BcePred Prediction Server

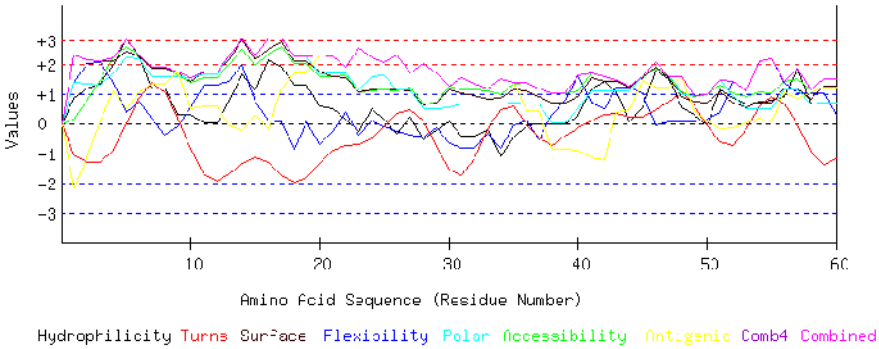
The server displays 1.GRAPHICAL RESULT 2.TABULAR RESULT 3.Overlap Display

seqname=
Seq= VTEKTPDDVFKLAKDEKVEYVDVRFCDLPGIMQHFTIPASAFDKSVFDDGLAFDGSSIRG
FQSIHESDMLLLPDPETARIDPFRAAKTLNINFFVHDPFTLEPYSRDPRNIARKAENYLI
STGIADTAYFGAEAEFYIFDSVSFDSRANGSFYEVDAISGWWNTGAATEADGSPNRGYKV
RHKGGYFPVAPNDQYVDLRDKMLTNLINSGFILEKGHHEVGSGGQAEINYQFNSLLHAAD
DMQLYKYIIKNTAWQNGKTVTFMPKPLFGDNGSGMHCHQSLWKDGAPLMYDETGYAGLSD
TARHYIGGLLHHAPSLLAFTNPTVNSYKRLVPGYEAPINLVYSQRNRSACVRIPITGSNP
KAKRLEFRSPDSSGNPYLAFSAMLMAGLDGIKNKIEPQAPVDKDLYELPPEEAASIPQTP
TQLSDVIDRLEADHEYLTEGGVFTNDLIETWISFKRENEIEPVNIRPHPYEFALYYDV

