090	1.090	-0.224	0.552
253D	0.016	-0.989	0.758	0.088	0.528	0.490	1.341	1.341	-0.989	0.319
254L	-0.212	-1.438	1.010	-0.423	0.847	0.509	1.561	1.561	-1.438	0.265
255I	-0.439	-0.659	1.178	-0.472	1.066	1.129	1.828	1.828	-0.659	0.519
256F	-0.717	-0.508	1.188	0.270	1.084	1.729	1.935	1.935	-0.717	0.711
257P	-0.857	0.157	1.244	1.328	1.130	1.840	1.918	1.918	-0.857	0.966
258H	-0.857	-0.202	1.262	2.182	1.075	1.838	1.734	2.182	-0.857	1.005
259H	-0.022	-0.292	1.599	2.095	1.248	1.856	1.453	2.095	-0.292	1.134
260E	0.692	-0.292	1.664	1.187	1.294	1.852	0.192	1.852	-0.292	0.941
261F	0.692	-0.867	1.421	0.136	1.020	1.833	-1.038	1.833	-1.038	0.457
262T	0.692	-0.118	1.421	-0.333	1.020	1.833	-1.038	1.833	-1.038	0.497
263A	0.692	-0.572	1.262	-0.506	0.847	1.213	-2.316	1.262	-2.316	0.089
264A	0.692	-0.669	1.262	-0.197	0.847	1.213	-2.316	1.262	-2.316	0.119
265H	1.363	0.187	1.113	-0.044	0.802	1.227	-1.944	1.363	-1.944	0.386
266A	0.800	0.724	0.795	-0.212	0.638	1.209	-1.397	1.209	-1.397	0.365
267E	1.078	1.299	0.945	-0.303	0.793	1.229	-0.227	1.299	-0.303	0.688
268C	1.306	1.537	0.935	-0.329	0.747	1.229	0.784	1.537	-0.329	0.887
269V	1.666	2.315	1.103	-0.399	0.938	1.208	0.490	2.315	-0.399	1.046
270S	1.799	2.237	1.533	-0.554	1.412	1.833	1.499	2.237	-0.554	1.394
271G	1.571	1.381	1.636	-1.036	1.522	1.858	1.525	1.858	-1.036	1.208
272E	0.901	1.567	1.786	-1.686	1.567	1.845	1.154	1.845	-1.686	1.019
273R	1.268	1.082	1.907	-1.991	1.576	1.843	-0.445	1.907	-1.991	0.749
274R	1.122	-0.138	2.188	-2.119	1.895	2.448	-0.606	2.448	-2.119	0.684
275F	0.895	-1.047	2.356	-1.599	2.114	3.067	-0.339	3.067	-1.599	0.778
276A	0.281	-0.783	2.281	-1.042	1.987	2.487	0.020	2.487	-1.042	0.747
277R	-0.218	-0.783	1.730	-0.428	1.504	1.864	0.609	1.864	-0.783	0.611
278H	-0.351	-0.969	1.459	0.259	1.203	1.859	0.877	1.859	-0.969	0.620
279Y	0.364	-1.174	1.524	0.489	1.248	1.855	-0.384	1.855	-1.174	0.560
280V	0.591	-1.091	1.515	0.532	1.203	1.855	0.627	1.855	-1.091	0.747
281H	0.060	-0.368	1.075	0.180	0.774	1.248	0.572	1.248	-0.368	0.506
282A	-0.578	-0.961	0.776	-0.699	0.583	0.630	0.627	0.776	-0.961	0.054
283G	-0.098	-0.422	0.515	-1.619	0.300	0.610	0.295	0.610	-1.619	-0.060
284M	-0.496	-0.422	0.655	-2.313	0.328	0.634	-0.272	0.655	-2.313	-0.269
285I	0.003	-0.218	0.767	-2.455	0.474	0.503	-0.548	0.767	-2.455	-0.211
286G	0.231	0.938	0.758	-1.922	0.428	0.503	0.462	0.938	-1.922	0.200
287W	0.003	0.197	0.926	-0.798	0.647	1.123	0.730	1.123	-0.798	0.404
288D	0.629	1.555	1.384	0.057	1.239	1.700	0.850	1.700	0.057	1.059