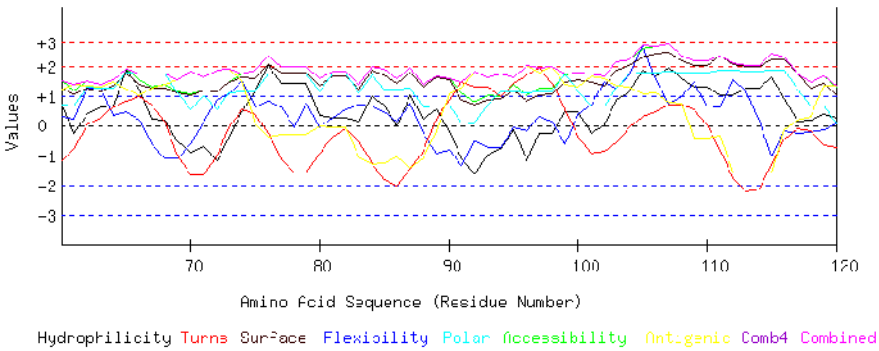
Length=478

GRAPHICAL RESULT

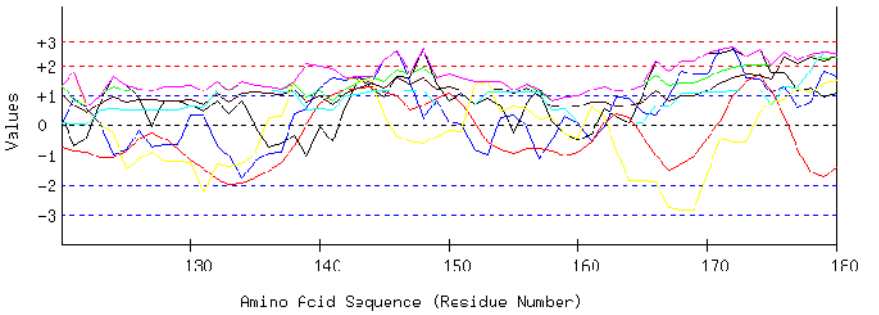
GRAPHICAL RESULT :: SEQ 1 to 60



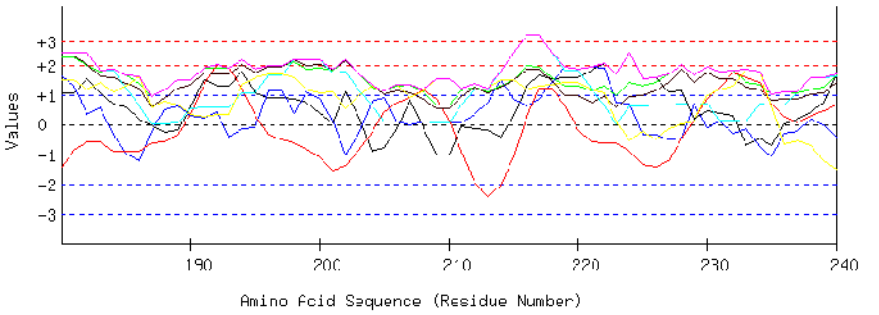
GRAPHICAL RESULT :: SEQ 61 to 120



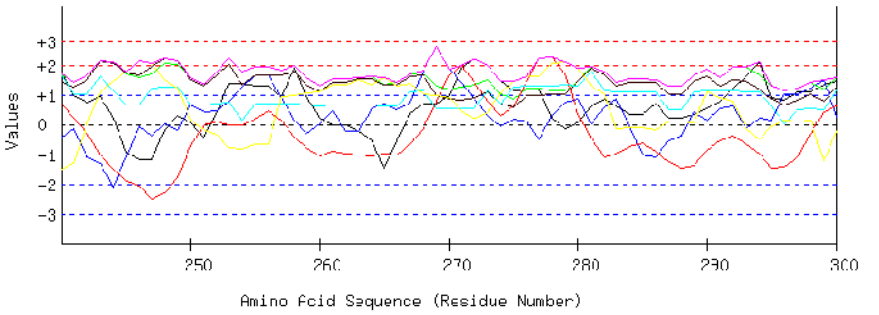
GRAPHICAL RESULT :: SEQ 121 to 180



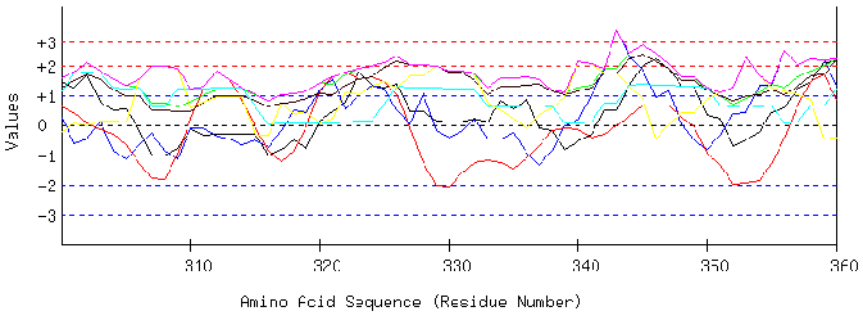
GRAPHICAL RESULT :: SEQ 181 to 240



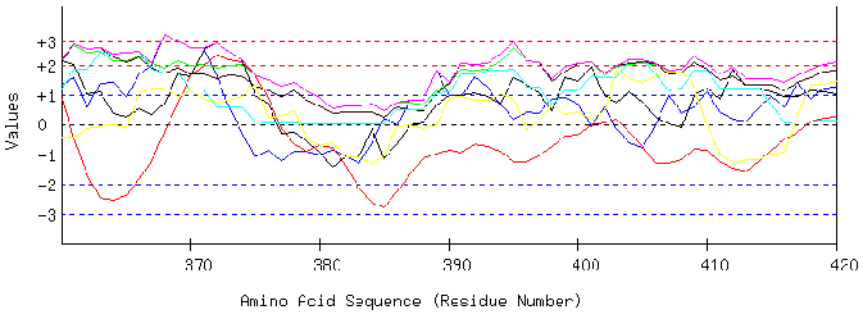
GRAPHICAL RESULT :: SEQ 241 to 300



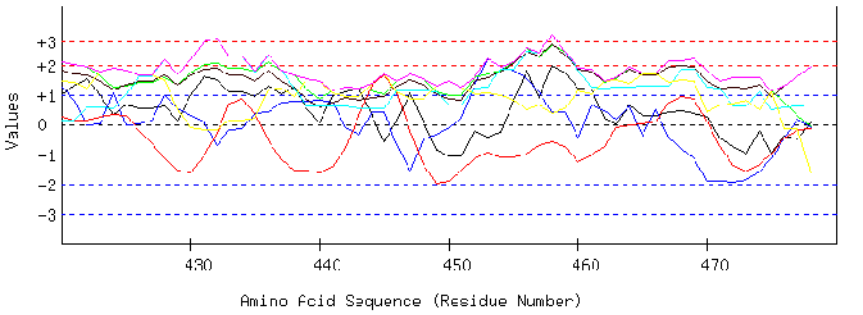
GRAPHICAL RESULT :: SEQ 301 to 360



GRAPHICAL RESULT :: SEQ 361 to 420



GRAPHICAL RESULT :: SEQ 421 to 480



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

VTEKTPDDVFKLAKDEKVEYVDVRFCDLPGIMQHFTIPASAFDKSVFDDGLAFDGSSIRG
FQSIHESDMLLLPDPETARIDPFRAAKTLNINFFVHDPFTLEPYSRDPRNIARKAENYLI
STGIADTAYFGAEAEFYIFDSVSFDSRANGSFYEVDAISGWWNTGAATEADGSPNRGYKV
RHKGGYFPVAPNDQYVDLRDKMLTNLINSGFILEKGHHEVGSGGQAEINYQFNSLLHAAD
DMQLYKYIIKNTAWQNGKTVTFMPKPLFGDNGSGMHCHQSLWKDGAPLMYDETGYAGLSD
TARHYIGGLLHHAPSLLAFTNPTVNSYKRLVPGYEAPINLVYSQRNRSACVRIPITGSNP
KAKRLEFRSPDSSGNPYLAFSAMLMAGLDGIKNKIEPQAPVDKDLYELPPEEAASIPQTP
TQLSDVIDRLEADHEYLTEGGVFTNDLIETWISFKRENEIEPVNIRPHPYEFALYYDV

Length=478

A.A. pppppppppppppppppppppppppppppp Parameter pppppppppppppppppppppppppppppppp Combined

		Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	MIN	AVG
1	V	0.869	1.377	0.122	-1.062	2.306	1.366	-2.180	2.306	-2.180	0.400
2	T	1.198	2.012	0.776	-1.287	2.142	1.326	-1.129	2.142	-1.287	0.720
3	E	1.331	2.060	1.477	-1.302	2.096	1.285	0.101	2.096	-1.302	1.007
4	K	1.963	1.389	2.206	-0.889	2.096	1.713	1.102	2.206	-0.889	1.369
5	T	2.829	0.383	2.599	0.033	2.424	2.201	0.504	2.829	0.033	1.568
6	P	2.267	0.724	2.281	0.844	2.260	2.182	1.052	2.281	0.724	1.659
7	D	1.192	0.161	1.889	1.364	1.850	1.587	1.330	1.889	0.161	1.339
8	D	1.192	-0.378	1.889	1.059	1.850	1.587	1.330	1.889	-0.378	1.218
9	V	0.281	-0.086	1.608	0.171	1.704	1.572	1.724	1.724	-0.086	0.996
10	F	0.281	0.550	1.365	-0.866	1.431	1.554	0.494	1.554	-0.866	0.687
11	K	0.010	1.299	1.543	-1.695	1.750	1.659	0.568	1.750	-1.695	0.733
12	L	0.010	1.299	1.543	-1.920	1.750	1.659	0.568	1.750	-1.920	0.701
13	A	0.737	1.407	1.991	-1.697	2.123	2.257	-0.047	2.257	-1.697	0.967
14	K	1.679	1.982	2.505	-1.321	2.807	2.848	-0.234	2.848	-1.321	1.467
15	D	1.084	0.744	1.935	-1.122	2.160	2.255	0.290	2.255	-1.122	1.049
16	E	2.159	0.109	2.346	-1.307	2.515	2.849	-0.171	2.849	-1.307	1.214
17	K	1.906	0.073	2.599	-1.725	2.752	2.868	1.171	2.868	-1.725	1.378
18	V	1.312	-0.855	2.029	-1.968	2.105	2.275	1.695	2.275	-1.968	0.942
19	E	1.312	0.055	2.029	-1.809	2.105	2.275	1.695	2.275	-1.809	1.094
20	Y	0.585	-0.695	1.580	-1.348	1.731	1.677	2.310	2.310	-1.348	0.834
21	V	0.490	-0.252	1.561	-0.889	1.567	1.707	2.244	2.244	-0.889	0.918
22	D	0.142	0.383	1.617	-0.721	1.531	1.710	1.906	1.906	-0.721	0.938
23	V	-0.262	-0.360	1.075	-0.682	1.075	1.128	2.555	2.555	-0.682	0.647
24	R	0.490	0.095	1.094	-0.510	1.157	1.597	2.214	2.214	-0.510	0.877
25	F	0.142	-0.092	1.132	-0.103	1.175	1.601	2.060	2.060	-0.103	0.845
26	C	-0.357	-0.242	1.103	0.348	1.130	1.131	2.289	2.289	-0.357	0.772
27	D	0.237	-0.392	1.216	0.474	1.093	1.130	1.701	1.701	-0.392	0.780
28	L	-0.534	-0.440	0.646	0.083	0.601	0.507	2.023	2.023	-0.534	0.412
29	P	-0.218	-0.146	0.702	-0.788	0.692	0.520	1.717	1.717	-0.788	0.354
30	G	0.073	-0.679	1.244	-1.535	1.157	0.545	1.258	1.258	-1.535	0.295
31	I	-0.427	-0.815	1.132	-1.749	1.011	0.675	1.534	1.534	-1.749	0.195
32	M	-0.427	-0.815	1.150	-1.181	0.957	0.674	1.350	1.350	-1.181	0.244
33	Q	-0.231	-0.342	1.103	-0.188	0.838	0.675	1.171	1.171	-0.342	0.432
34	H	-1.097	-0.833	0.973	0.470	0.866	0.677	1.493	1.493	-1.097	0.364
35	F	-0.458	-0.068	1.356	0.586	1.157	0.694	1.391	1.391	-0.458	0.665
36	T	-0.060	0.107	1.365	-0.055	1.112	0.677	0.436	1.365	-0.060	0.512
37	I	-0.028	-0.558	1.188	-0.446	0.893	0.655	0.432	1.188	-0.558	0.305
38	P	-0.028	0.305	1.029	-0.740	0.720	0.035	-0.845	1.029	-0.845	0.068
39	A	-0.028	0.778	1.029	-0.437	0.720	0.035	-0.845	1.029	-0.845	0.179
40	S	0.275	1.633	1.103	-0.138	0.884	0.504	-0.895	1.633	-0.895	0.481
41	A	1.141	0.682	1.692	0.106	1.540	1.097	-1.151	1.692	-1.151	0.729
42	F	1.420	0.507	1.599	0.288	1.422	1.098	-1.212	1.599	-1.212	0.732
43	D	1.053	1.221	1.477	0.342	1.412	1.099	0.387	1.477	0.342	0.999
44	K	0.060	1.221	1.262	0.222	1.212	1.083	0.479	1.262	0.060	0.791
45	S	0.560	1.016	1.533	0.213	1.531	1.572	1.480	1.572	0.213	1.129
46	V	1.774	-0.044	1.870	0.480	1.895	2.057	1.220	2.057	-0.044	1.322
47	F	1.502	0.053	1.589	0.747	1.531	1.568	1.229	1.589	0.053	1.174
48	D	0.560	0.053	1.057	1.073	0.902	0.979	1.599	1.599	0.053	0.889
49	D	0.281	0.053	0.907	0.636	0.747	0.959	0.429	0.959	0.053	0.573
50	G	-0.066	0.141	0.963	-0.076	0.711	0.962	0.091	0.963	-0.076	0.389
51	L	1.148	0.369	1.300	-0.633	1.075	1.446	-0.169	1.446	-0.633	0.648
52	A	0.876	1.429	1.019	-0.745	0.711	0.957	-0.160	1.429	-0.745	0.584
53	F	0.655	1.105	0.898	-0.183	0.547	0.488	0.009	1.105	-0.183	0.503
54	D	0.705	2.092	1.057	0.560	0.747	0.509	0.169	2.092	0.169	0.834
55	G	0.781	2.180	1.001	0.881	0.720	0.505	0.056	2.180	0.056	0.875
56	S	0.914	1.379	1.431	0.662	1.194	1.130	1.065	1.431	0.662	1.110
57	S	1.856	1.014	1.487	-0.040	1.194	1.125	0.814	1.856	-0.040	1.064
58	I	0.642	1.014	1.150	-0.930	0.829	0.641	1.074	1.150	-0.930	0.632
59	R	0.661	1.014	1.487	-1.367	1.248	0.683	1.237	1.487	-1.367	0.709
60	G	0.661	0.291	1.487	-1.166	1.248	0.683	1.237	1.487	-1.166	0.634
61	F	-0.256	0.239	1.197	-0.791	1.075	0.665	1.399	1.399	-0.791	0.504
62	Q	0.383	1.269	1.496	0.030	1.267	1.283	1.345	1.496	0.030	1.010
63	S	0.610	1.317	1.393	0.273	1.157	1.258	1.319	1.393	0.273	1.047
64	I	0.661	0.347	1.552	0.617	1.358	1.278	1.479	1.552	0.347	1.042
65	H	1.875	0.467	1.889	0.838	1.722	1.763	1.219	1.889	0.467	1.396
66	E	1.230	0.173	1.552	0.997	1.394	1.737	1.000	1.737	0.173	1.155
67	S	0.237	-0.607	1.318	0.701	1.248	1.723	1.275	1.723	-0.607	0.842
68	D	0.161	-1.103	1.375	0.146	1.276	1.726	1.388	1.726	-1.103	0.710
69	M	-0.553	-1.103	1.132	-1.009	1.112	1.112	1.556	1.556	-1.103	0.321
70	L	-0.913	-0.631	1.047	-1.658	1.020	0.531	1.802	1.802	-1.658	0.171