289G	0.869	1.848	1.515	0.524	1.303	1.716	0.473	1.848	0.473	1.178
290H	0.920	2.076	1.674	0.376	1.504	1.736	0.632	2.076	0.376	1.274
291K	1.913	2.800	2.103	-0.135	2.123	2.305	0.675	2.800	-0.135	1.684
292M	1.691	2.595	1.982	-0.522	1.959	1.836	0.844	2.595	-0.522	1.484
293S	1.597	3.319	2.421	-0.569	2.479	2.461	0.843	3.319	-0.569	1.793
294K	1.824	2.259	2.253	-0.587	2.260	1.841	0.576	2.260	-0.587	1.489
295S	1.906	1.331	2.103	-0.260	1.932	1.287	0.398	2.103	-0.260	1.242
296R	1.590	0.271	2.029	-0.039	1.895	1.275	0.888	2.029	-0.039	1.130
297G	0.945	-0.639	1.758	0.073	1.731	1.257	1.317	1.758	-0.639	0.920
298N	0.003	-0.410	1.225	0.049	1.103	0.668	1.687	1.687	-0.410	0.618
299L	-0.642	-1.019	0.954	-0.554	0.938	0.649	2.116	2.116	-1.019	0.349
300V	-0.496	-1.019	0.674	-1.069	0.619	0.044	2.276	2.276	-1.069	0.147
301L	-0.724	-0.110	0.683	-1.325	0.665	0.044	1.266	1.266	-1.325	0.071
302V	-1.748	0.095	0.300	-1.347	0.364	0.009	1.814	1.814	-1.748	-0.073
303S	-0.901	0.682	0.814	-1.188	0.829	0.629	1.378	1.378	-1.188	0.320
304A	-0.534	0.365	0.935	-1.400	0.838	0.627	-0.221	0.935	-1.400	0.087
305L	0.427	0.269	1.346	-1.766	1.203	0.664	-0.492	1.346	-1.766	0.236
306R	1.293	1.048	1.739	-1.652	1.531	1.151	-1.090	1.739	-1.652	0.574
307A	0.648	0.594	1.468	-1.308	1.367	1.133	-0.661	1.468	-1.308	0.463
308Q	1.009	1.449	1.795	-0.673	1.731	1.732	0.323	1.795	-0.673	1.052
309D	1.723	0.958	2.122	-0.325	1.996	1.746	0.108	2.122	-0.325	1.190
310V	1.868	0.323	1.842	-0.191	1.677	1.141	0.268	1.868	-0.191	0.990
311E	1.868	1.233	1.842	-0.215	1.677	1.141	0.268	1.868	-0.215	1.116
312P	1.255	0.453	1.393	-0.150	1.294	1.101	0.694	1.393	-0.150	0.863
313S	0.888	0.722	1.552	-0.421	1.449	1.236	0.702	1.552	-0.421	0.875
314A	0.541	-0.338	1.589	-0.929	1.467	1.240	0.548	1.589	-0.929	0.588
315V	0.408	-0.542	1.253	-1.625	1.057	0.641	0.575	1.253	-1.625	0.252
316R	-0.307	-0.446	0.926	-2.176	0.793	0.627	0.790	0.926	-2.176	0.029
317L	-1.299	-0.633	0.692	-2.433	0.647	0.612	1.065	1.065	-2.433	-0.193
318G	-1.299	-0.338	0.692	-2.398	0.647	0.612	1.065	1.065	-2.398	-0.146
319L	-0.705	-1.372	0.804	-2.345	0.610	0.611	0.476	0.804	-2.345	-0.274
320L	-0.838	-0.354	0.533	-1.866	0.310	0.606	0.745	0.745	-1.866	-0.123
321A	-0.376	-0.150	0.870	-1.207	0.537	0.620	0.642	0.870	-1.207	0.134
322G	-0.471	0.389	1.309	-0.447	1.057	1.245	0.640	1.309	-0.471	0.532
323H	0.244	0.576	1.393	-0.109	1.048	1.239	-0.805	1.393	-0.805	0.512
324Y	1.457	0.311	1.748	-0.111	1.358	1.723	-1.249	1.748	-1.249	0.748