71 L	-0.692	0.149	1.169	-1.677	1.185	1.000	1.634	1.634	-1.677	0.395
72 L	-1.192	0.844	1.141	-1.009	1.139	0.530	1.862	1.862	-1.192	0.474
73 P	-0.433	1.048	1.477	-0.043	1.458	1.113	1.891	1.891	-0.433	0.930
74 D	0.477	1.503	1.758	0.531	1.604	1.127	1.497	1.758	0.477	1.214
75 P	1.192	0.640	1.842	0.363	1.595	1.122	0.052	1.842	0.052	0.972
76 E	2.039	0.820	2.356	-0.259	2.060	1.741	-0.384	2.356	-0.384	1.196
77 T	1.401	0.604	1.973	-1.141	1.768	1.724	-0.282	1.973	-1.141	0.864
78 A	1.401	-0.062	1.973	-1.590	1.768	1.724	-0.282	1.973	-1.590	0.704
79 R	1.401	0.752	1.973	-1.590	1.768	1.724	-0.282	1.973	-1.590	0.821
80 I	0.326	-0.062	1.580	-0.941	1.358	1.128	-0.005	1.580	-0.941	0.484
81 D	0.263	0.263	1.814	-0.380	1.677	1.733	-0.046	1.814	-0.380	0.760
82 P	0.263	0.556	1.814	-0.115	1.677	1.733	-0.046	1.814	-0.115	0.840
83 F	0.130	0.688	1.384	-0.553	1.203	1.108	-1.055	1.384	-1.055	0.415
84 R	0.996	0.658	1.973	-1.244	1.859	1.701	-1.312	1.973	-1.312	0.661
85 A	0.692	0.453	1.898	-1.837	1.695	1.232	-1.262	1.898	-1.837	0.410
86 A	-0.022	0.129	1.571	-2.010	1.431	1.219	-1.047	1.571	-2.010	0.181
87 K	1.002	0.738	1.935	-1.447	1.786	1.255	-1.412	1.935	-1.447	0.551
88 T	0.231	-0.268	1.365	-0.871	1.294	0.632	-1.089	1.365	-1.089	0.185
89 L	0.541	-0.933	1.664	0.202	1.604	0.673	-0.192	1.664	-0.933	0.508
90 N	-0.174	-0.825	1.599	0.869	1.558	0.677	1.069	1.599	-0.825	0.682
91 I	-1.116	-1.344	1.085	1.468	0.875	0.087	1.256	1.468	-1.344	0.330
92 N	-1.678	-0.480	0.767	1.286	0.711	0.068	1.803	1.803	-1.678	0.354
93 F	-0.964	-0.731	1.010	1.288	0.875	0.683	1.636	1.636	-0.964	0.542
94 F	-0.774	-0.731	0.982	0.970	0.884	1.131	1.740	1.740	-0.774	0.600
95 V	-0.136	-0.066	1.365	1.435	1.175	1.148	1.638	1.638	-0.136	0.937
96 H	-1.160	-0.174	1.001	1.698	0.820	1.112	2.002	2.002	-1.160	0.757
97 D	-0.250	0.311	1.262	1.933	1.020	1.128	1.792	1.933	-0.250	1.028
98 P	-0.250	0.131	1.244	1.402	1.075	1.129	1.976	1.976	-0.250	0.958
99 F	0.477	-0.635	1.692	0.551	1.449	1.727	1.361	1.727	-0.635	0.946
100T	0.477	0.395	1.776	-0.390	1.549	1.126	1.313	1.776	-0.390	0.892
101L	-0.275	0.718	1.758	-0.944	1.467	0.656	1.654	1.758	-0.944	0.719
102E	0.003	1.461	1.664	-0.847	1.349	0.657	1.594	1.664	-0.847	0.840
103P	0.850	1.245	2.160	-0.594	1.868	1.278	1.342	2.160	-0.594	1.164
104Y	1.154	1.700	2.234	-0.065	2.032	1.747	1.293	2.234	-0.065	1.442
105S	1.868	2.715	2.561	0.289	2.296	1.760	1.077	2.715	0.289	1.795
106R	1.641	1.535	2.664	0.460	2.406	1.785	1.103	2.664	0.460	1.656
107D	1.951	0.722	2.720	0.694	2.442	1.807	0.770	2.720	0.694	1.587
108P	1.565	0.996	2.328	0.712	2.187	1.790	0.760	2.328	0.712	1.477
109R	1.287	1.469	2.178	0.525	2.032	1.769	-0.410	2.178	-0.410	1.264
110N	1.287	0.656	2.178	0.038	2.032	1.769	-0.410	2.178	-0.410	1.079
111I	1.015	0.622	2.356	-0.832	2.351	1.875	-0.336	2.356	-0.832	1.007
112A	1.015	1.555	2.113	-1.766	2.078	1.856	-1.566	2.113	-1.766	0.755
113R	1.242	1.149	2.010	-2.236	1.968	1.831	-1.592	2.010	-2.236	0.625
114K	1.242	0.131	2.010	-2.138	1.968	1.831	-1.592	2.010	-2.138	0.493
115A	1.628	-1.025	2.403	-1.354	2.224	1.849	-1.581	2.403	-1.581	0.592
116E	0.914	-0.170	2.318	-0.455	2.233	1.854	-0.136	2.318	-0.455	0.937
117N	0.142	-0.254	1.748	-0.102	1.741	1.231	0.186	1.748	-0.254	0.670
118Y	0.193	-0.236	1.449	-0.176	1.257	0.657	0.281	1.449	-0.236	0.489
119L	0.389	-0.154	1.646	-0.659	1.412	0.677	1.332	1.646	-0.659	0.663
120I	0.256	0.051	1.309	-0.735	1.002	0.077	1.358	1.358	-0.735	0.474
121S	-0.692	0.914	0.870	-0.868	0.674	0.038	1.793	1.793	-0.868	0.390
122T	-0.439	0.550	0.618	-0.894	0.437	0.019	0.451	0.618	-0.894	0.106
123G	0.775	0.059	0.973	-1.086	0.747	0.502	0.007	0.973	-1.086	0.282