325R	1.590	0.215	2.178	-0.557	1.832	2.347	-0.239	2.347	-0.557	1.052
326A	0.648	0.257	2.122	-0.608	1.832	2.352	0.012	2.352	-0.608	0.945
327D	-0.117	0.748	1.982	-0.794	1.677	1.757	-0.234	1.982	-0.794	0.717
328R	0.414	0.700	1.879	-0.578	1.595	1.758	-0.406	1.879	-0.578	0.766
329F	0.528	-0.210	1.776	-0.525	1.494	1.175	-0.242	1.776	-0.525	0.571
330W	0.775	-0.240	2.103	-0.232	1.868	1.218	0.932	2.103	-0.240	0.918
331S	-0.092	0.802	1.711	-0.195	1.540	0.730	1.530	1.711	-0.195	0.861
332Q	-0.939	0.521	1.197	-0.205	1.075	0.111	1.965	1.965	-0.939	0.532
333Q	0.275	0.031	1.533	-0.459	1.440	0.596	1.705	1.705	-0.459	0.732
334V	1.401	0.031	1.842	-0.699	1.786	1.170	1.657	1.842	-0.699	1.027
335L	1.122	0.127	1.692	-0.825	1.631	1.150	0.487	1.692	-0.825	0.769
336D	1.072	1.145	1.561	-0.761	1.412	1.128	0.364	1.561	-0.761	0.846
337E	0.825	0.401	1.234	-0.859	1.039	1.085	-0.809	1.234	-0.859	0.417
338A	1.325	-0.084	1.786	-1.133	1.522	1.708	-1.399	1.786	-1.399	0.532
339T	1.325	0.730	1.786	-1.446	1.522	1.708	-1.399	1.786	-1.446	0.604
340A	0.825	-0.264	1.674	-1.496	1.376	1.839	-1.123	1.839	-1.496	0.405
341R	0.598	0.550	1.776	-1.304	1.485	1.864	-1.097	1.864	-1.304	0.553
342L	-0.167	0.227	1.795	-0.859	1.504	1.890	-0.065	1.890	-0.859	0.618
343H	-0.231	0.431	2.029	-0.795	1.823	2.494	-0.106	2.494	-0.795	0.806
344R	-0.035	0.832	2.225	-0.931	1.977	2.514	0.945	2.514	-0.931	1.075
345W	-0.167	0.019	1.795	-1.420	1.504	1.890	-0.065	1.890	-1.420	0.508
346R	0.743	0.317	2.075	-1.492	1.649	1.904	-0.459	2.075	-1.492	0.677
347T	0.743	-0.138	1.917	-1.558	1.476	1.284	-1.736	1.917	-1.736	0.284

348A	-0.104	-0.629	1.403	-1.314	1.011	0.665	-1.301	1.403	-1.314	-0.038
349T	0.661	-0.001	1.627	-1.226	1.267	0.659	-1.103	1.627	-1.226	0.269
350A	0.528	-0.134	1.197	-1.249	0.793	0.034	-2.112	1.197	-2.112	-0.135
351L	0.560	-0.134	0.991	-1.293	0.592	0.014	-2.153	0.991	-2.153	-0.203
352P	0.560	0.071	1.234	-1.113	0.866	0.033	-0.923	1.234	-1.113	0.104
353A	0.364	-0.384	1.038	-1.047	0.711	0.013	-1.973	1.038	-1.973	-0.183
354G	0.364	0.155	1.038	-0.998	0.711	0.013	-1.973	1.038	-1.973	-0.099
355P	0.711	-0.568	1.001	-1.101	0.692	0.009	-1.820	1.001	-1.820	-0.154
356A	1.211	-1.023	1.029	-1.137	0.738	0.479	-2.049	1.211	-2.049	-0.107
357A	0.844	-1.023	0.907	-1.105	0.729	0.481	-0.450	0.907	-1.105	0.055
358V	0.250	-0.210	0.795	-0.875	0.765	0.482	0.139	0.795	-0.875	0.192
359D	0.250	-0.210	0.552	-0.879	0.492	0.463	-1.091	0.552	-1.091	-0.060
360V	0.383	0.065	0.982	-1.107	0.966	1.088	-0.082	1.088	-1.107	0.328
361V	0.016	0.974	0.860	-1.644	0.957	1.090	1.517	1.517	-1.644	0.538
362A	0.515	0.664	1.412	-2.115	1.440	1.713	0.927	1.713	-2.115	0.651
363R	0.149	0.459	1.571	-2.535	1.595	1.849	0.935	1.849	-2.535	0.575
364V	0.263	-0.354	1.945	-2.562	1.841	1.866	0.679	1.945	-2.562	0.525
365R	-0.085	0.281	1.982	-2.532	1.859	1.870	0.525	1.982	-2.532	0.557
366R	-0.085	0.007	1.982	-2.404	1.859	1.870	0.525	1.982	-2.404	0.536
367Y	0.281	-1.011	1.823	-1.960	1.704	1.734	0.517	1.823	-1.960	0.441
368L	1.148	-0.066	2.216	-1.220	2.032	2.222	-0.081	2.222	-1.220	0.893
369A	0.300	0.630	1.702	-0.386	1.567	1.603	0.355	1.702	-0.386	0.824
370D	0.667	0.988	1.543	0.564	1.412	1.467	0.347	1.543	0.347	0.998
371D	1.116	1.281	1.487	0.988	1.330	1.467	0.056	1.487	0.056	1.104
372L	1.830	0.742	1.814	1.154	1.595	1.481	-0.160	1.830	-0.160	1.208
373D	2.058	0.622	2.262	0.896	2.233	2.076	0.916	2.262	0.622	1.580
374T	1.559	0.083	1.991	0.413	1.914	1.587	-0.086	1.991	-0.086	1.066
375P	0.421	-0.408	1.580	-0.460	1.576	1.100	0.245	1.580	-0.460	0.579
376K	1.135	-0.971	1.664	-1.246	1.567	1.094	-1.200	1.664	-1.246	0.292
377A	0.636	-1.264	1.393	-2.120	1.248	0.605	-2.201	1.393	-2.201	-0.243
378I	-0.275	-0.637	1.113	-2.496	1.103	0.591	-1.807	1.113	-2.496	-0.344
379A	0.225	-0.815	1.141	-2.309	1.148	1.061	-2.036	1.148	-2.309	-0.227
380A	0.225	-0.911	0.683	-1.778	0.465	0.466	-2.101	0.683	-2.101	-0.422
381L	-0.540	-0.420	0.702	-1.183	0.483	0.491	-1.068	0.702	-1.183	-0.219
382D	-0.269	0.323	0.720	-0.874	0.492	0.491	-0.801	0.720	-0.874	0.012
383G	-0.073	-0.216	0.917	-0.901	0.647	0.511	0.250	0.917	-0.901	0.162
384W	0.427	-0.939	1.188	-0.930	0.966	1.000	1.251	1.251	-0.939	0.423
385V	1.141	0.139	1.272	-0.731	0.957	0.994	-0.194	1.272	-0.731	0.511
386T	0.275	-0.172	0.879	-0.474	0.629	0.507	0.403	0.879	-0.474	0.292
387D	0.408	-0.036	1.216	-0.391	1.039	1.107	0.377	1.216	-0.391	0.531
388A	0.920	0.053	1.449	-0.720	1.257	1.101	0.687	1.449	-0.720	0.678
389V	1.514	0.143	1.561	-1.281	1.221	1.099	0.098	1.561	-1.281	0.622
390E	1.546	0.778	1.356	-1.616	1.020	1.079	0.058	1.546	-1.616	0.603
391Y	1.046	0.203	1.244	-1.363	0.875	1.210	0.334	1.244	-1.363	0.507
392G	1.546	1.237	1.515	-0.501	1.194	1.699	1.335	1.699	-0.501	1.146
393G	1.913	0.610	1.636	0.451	1.203	1.698	-0.264	1.913	-0.264	1.035
394H	1.780	0.341	1.300	1.089	0.793	1.098	-0.237	1.780	-0.237	0.880
395D	2.033	1.082	1.047	0.908	0.556	1.079	-1.579	2.033	-1.579	0.732