124I	1.609	-0.975	1.309	-1.102	0.920	0.521	-0.274	1.609	-1.102	0.287
125A	1.331	-0.825	1.160	-0.876	0.765	0.500	-1.444	1.331	-1.444	0.087
126D	0.882	-0.198	1.216	-0.443	0.847	0.500	-1.153	1.216	-1.153	0.236
127T	-0.060	-0.737	1.160	-0.271	0.847	0.504	-0.902	1.160	-0.902	0.077
128A	0.806	-0.653	1.290	-0.468	0.820	0.502	-1.223	1.290	-1.223	0.154
129Y	0.806	-0.653	1.290	-0.775	0.820	0.502	-1.223	1.290	-1.223	0.110
130F	0.667	0.329	1.346	-1.169	0.866	0.613	-1.240	1.346	-1.240	0.202
131G	0.471	0.329	1.150	-1.475	0.711	0.593	-2.291	1.150	-2.291	-0.073
132A	0.832	-0.705	1.477	-1.802	1.075	1.193	-1.307	1.477	-1.802	0.109
133E	0.370	-1.029	1.160	-1.966	0.793	1.177	-1.388	1.177	-1.966	-0.126
134A	0.832	-1.779	1.477	-1.931	1.075	1.193	-1.307	1.477	-1.931	-0.063
135E	-0.035	-1.240	1.346	-1.767	1.103	1.194	-0.986	1.346	-1.767	-0.055
136F	-0.749	-0.959	1.281	-1.553	1.057	1.199	0.275	1.281	-1.553	0.079
137Y	-0.610	-0.881	1.225	-1.245	1.011	1.088	0.293	1.225	-1.245	0.126
138I	-0.332	0.381	1.375	-0.689	1.166	1.108	1.462	1.462	-0.689	0.639
139F	-1.059	0.532	0.926	0.007	0.793	0.510	2.077	2.077	-1.059	0.541
140D	-0.066	1.245	1.141	0.749	0.993	0.526	1.986	1.986	-0.066	0.939
141S	-0.528	1.561	0.823	1.011	0.711	0.511	1.905	1.905	-0.528	0.856
142V	0.610	1.519	1.234	1.182	1.048	0.998	1.575	1.575	0.610	1.167
143S	1.603	1.615	1.449	1.257	1.248	1.014	1.483	1.615	1.014	1.381
144F	1.236	1.369	1.608	1.316	1.403	1.149	1.491	1.608	1.149	1.368
145D	0.958	2.170	1.459	1.112	1.248	1.129	0.321	2.170	0.321	1.200
146S	1.634	2.487	1.879	0.982	1.567	1.168	-0.380	2.487	-0.380	1.334
147R	1.584	1.457	1.720	0.496	1.367	1.148	-0.540	1.720	-0.540	1.033
148A	2.577	0.237	1.935	0.668	1.567	1.164	-0.631	2.577	-0.631	1.074
149N	1.363	0.812	1.599	0.887	1.203	0.679	-0.371	1.599	-0.371	0.882
150G	0.832	0.107	1.702	1.043	1.285	0.679	-0.199	1.702	-0.199	0.778
151S	1.059	0.019	1.599	0.729	1.175	0.654	-0.224	1.599	-0.224	0.716
152F	0.692	-0.837	1.477	0.107	1.166	0.655	1.375	1.477	-0.837	0.662
153Y	0.882	-0.987	1.449	-0.585	1.175	1.104	1.479	1.479	-0.987	0.645
154E	0.655	0.275	1.459	-0.818	1.221	1.104	0.468	1.459	-0.818	0.623
155V	-0.262	0.327	1.169	-0.928	1.048	1.085	0.630	1.169	-0.928	0.438
156D	0.730	-0.080	1.384	-0.760	1.248	1.101	0.539	1.384	-0.760	0.595
157A	1.211	-1.121	1.122	-0.777	0.966	1.082	0.207	1.211	-1.121	0.384
158I	0.085	-0.512	0.814	-0.857	0.619	0.507	0.256	0.814	-0.857	0.130
159S	-0.313	0.303	0.954	-1.002	0.647	0.531	-0.311	0.954	-1.002	0.116
160G	-0.503	0.075	0.982	-0.889	0.638	0.083	-0.415	0.982	-0.889	-0.004
161W	-0.307	-0.552	1.178	-0.572	0.793	0.103	0.636	1.178	-0.572	0.183
162W	0.560	-0.050	1.309	0.095	0.765	0.101	0.314	1.309	-0.050	0.442
163N	0.281	0.944	1.160	0.371	0.610	0.081	-0.855	1.160	-0.855	0.370
164T	0.054	0.910	1.169	0.245	0.656	0.081	-1.866	1.169	-1.866	0.178
165G	1.015	0.419	1.346	-0.390	0.793	0.076	-1.847	1.346	-1.847	0.202
166A	2.140	0.331	1.655	-1.021	1.139	0.650	-1.896	2.140	-1.896	0.428
167A	1.830	0.958	1.356	-1.507	0.829	0.609	-2.793	1.830	-2.793	0.183
168T	2.134	1.814	1.431	-1.317	0.993	1.078	-2.843	2.134	-2.843	0.470
169E	2.134	1.682	1.431	-1.041	0.993	1.078	-2.843	2.134	-2.843	0.490
170A	2.412	1.716	1.580	-0.456	1.148	1.098	-1.673	2.412	-1.673	0.832
171D	2.412	2.529	1.823	0.138	1.422	1.117	-0.443	2.529	-0.443	1.285
172G	2.526	2.617	1.926	0.969	1.576	1.138	-0.597	2.617	-0.597	1.451
173S	2.298	1.583	2.029	1.446	1.686	1.163	-0.571	2.298	-0.571	1.376
174P	2.526	1.559	2.019	1.713	1.640	1.163	0.439	2.526	0.439	1.580
175N	1.774	1.105	2.001	1.154	1.558	0.694	0.780	2.001	0.694	1.295