396A	1.805	0.339	1.300	0.219	0.875	1.098	-1.360	1.805	-1.360	0.611
397G	1.805	0.243	1.758	-0.597	1.558	1.692	-1.295	1.805	-1.295	0.738
398A	1.091	-0.384	1.515	-1.176	1.394	1.078	-1.127	1.515	-1.176	0.341
399P	0.225	0.107	1.122	-1.509	1.066	0.590	-0.529	1.122	-1.509	0.153
400K	0.225	-0.252	1.122	-1.719	1.066	0.590	-0.529	1.122	-1.719	0.072
401L	0.193	-1.408	1.328	-1.905	1.267	0.610	-0.489	1.328	-1.905	-0.058
402V	0.193	-0.665	1.328	-1.895	1.267	0.610	-0.489	1.328	-1.895	0.050
403A	-0.446	-0.568	0.945	-1.869	0.975	0.593	-0.387	0.975	-1.869	-0.108
404T	-0.174	-0.773	0.767	-1.525	0.656	0.487	-0.461	0.767	-1.525	-0.146
405A	0.541	-1.468	0.851	-1.355	0.647	0.482	-1.906	0.851	-1.906	-0.315
406I	0.193	-0.841	0.889	-1.157	0.665	0.486	-2.060	0.889	-2.060	-0.261

407D	-0.521	-0.613	0.804	-1.137	0.674	0.491	-0.615	0.804	-1.137	-0.131
408A	-0.490	-0.613	0.599	-1.349	0.474	0.471	-0.655	0.599	-1.349	-0.223
409L	-0.857	-0.817	0.477	-1.751	0.465	0.473	0.943	0.943	-1.751	-0.152
410L	0.281	-0.358	0.889	-1.676	0.802	0.960	0.613	0.960	-1.676	0.216
411G	-0.932	0.101	0.533	-1.571	0.492	0.477	1.057	1.057	-1.571	0.022
412V	-1.065	-0.272	0.075	-0.965	0.811	0.537	1.057	1.057	-1.065	0.025
413D	-0.484	0.079	-0.298	-0.596	1.121	0.591	-0.388	1.121	-0.596	0.003
414L	0.098	-0.206	-0.672	-0.422	1.431	0.646	-1.834	1.431	-1.834	-0.137

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]MQSWYCPPVPVLPGRGPQLRLYDSADRQVRPVAPGSKATMYVCGITPYDATHLGHAATYVTFD LIHRLWLDLGHELHYVQNITDIDDPLFERADRDGVDWRDLAQAEVALFCEDMAALRVLPPQDYVG ATEAIAEMVELIEKMLACGAAYVIDREMGEYQDIYFRADATLQFGYESGYDRDTMLRLCEERGGD PRRPGKSDELDALLWRAARPGEPSWPSPFGPGRPGWHVECAAIALSRIGSGLDIQGGGSDLIFP HHEFTAAHAECVSGERRFARHYVHAGMIGWDGHKMSKSRGNLVLVSALRAQDVEPSAVRLGLLA GHYRADRFWSQQVLDEATARLHRWRTATALPAGPAAVDVVARVRRYLADDLDTPKAIAALDGWV TDAVEYGGHDAGAPKLVATAIDALLGVDL[414]
Hydrophilicity	[1]MQSWYCPPVPVLPGRGPQLRLYDSADRQVRPVAPGSKATMYVCGITPYDATHLGHAATYVTFD LIHRLWLDLGHELHYVQNITDIDDPLFERADRDGVDWRDLAQAEVALFCEDMAALRVLPPQDYVG ATEAIAEMVELIEKMLACGAAYVIDREMGEYQDIYFRADATLQFGYESGYDRDTMLRLCEERGGD PRRPGKSDELDALLWRAARPGEPSWPSPFGPGRPGWHVECAAIALSRIGSGLDIQGGGSDLIFP HHEFTAAHAECVSGERRFARHYVHAGMIGWDGHKMSKSRGNLVLVSALRAQDVEPSAVRLGLLA GHYRADRFWSQQVLDEATARLHRWRTATALPAGPAAVDVVARVRRYLADDLDTPKAIAALDGWV TDAVEYGGHDAGAPKLVATAIDALLGVDL[414]
Flexibility	[1]MQSWYCPPVPVLPGRGPQLRLYDSADRQVRPVAPGSKATMYVCGITPYDATHLGHAATYVTFD LIHRLWLDLGHELHYVQNITDIDDPLFERADRDGVDWRDLAQAEVALFCEDMAALRVLPPQDYVG ATEAIAEMVELIEKMLACGAAYVIDREMGEYQDIYFRADATLQFGYESGYDRDTMLRLCEERGGD PRRPGKSDELDALLWRAARPGEPSWPSPFGPGRPGWHVECAAIALSRIGSGLDIQGGGSDLIFP HHEFTAAHAECVSGERRFARHYVHAGMIGWDGHKMSKSRGNLVLVSALRAQDVEPSAVRLGLLA GHYRADRFWSQQVLDEATARLHRWRTATALPAGPAAVDVVARVRRYLADDLDTPKAIAALDGWV TDAVEYGGHDAGAPKLVATAIDALLGVDL[414]

Accessibility	[1]MQSWYCPPVPVLPGRGPQLRLYDSADRQVRPVAPGSKATMYVCGITPYDATHLGHAATYVTFD LIHRLWLDLGHELHYVQNITDIDDPLFERADRDGVDWRDLAQAEVALFCEDMAALRVLPPQDYVG ATEAIAEMVELIEKMLACGAAYVIDREMGEYQDIYFRADATLQFGYESGYDRDTMLRLCEERGGD PRRPGKSDELDALLWRAARPGEPSWPSPFGPGRPGWHVECAAIALSRIGSGLDIQGGGSDLIFP HHEFTAAHAECVSGERRFARHYVHAGMIGWDGHKMSKSRGNLVLVSALRAQDVEPSAVRLGLLA GHYRADRFWSQQVLDEATARLHRWRTATALPAGPAAVDVVARVRRYLADDLDTPKAIAALDGWV TDAVEYGGHDAGAPKLVATAIDALLGVDL[414]
Turns	[1]MQSWYCPPVPVLPGRGPQLRLYDSADRQVRPVAPGSKATMYVCGITPYDATHLGHAATYVTFD LIHRLWLDLGHELHYVQNITDIDDPLFERADRDGVDWRDLAQAEVALFCEDMAALRVLPPQDYVG ATEAIAEMVELIEKMLACGAAYVIDREMGEYQDIYFRADATLQFGYESGYDRDTMLRLCEERGGD PRRPGKSDELDALLWRAARPGEPSWPSPFGPGRPGWHVECAAIALSRIGSGLDIQGGGSDLIFP HHEFTAAHAECVSGERRFARHYVHAGMIGWDGHKMSKSRGNLVLVSALRAQDVEPSAVRLGLLA GHYRADRFWSQQVLDEATARLHRWRTATALPAGPAAVDVVARVRRYLADDLDTPKAIAALDGWV TDAVEYGGHDAGAPKLVATAIDALLGVDL[414]
Exposed Surface	[1]MQSWYCPPVPVLPGRGPQLRLYDSADRQVRPVAPGSKATMYVCGITPYDATHLGHAATYVTFD LIHRLWLDLGHELHYVQNITDIDDPLFERADRDGVDWRDLAQAEVALFCEDMAALRVLPPQDYVG ATEAIAEMVELIEKMLACGAAYVIDREMGEYQDIYFRADATLQFGYESGYDRDTMLRLCEERGGD PRRPGKSDELDALLWRAARPGEPSWPSPFGPGRPGWHVECAAIALSRIGSGLDIQGGGSDLIFP HHEFTAAHAECVSGERRFARHYVHAGMIGWDGHKMSKSRGNLVLVSALRAQDVEPSAVRLGLLA GHYRADRFWSQQVLDEATARLHRWRTATALPAGPAAVDVVARVRRYLADDLDTPKAIAALDGWV TDAVEYGGHDAGAPKLVATAIDALLGVDL[414]
Polarity	[1]MQSWYCPPVPVLPGRGPQLRLYDSADRQVRPVAPGSKATMYVCGITPYDATHLGHAATYVTFD LIHRLWLDLGHELHYVQNITDIDDPLFERADRDGVDWRDLAQAEVALFCEDMAALRVLPPQDYVG ATEAIAEMVELIEKMLACGAAYVIDREMGEYQDIYFRADATLQFGYESGYDRDTMLRLCEERGGD PRRPGKSDELDALLWRAARPGEPSWPSPFGPGRPGWHVECAAIALSRIGSGLDIQGGGSDLIFP HHEFTAAHAECVSGERRFARHYVHAGMIGWDGHKMSKSRGNLVLVSALRAQDVEPSAVRLGLLA GHYRADRFWSQQVLDEATARLHRWRTATALPAGPAAVDVVARVRRYLADDLDTPKAIAALDGWV TDAVEYGGHDAGAPKLVATAIDALLGVDL[414]
Antigenic Propensity	[1]MQSWYCPPVPVLPGRGPQLRLYDSADRQVRPVAPGSKATMYVCGITPYDATHLGHAATYVTFD LIHRLWLDLGHELHYVQNITDIDDPLFERADRDGVDWRDLAQAEVALFCEDMAALRVLPPQDYVG ATEAIAEMVELIEKMLACGAAYVIDREMGEYQDIYFRADATLQFGYESGYDRDTMLRLCEERGGD PRRPGKSDELDALLWRAARPGEPSWPSPFGPGRPGWHVECAAIALSRIGSGLDIQGGGSDLIFP HHEFTAAHAECVSGERRFARHYVHAGMIGWDGHKMSKSRGNLVLVSALRAQDVEPSAVRLGLLA GHYRADRFWSQQVLDEATARLHRWRTATALPAGPAAVDVVARVRRYLADDLDTPKAIAALDGWV TDAVEYGGHDAGAPKLVATAIDALLGVDL[414]

TOP

Home