176R	1.774	1.309	2.459	0.303	2.242	1.288	0.845	2.459	0.303	1.460
177G	1.129	0.586	2.188	-0.827	2.078	1.270	1.274	2.188	-0.827	1.099
178Y	1.261	0.790	2.374	-1.582	2.278	1.875	1.053	2.374	-1.582	1.150
179K	0.952	1.824	2.234	-1.749	2.142	2.455	1.434	2.455	-1.749	1.327
180V	1.046	1.619	2.253	-1.429	2.306	2.425	1.499	2.425	-1.429	1.389
181R	1.046	1.309	2.253	-0.849	2.306	2.425	1.499	2.425	-0.849	1.427
182H	1.527	0.321	1.991	-0.575	2.023	2.405	1.168	2.405	-0.575	1.266
183K	1.046	0.590	1.795	-0.588	1.622	1.830	1.435	1.830	-0.588	1.104
184G	0.699	-0.338	1.851	-0.914	1.586	1.833	1.097	1.851	-0.914	0.830
185G	0.566	-0.965	1.664	-0.893	1.385	1.227	1.318	1.664	-0.965	0.615
186Y	0.199	-1.234	1.384	-0.896	1.203	0.609	1.639	1.639	-1.234	0.415
187F	-0.028	-0.218	0.935	-0.635	0.565	0.014	0.564	0.935	-0.635	0.171
188P	-0.256	0.495	1.188	-0.597	0.884	0.033	0.784	1.188	-0.597	0.361
189V	-0.174	0.628	1.496	-0.323	1.239	0.074	0.671	1.496	-0.323	0.516
190A	0.579	0.317	1.515	0.340	1.321	0.543	0.330	1.515	0.317	0.706
191P	1.540	0.221	1.907	1.349	1.741	0.581	0.242	1.907	0.221	1.083
192N	1.287	0.401	1.917	2.035	1.704	0.582	0.354	2.035	0.354	1.183
193D	1.287	-0.412	1.917	1.905	1.704	0.582	0.354	1.917	-0.412	1.048
194Q	1.786	-0.138	2.188	1.223	2.023	1.071	1.355	2.188	-0.138	1.358
195Y	1.072	-0.090	1.860	0.296	1.759	1.057	1.570	1.860	-0.090	1.075
196V	0.895	1.149	1.991	-0.350	1.923	1.641	1.682	1.991	-0.350	1.276
197D	0.895	1.131	1.991	-0.495	1.923	1.641	1.682	1.991	-0.495	1.252
198L	0.876	0.387	2.113	-0.613	2.187	2.193	1.584	2.193	-0.613	1.247
199R	0.730	1.082	1.851	-0.805	1.996	2.191	1.197	2.191	-0.805	1.177
200D	0.383	0.878	1.889	-1.095	2.014	2.195	1.043	2.195	-1.095	1.044
201K	0.079	0.135	1.814	-1.533	1.850	1.726	1.093	1.850	-1.533	0.738
202M	1.103	-1.021	2.197	-1.384	2.151	1.761	0.545	2.197	-1.384	0.765
203L	0.256	-0.298	1.683	-0.867	1.686	1.142	0.980	1.686	-0.867	0.655
204T	-0.882	0.762	1.272	-0.269	1.349	0.655	1.311	1.349	-0.882	0.600
205N	-0.800	0.898	1.122	0.430	1.020	0.101	1.133	1.133	-0.800	0.558
206L	-0.123	0.115	1.281	0.721	1.130	0.104	1.348	1.348	-0.123	0.654
207I	0.819	-0.005	1.356	0.898	1.075	0.098	0.913	1.356	-0.005	0.736
208N	-0.092	0.115	1.094	1.162	0.875	0.083	1.124	1.162	-0.092	0.623
209S	-1.040	0.081	0.655	0.848	0.547	0.044	1.558	1.558	-1.040	0.385
210G	-1.040	0.057	0.655	0.148	0.547	0.044	1.558	1.558	-1.040	0.281
211F	-0.041	0.057	1.122	-0.888	0.929	0.641	1.210	1.210	-0.888	0.433
212I	-0.123	0.321	1.272	-1.946	1.257	1.196	1.388	1.388	-1.946	0.481
213L	-0.174	0.736	1.113	-2.436	1.057	1.175	1.229	1.229	-2.436	0.386
214E	-0.401	1.515	1.281	-2.059	1.276	1.795	1.496	1.795	-2.059	0.700
215K	0.313	0.844	1.505	-1.075	1.494	2.411	1.512	2.411	-1.075	1.001
216G	1.312	0.640	1.973	0.261	1.877	3.009	1.164	3.009	0.261	1.462
217H	1.660	0.868	1.935	1.233	1.859	3.005	1.318	3.005	0.868	1.697
218H	1.527	1.405	1.599	1.240	1.449	2.405	1.345	2.405	1.240	1.567
219E	1.578	1.942	1.300	0.606	0.966	1.831	1.439	1.942	0.606	1.380
220V	1.578	1.858	1.300	-0.186	0.966	1.831	1.439	1.858	-0.186	1.255
221G	1.805	1.954	1.132	-0.566	0.747	1.211	1.172	1.954	-0.566	1.065
222S	2.052	1.902	1.300	-0.618	0.948	0.633	1.068	2.052	-0.618	1.041
223G	1.691	0.722	0.973	-0.604	0.583	0.034	0.084	1.691	-0.604	0.498
224G	2.418	0.704	1.421	-0.896	0.957	0.632	-0.531	2.418	-0.896	0.672
225Q	1.552	-0.330	1.290	-1.355	0.984	0.634	-0.209	1.552	-1.355	0.367
226A	1.584	-0.330	1.440	-1.436	1.139	0.654	-0.482	1.584	-1.436	0.367
227E	1.103	-0.504	1.702	-1.210	1.422	0.674	-0.150	1.702	-1.210	0.434
228I	1.122	-0.470	2.038	-0.479	1.841	0.716	0.013	2.038	-0.479	0.683
229N	0.161	0.710	1.646	0.127	1.422	0.678	0.101	1.646	0.101	0.692
230Y	0.471	-0.104	1.945	0.843	1.731	0.718	0.998	1.945	-0.104	0.943
231Q	0.389	0.099	1.767	1.268	1.522	0.139	1.184	1.767	0.099	0.910
232F	0.313	-0.302	1.823	1.743	1.549	0.142	1.297	1.823	-0.302	0.938
233N	-0.711	-0.128	1.440	1.593	1.248	0.107	1.845	1.845	-0.711	0.771
234S	-0.458	-0.737	1.346	1.420	1.185	0.708	1.780	1.780	-0.737	0.749
235L	-0.705	-1.053	1.019	0.690	0.811	0.665	0.607	1.019	-1.053	0.291
236L	0.010	-0.310	1.085	0.245	0.856	0.661	-0.654	1.085	-0.654	0.270
237H	0.199	-0.220	1.057	0.067	0.866	1.110	-0.550	1.110	-0.550	0.361
238A	0.421	0.181	1.178	0.293	1.030	1.578	-0.719	1.578	-0.719	0.566
239A	0.737	-0.023	1.253	0.450	1.066	1.590	-1.209	1.590	-1.209	0.552
240D	1.698	-0.430	1.664	0.656	1.431	1.627	-1.481	1.698	-1.481	0.738
241D	0.983	-0.138	1.421	0.214	1.267	1.013	-1.313	1.421	-1.313	0.492
242M	0.730	-1.083	1.674	-0.293	1.504	1.032	0.029	1.674	-1.083	0.513
243Q	0.958	-1.294	2.122	-1.023	2.142	1.627	1.104	2.142	-1.294	0.805
244L	0.206	-2.109	2.103	-1.514	2.060	1.157	1.445	2.103	-2.109	0.478
245Y	-0.932	-1.073	1.692	-1.910	1.722	0.670	1.776	1.776	-1.910	0.278
246K	-1.173	-0.058	1.561	-2.075	1.658	0.655	2.153	2.153	-2.075	0.389
247Y	-1.192	-0.398	1.683	-2.486	1.923	1.207	2.054	2.054	-2.486	0.399
248I	-0.167	0.009	2.066	-2.289	2.224	1.242	1.506	2.224	-2.289	0.656
249I	0.281	-0.170	2.010	-1.768	2.142	1.243	1.215	2.142	-1.768	0.708
250K	0.054	0.646	1.561	-0.719	1.504	0.648	0.140	1.561	-0.719	0.548
251N	-0.458	0.423	1.328	-0.035	1.285	0.654	-0.170	1.328	-0.458	0.432
252T	0.427	0.441	1.795	0.100	1.677	0.694	-0.328	1.795	-0.328	0.687
253A	1.375	0.782	2.234	-0.031	2.005	0.733	-0.763	2.234	-0.763	0.905
254W	1.375	1.273	1.776	-0.012	1.321	0.139	-0.828	1.776	-0.828	0.721
255Q	1.293	1.680	1.926	0.196	1.649	0.693	-0.650	1.926	-0.650	0.970
256N	1.293	1.680	1.926	0.456	1.649	0.693	-0.650	1.926	-0.650	1.007
257G	0.926	0.896	1.804	0.141	1.640	0.694	0.949	1.804	0.141	1.007
258K	1.887	0.155	1.982	-0.425	1.777	0.689	0.968	1.982	-0.425	1.005
259T	0.926	-0.318	1.589	-0.779	1.358	0.651	1.056	1.589	-0.779	0.640
260V	0.218	0.023	1.281	-1.044	1.093	0.627	1.113	1.281	-1.044	0.473
261T	-0.009	0.477	1.533	-0.895	1.412	0.646	1.333	1.533	-0.895	0.643
262F	-0.009	-0.218	1.533	-0.976	1.412	0.646	1.333	1.533	-0.976	0.532
263M	-0.205	-0.218	1.580	-1.014	1.531	0.645	1.512	1.580	-1.014	0.547
264P	-0.553	0.523	1.617	-1.070	1.549	0.649	1.358	1.617	-1.070	0.582
265K	-1.464	0.704	1.356	-0.964	1.349	0.633	1.569	1.569	-1.464	0.455
266P	-0.521	0.481	1.412	-1.008	1.349	0.629	1.318	1.412	-1.008	0.523
267L	0.376	0.750	1.692	-0.674	1.622	1.101	1.364	1.692	-0.674	0.890
268F	0.686	1.810	1.748	-0.126	1.658	1.123	1.031	1.810	-0.126	1.133
269G	0.686	2.611	1.290	0.762	0.975	0.528	0.966	2.611	0.528	1.117
270D	0.964	1.870	1.197	1.641	0.856	0.529	0.906	1.870	0.529	1.138
271N	1.906	1.421	1.272	1.971	0.802	0.524	0.472	1.971	0.472	1.195
272G	2.222	0.848	1.328	1.439	0.893	0.537	0.165	2.222	0.165	1.062
273S	1.995	0.311	1.496	0.796	1.112	1.156	0.432	1.995	0.311	1.043
274G	1.451	-0.054	1.010	0.303	0.701	0.685	1.064	1.451	-0.054	0.737
275M	1.141	0.175	0.870	0.627	0.565	1.265	1.444	1.444	0.175	0.869
276H	1.160	0.085	1.206	1.465	0.984	1.307	1.607	1.607	0.085	1.116
277C	1.160	-0.508	1.206	2.236	0.984	1.307	1.607	2.236	-0.508	1.142
278H	0.218	0.287	1.132	2.241	1.039	1.312	2.042	2.241	0.218	1.182
279Q	-0.148	0.736	1.160	1.692	1.011	1.320	2.119	2.119	-0.148	1.127
280S	0.079	0.872	1.449	0.358	1.476	1.295	1.917	1.917	0.079	1.064

281L	0.623	0.017	1.935	-0.468	1.886	1.766	1.286	1.935	-0.468	1.006
282W	0.850	0.580	1.767	-1.098	1.668	1.147	1.019	1.767	-1.098	0.847
283K	0.604	0.878	1.440	-0.971	1.294	1.104	-0.155	1.440	-0.971	0.599
284D	0.326	-0.068	1.533	-0.741	1.412	1.103	-0.095	1.533	-0.741	0.496
285G	0.326	-1.013	1.533	-0.614	1.412	1.103	-0.095	1.533	-1.013	0.379
286A	0.692	-1.101	1.505	-0.889	1.440	1.095	-0.172	1.505	-1.101	0.367
287P	0.212	-0.526	1.309	-1.243	1.039	0.520	0.095	1.309	-1.243	0.201
288L	0.212	-0.394	1.309	-1.462	1.039	0.520	0.095	1.309	-1.462	0.188
289M	0.345	0.437	1.646	-1.363	1.449	1.119	0.068	1.646	-1.363	0.529
290Y	0.541	0.145	1.842	-0.846	1.604	1.139	1.119	1.842	-0.846	0.792
291D	0.768	0.552	1.589	-0.547	1.285	1.120	0.899	1.589	-0.547	0.809
292E	1.230	0.640	1.926	-0.400	1.513	1.134	0.797	1.926	-0.400	0.977
293T	1.628	-0.140	1.935	-0.664	1.467	1.117	-0.158	1.935	-0.664	0.741
294G	2.109	0.225	1.674	-0.996	1.185	1.098	-0.490	2.109	-0.996	0.686
295Y	0.895	0.137	1.318	-1.464	0.875	0.614	-0.046	1.318	-1.464	0.333
296A	0.813	1.034	1.141	-1.412	0.665	0.035	0.140	1.141	-1.412	0.345
297G	1.116	1.034	1.216	-1.084	0.829	0.504	0.090	1.216	-1.084	0.529
298L	1.084	1.221	1.421	-0.303	1.030	0.524	0.131	1.421	-0.303	0.730
299S	1.337	1.515	1.169	0.404	0.793	0.504	-1.212	1.515	-1.212	0.644
300D	1.470	0.253	1.599	0.600	1.267	1.129	-0.202	1.599	-0.202	0.874
301T	1.242	-0.611	1.767	0.438	1.485	1.749	0.065	1.767	-0.611	0.877
302A	1.704	-0.474	2.103	0.074	1.713	1.763	-0.038	2.103	-0.474	0.978
303R	0.787	0.153	1.814	-0.143	1.540	1.744	0.124	1.814	-0.143	0.860
304H	0.515	-0.865	1.533	-0.306	1.175	1.255	0.133	1.533	-0.865	0.492
305Y	0.547	-1.160	1.328	-0.658	0.975	1.236	0.093	1.328	-1.160	0.337
306I	-0.167	-0.663	1.244	-1.304	0.984	1.241	1.538	1.538	-1.304	0.410
307G	-1.015	-0.248	0.730	-1.797	0.519	0.622	1.973	1.973	-1.797	0.112
308G	-1.015	-0.875	0.730	-1.801	0.519	0.622	1.973	1.973	-1.801	0.022
309L	-0.762	-1.144	0.636	-0.964	0.455	1.222	1.909	1.909	-1.144	0.193
310L	-0.123	-0.084	0.776	0.206	0.474	1.220	0.577	1.220	-0.123	0.435
311H	-0.351	-0.084	1.029	1.291	0.793	1.239	0.797	1.291	-0.351	0.673
312H	-0.300	-0.378	1.188	1.812	0.993	1.259	0.956	1.812	-0.378	0.790
313A	-0.300	-0.468	1.188	1.531	0.993	1.259	0.956	1.531	-0.468	0.737
314P	-0.300	-0.643	1.188	0.865	0.993	1.259	0.956	1.259	-0.643	0.617
315S	-0.300	-0.510	1.029	-0.073	0.820	0.640	-0.321	1.029	-0.510	0.183
316L	-1.015	-0.757	0.804	-0.870	0.601	0.024	-0.338	0.804	-1.015	-0.221
317L	-0.819	-0.194	1.001	-1.231	0.756	0.044	0.713	1.001	-1.231	0.039
318A	-0.509	0.501	1.057	-0.845	0.793	0.065	0.380	1.057	-0.845	0.206
319F	-0.787	0.405	1.150	-0.008	0.911	0.064	0.440	1.150	-0.787	0.311
320T	0.123	1.189	1.431	1.156	1.057	0.079	0.046	1.431	0.046	0.726
321N	0.471	1.553	1.393	1.632	1.039	0.075	0.200	1.632	0.075	0.909
322P	0.781	0.538	1.692	1.778	1.349	0.116	1.097	1.778	0.116	1.050
323T	1.774	1.010	1.907	1.540	1.549	0.132	1.006	1.907	0.132	1.274
324V	1.325	1.333	1.963	1.610	1.631	0.131	1.297	1.963	0.131	1.327
325N	1.242	1.225	2.113	1.466	1.959	0.685	1.475	2.113	0.685	1.452
326S	1.375	0.519	2.300	1.030	2.160	1.291	1.254	2.300	0.519	1.418
327Y	0.465	0.023	2.019	-0.104	2.014	1.276	1.649	2.019	-0.104	1.049
328K	0.465	1.056	2.019	-1.252	2.014	1.276	1.649	2.019	-1.252	1.032
329R	0.155	-0.182	1.963	-2.017	1.977	1.255	1.982	1.982	-2.017	0.733
330L	0.104	-0.420	1.804	-2.057	1.777	1.234	1.822	1.822	-2.057	0.609
331V	0.104	-0.216	1.804	-1.612	1.777	1.234	1.822	1.822	-1.612	0.702
332P	0.237	0.239	1.683	-1.266	1.504	1.239	1.731	1.731	-1.266	0.767
333G	0.104	-0.444	1.253	-1.191	1.030	0.615	0.721	1.253	-1.191	0.298
334Y	0.819	-0.462	1.580	-1.272	1.294	0.628	0.506	1.580	-1.272	0.442
335E	0.547	-0.260	1.561	-1.455	1.285	0.629	0.239	1.561	-1.455	0.364
336A	0.857	-0.931	1.617	-1.115	1.321	0.650	-0.094	1.617	-1.115	0.329
337P	-0.085	-1.338	1.543	-0.697	1.376	0.656	0.341	1.543	-1.338	0.257
338I	-0.199	-0.841	1.169	-0.184	1.130	0.638	0.598	1.169	-0.841	0.330
339N	-0.812	-0.026	1.094	-0.101	1.002	0.058	0.956	1.094	-0.812	0.310
340L	-0.534	0.179	1.244	-0.134	1.157	0.078	2.126	2.126	-0.534	0.588
341V	-0.288	0.992	1.328	-0.412	1.257	0.101	2.069	2.069	-0.412	0.721
342Y	0.484	1.902	1.898	-0.288	1.750	0.724	1.747	1.902	-0.288	1.174
343S	0.484	3.164	1.898	-0.001	1.750	0.724	1.747	3.164	-0.001	1.395
344Q	1.331	2.309	2.412	0.289	2.214	1.343	1.311	2.412	0.289	1.601
345R	1.976	1.854	2.683	0.666	2.379	1.362	0.882	2.683	0.666	1.686
346N	2.229	0.944	2.431	0.662	2.142	1.342	-0.460	2.431	-0.460	1.327
347R	1.906	1.149	2.066	0.648	1.895	1.340	0.002	2.066	0.002	1.287
348S	1.293	0.011	1.617	0.258	1.513	1.299	0.428	1.617	0.011	0.917
349A	1.293	-0.486	1.617	-0.079	1.513	1.299	0.428	1.617	-0.486	0.798
350C	0.345	-0.811	1.178	-0.950	1.185	1.260	0.862	1.260	-0.950	0.439
351V	0.212	-0.356	0.991	-1.348	0.984	0.655	1.083	1.083	-1.348	0.317
352R	-0.705	0.367	0.702	-1.982	0.811	0.636	1.245	1.245	-1.982	0.154
353I	-0.509	0.409	0.898	-1.937	0.966	0.656	2.296	2.296	-1.937	0.397
354P	-0.237	1.343	1.103	-1.858	1.011	0.639	1.674	1.674	-1.858	0.525
355I	0.408	1.343	1.375	-1.304	1.175	0.657	1.245	1.375	-1.304	0.700
356T	0.585	2.499	1.244	-0.464	1.011	0.073	1.133	2.499	-0.464	0.869
357G	1.224	2.008	1.627	0.664	1.303	0.090	1.031	2.008	0.090	1.135
358S	1.451	2.213	1.832	1.459	1.668	0.666	0.876	2.213	0.666	1.452
359N	2.090	2.170	1.973	1.711	1.686	0.664	-0.455	2.170	-0.455	1.405
360P	2.121	1.357	2.225	0.857	2.169	1.239	-0.431	2.225	-0.431	1.362
361K	2.026	1.573	2.664	-0.455	2.688	1.863	-0.432	2.688	-0.455	1.418
362A	1.034	0.568	2.431	-1.682	2.543	1.849	-0.157	2.543	-1.682	0.941
363K	1.084	1.381	2.459	-2.451	2.597	2.408	-0.070	2.597	-2.451	1.058
364R	0.370	1.405	2.150	-2.535	2.278	2.393	-0.039	2.393	-2.535	0.860
365L	0.275	0.950	2.132	-2.363	2.114	2.423	-0.105	2.423	-2.363	0.775
366E	0.553	1.694	2.281	-1.840	2.269	2.443	1.065	2.443	-1.840	1.209
367F	0.326	1.974	2.075	-1.204	1.905	1.867	1.220	2.075	-1.204	1.166
368R	0.692	3.004	1.917	-0.262	1.750	1.732	1.212	3.004	-0.262	1.435
369S	1.685	2.818	2.150	0.688	1.895	1.746	0.936	2.818	0.688	1.703
370P	1.603	2.571	1.973	1.645	1.686	1.167	1.123	2.571	1.123	1.681
371D	2.545	2.571	2.029	2.000	1.686	1.163	0.872	2.571	0.872	1.838
372S	2.722	1.625	1.898	2.349	1.522	0.579	0.760	2.722	0.579	1.636
373S	2.444	0.566	1.991	2.177	1.640	0.577	0.820	2.444	0.566	1.459
374G	2.191	-0.290	2.001	2.100	1.604	0.578	0.932	2.191	-0.290	1.302
375N	0.977	-1.091	1.646	1.653	1.294	0.094	1.376	1.653	-1.091	0.850
376P	0.699	-0.845	1.496	0.914	1.139	0.074	0.206	1.496	-0.845	0.526
377Y	-0.294	-1.204	1.281	-0.132	0.938	0.058	0.297	1.281	-1.204	0.135
378L	-0.243	-0.911	1.440	-0.657	1.139	0.078	0.457	1.440	-0.911	0.186
379A	-0.553	-0.911	1.141	-0.915	0.829	0.038	-0.440	1.141	-0.915	-0.116
380F	-0.951	-1.025	0.889	-0.715	0.601	0.036	-0.716	0.889	-1.025	-0.269
381S	-1.413	-0.851	0.552	-0.788	0.373	0.022	-0.613	0.552	-1.413	-0.388
382A	-1.097	-1.079	0.627	-1.366	0.410	0.034	-1.103	0.627	-1.366	-0.511
383M	-1.097	-1.284	0.627	-2.130	0.410	0.034	-1.103	0.627	-2.130	-0.649
384L	-0.155	-0.631	0.683	-2.639	0.410	0.030	-1.354	0.683	-2.639	-0.522
385M	-1.147	0.201	0.449	-2.793	0.264	0.015	-1.079	0.449	-2.793	-0.584

386A	-0.648	-0.009	0.720	-2.277	0.583	0.504	-0.077	0.720	-2.277	-0.172
387G	-0.022	0.822	0.720	-1.654	0.492	0.487	-0.022	0.822	-1.654	0.118
388L	0.054	0.804	0.664	-1.128	0.465	0.483	-0.135	0.804	-1.128	0.172
389D	0.680	1.840	1.122	-0.987	1.057	1.061	-0.015	1.840	-0.987	0.680
390G	0.990	0.976	1.421	-0.858	1.367	1.101	0.882	1.421	-0.858	0.840
391I	0.990	0.924	1.879	-0.936	2.050	1.696	0.947	2.050	-0.936	1.079
392K	1.065	1.607	1.823	-0.664	2.023	1.692	0.834	2.023	-0.664	1.197
393N	0.926	1.267	1.879	-0.733	2.069	1.803	0.816	2.069	-0.733	1.147
394K	0.699	0.658	2.132	-0.890	2.388	1.822	1.036	2.388	-0.890	1.120
395I	1.584	0.185	2.599	-1.247	2.780	1.862	0.877	2.780	-1.247	1.234
396E	1.356	0.413	2.150	-1.262	2.142	1.268	-0.198	2.150	-1.262	0.839
397P	1.046	0.377	2.094	-1.074	2.105	1.246	0.135	2.105	-1.074	0.847
398Q	0.452	0.850	1.524	-0.738	1.458	0.653	0.659	1.524	-0.738	0.694
399A	1.590	0.898	1.935	-0.398	1.795	1.140	0.328	1.935	-0.398	1.041
400P	1.457	0.694	2.057	-0.345	2.069	1.135	0.420	2.069	-0.345	1.070
401V	1.957	-0.072	2.085	-0.017	2.114	1.605	0.191	2.114	-0.072	1.123
402D	0.996	0.600	1.674	0.056	1.750	1.568	0.462	1.750	0.056	1.015
403K	0.743	-0.144	1.926	0.164	1.987	1.588	1.805	1.987	-0.144	1.153
404D	1.103	-0.617	2.010	-0.275	2.078	2.168	1.558	2.168	-0.617	1.147
405L	0.756	-0.797	2.047	-0.725	2.096	2.172	1.405	2.172	-0.797	0.993
406Y	0.256	-0.017	2.019	-1.299	2.050	1.702	1.634	2.050	-1.299	0.906
407E	0.029	0.964	1.814	-1.286	1.686	1.126	1.788	1.814	-1.286	0.875
408L	-0.111	0.389	1.870	-1.181	1.731	1.237	1.771	1.870	-1.181	0.815
409P	0.964	0.594	2.281	-0.831	2.087	1.831	1.310	2.281	-0.831	1.177
410P	1.217	1.091	2.029	-0.877	1.850	1.812	-0.032	2.029	-0.877	1.013
411E	0.857	0.407	1.702	-1.256	1.485	1.212	-1.016	1.702	-1.256	0.484
412E	1.849	0.191	1.935	-1.465	1.631	1.227	-1.291	1.935	-1.465	0.583
413A	1.211	0.107	1.552	-1.597	1.339	1.210	-1.190	1.552	-1.597	0.376
414A	1.211	0.598	1.552	-1.239	1.339	1.210	-1.190	1.552	-1.239	0.497
415S	1.097	0.956	1.552	-0.865	1.349	0.653	-1.000	1.552	-1.000	0.535
416I	0.933	0.592	1.421	-0.510	1.139	0.073	-0.933	1.421	-0.933	0.388
417P	0.933	1.407	1.664	-0.255	1.412	0.092	0.297	1.664	-0.255	0.793
418Q	1.129	0.844	1.860	0.092	1.567	0.112	1.348	1.860	0.092	0.993
419T	1.097	1.209	2.038	0.219	1.786	0.134	1.351	2.038	0.134	1.119
420P	1.021	1.257	2.094	0.264	1.813	0.138	1.465	2.094	0.138	1.150
421T	1.299	0.802	2.001	0.125	1.695	0.139	1.405	2.001	0.125	1.066
422Q	1.552	-0.013	1.945	0.136	1.640	0.586	1.232	1.945	-0.013	1.011
423L	0.990	0.035	1.627	0.278	1.476	0.567	1.780	1.780	0.035	0.965
424S	0.351	1.052	1.244	0.326	1.185	0.550	1.882	1.882	0.326	0.941
425D	0.655	-0.007	1.318	0.312	1.349	1.019	1.832	1.832	-0.007	0.925
426V	0.541	0.029	1.421	-0.202	1.449	1.601	1.668	1.668	-0.202	0.929
427I	0.541	0.125	1.421	-0.625	1.449	1.601	1.668	1.668	-0.625	0.883
428D	0.623	0.988	1.599	-1.128	1.658	2.181	1.482	2.181	-1.128	1.058
429R	0.123	0.540	1.328	-1.550	1.339	1.692	0.481	1.692	-1.550	0.565
430L	0.990	0.301	1.720	-1.634	1.668	2.179	-0.117	2.179	-1.634	0.730
431E	1.628	0.099	2.019	-1.050	1.859	2.797	-0.171	2.797	-1.050	1.026
432A	1.489	-0.681	2.075	-0.280	1.905	2.908	-0.188	2.908	-0.681	1.032
433D	1.103	-0.190	1.898	0.713	1.668	2.303	0.145	2.303	-0.190	1.091
434H	1.103	-0.154	1.898	0.850	1.668	2.303	0.145	2.303	-0.154	1.116
435E	0.939	0.383	1.767	0.323	1.458	1.723	0.212	1.767	0.212	0.972
436Y	1.299	0.435	2.094	-0.559	1.823	2.322	1.195	2.322	-0.559	1.230
437L	1.028	0.746	1.814	-1.167	1.458	1.834	1.205	1.834	-1.167	0.988
438T	1.255	0.776	1.646	-1.528	1.239	1.214	0.938	1.646	-1.528	0.791
439E	0.528	0.776	1.197	-1.552	0.866	0.616	1.553	1.553	-1.552	0.569
440G	0.067	0.810	0.879	-1.603	0.583	0.601	1.472	1.472	-1.603	0.401
441G	0.977	0.722	1.160	-1.439	0.729	0.615	1.077	1.160	-1.439	0.549
442V	1.091	-0.110	1.262	-0.800	0.884	0.636	0.924	1.262	-0.800	0.555
443F	1.230	-0.338	1.206	0.285	0.838	0.525	0.941	1.230	-0.338	0.670
444T	0.288	0.411	1.132	1.322	0.893	0.530	1.376	1.376	0.288	0.850
445N	-0.578	0.411	1.001	1.669	0.920	0.532	1.697	1.697	-0.578	0.807
446D	0.149	-0.701	1.449	1.049	1.294	1.130	1.082	1.449	-0.701	0.779
447L	1.059	-1.564	1.711	-0.214	1.494	1.146	0.872	1.711	-1.564	0.643
448I	0.098	-0.504	1.533	-1.323	1.358	1.151	0.853	1.533	-1.323	0.452
449E	-0.850	-0.354	1.094	-1.975	1.030	1.113	1.288	1.288	-1.975	0.192
450T	-1.072	-0.098	0.973	-1.891	0.866	0.644	1.457	1.457	-1.891	0.125
451W	-1.072	0.225	0.991	-1.530	0.811	0.642	1.273	1.273	-1.530	0.192
452I	-0.205	1.303	1.580	-1.137	1.467	1.235	1.016	1.580	-1.137	0.751
453S	-0.433	2.237	1.683	-0.922	1.576	1.260	1.042	2.237	-0.922	0.920
454F	-0.269	1.956	1.814	-1.089	1.786	1.840	0.975	1.956	-1.089	1.002
455K	0.806	1.806	2.094	-1.093	2.078	1.855	0.839	2.094	-1.093	1.198
456R	1.805	1.549	2.561	-0.995	2.461	2.453	0.491	2.561	-0.995	1.475
457E	0.888	1.095	2.272	-0.692	2.287	2.435	0.653	2.435	-0.692	1.277
458N	1.963	0.423	2.664	-0.561	2.698	3.030	0.376	3.030	-0.561	1.513
459E	1.736	0.423	2.459	-0.729	2.333	2.455	0.531	2.459	-0.729	1.315
460I	1.236	-0.476	1.907	-1.280	1.850	1.831	1.120	1.907	-1.280	0.884
461E	1.186	0.662	1.879	-1.009	1.795	1.273	1.034	1.879	-1.009	0.974
462P	0.237	0.445	1.440	-0.732	1.467	1.234	1.468	1.468	-0.732	0.794
463V	0.010	0.177	1.543	-0.092	1.576	1.259	1.494	1.576	-0.092	0.852
464N	0.648	0.632	1.926	-0.003	1.868	1.276	1.392	1.926	-0.003	1.106
465I	0.288	-0.384	1.758	0.028	1.677	1.296	1.686	1.758	-0.384	0.907
466R	0.288	0.515	1.758	0.092	1.677	1.296	1.686	1.758	0.092	1.045
467P	0.402	-0.472	2.132	0.753	1.923	1.314	1.429	2.132	-0.472	1.069
468H	0.452	-0.831	2.160	0.949	1.977	1.873	1.516	2.160	-0.831	1.157
469P	0.376	-1.125	2.234	0.868	1.950	1.875	1.445	2.234	-1.125	1.089
470Y	0.244	-1.891	1.804	0.084	1.476	1.251	0.436	1.804	-1.891	0.486
471E	-0.471	-1.891	1.477	-0.759	1.212	1.237	0.651	1.477	-1.891	0.208
472F	-0.724	-1.927	1.571	-1.378	1.276	0.637	0.716	1.571	-1.927	0.024
473A	-0.977	-1.849	1.580	-1.584	1.239	0.637	0.828	1.580	-1.849	-0.018
474L	-0.224	-1.594	1.599	-1.358	1.321	1.107	0.487	1.599	-1.594	0.191
475Y	-0.951	-1.135	1.150	-0.974	0.948	0.509	1.102	1.150	-1.135	0.093
476Y	-0.370	-0.474	0.758	-0.473	1.312	0.564	-0.160	1.312	-0.474	0.165
477D	-0.503	0.187	0.300	-0.186	1.631	0.625	-0.160	1.631	-0.503	0.271
478V	0.079	-0.098	-0.074	-0.144	1.941	0.679	-1.605	1.941	-1.605	0.111

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	1VTEKTPDDVFKLAKDEKVEYVDVRFCDLPGIMQHFTIPASAFDKSVFDDGLAFDGSSIRGFQSIHESDMLLLPDPETARIDPFRAAKTLNINFFVHDPFTLEPYSRDPRNIARKAENYLISTGIADTAYFGAEA
Hydrophilicity	1VTEKTPDDVFKLAKDEKVEYVDVRFCDLPGIMQHFTIPASAFDKSVFDDGLAFDGSSIRGFQSIHESDMLLLPDPETARIDPFRAAKTLNINFFVHDPFTLEPYSRDPRNIARKAENYLISTGIADTAYFGAEA
Flexibility	1