

The server displays 1.[GRAPHICAL RESULT](#) 2.[TABULAR RESULT](#) 3.[Overlap Display](#)

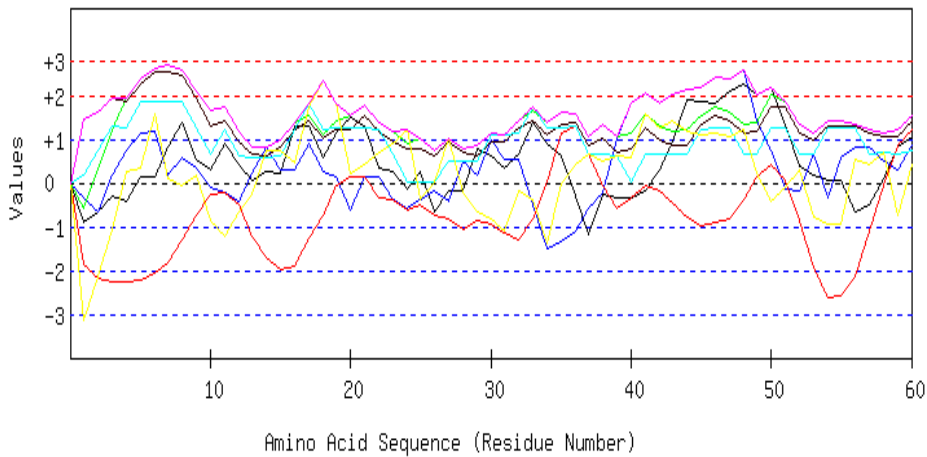
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EHLIFATTEPEKVLPTIRSRTHHYPFRLPPRTMRALLARICEQEGVVDDAVYPLVIRAGGGSPRDTLSVLDQLL
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ASRGVVDAPEDALDRMREQAARIGRATLTRYAEVVQAGLGEMRGATAPRLLLEVVCARLLLPSASDAESALLQR
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Length=578

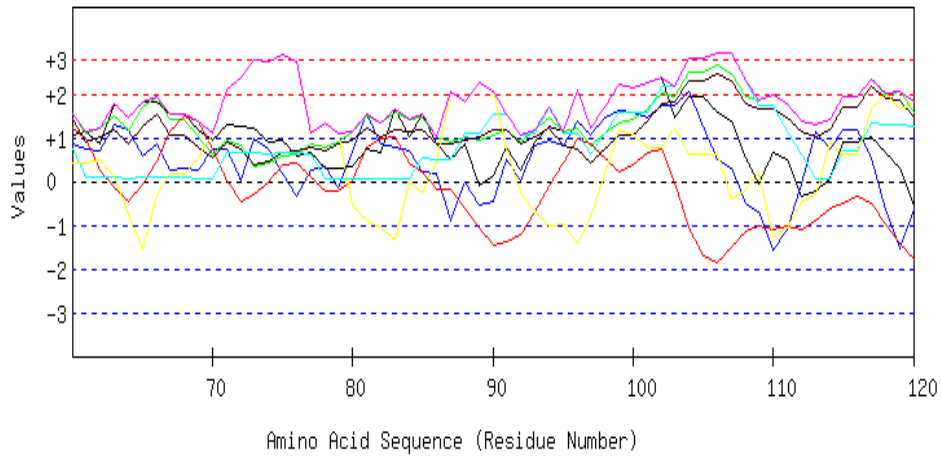
GRAPHICAL RESULT

GRAPHICAL RESULT :: SEQ 1 to 60



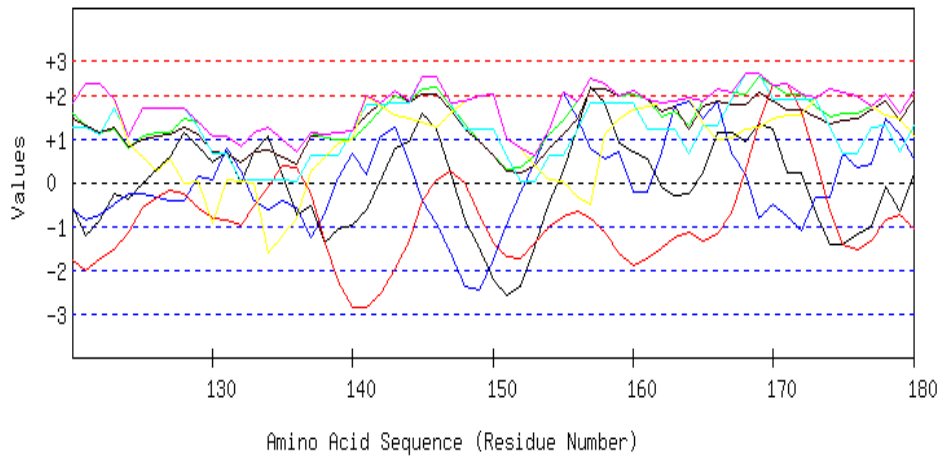
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 61 to 120



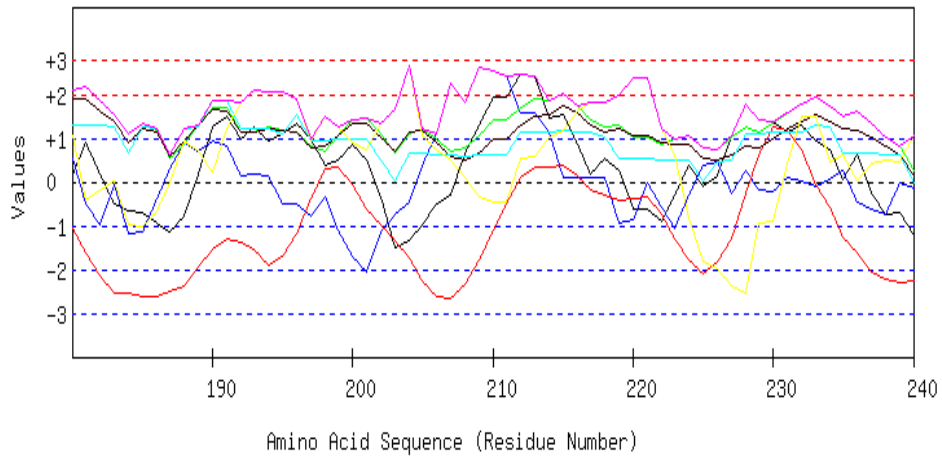
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 121 to 180



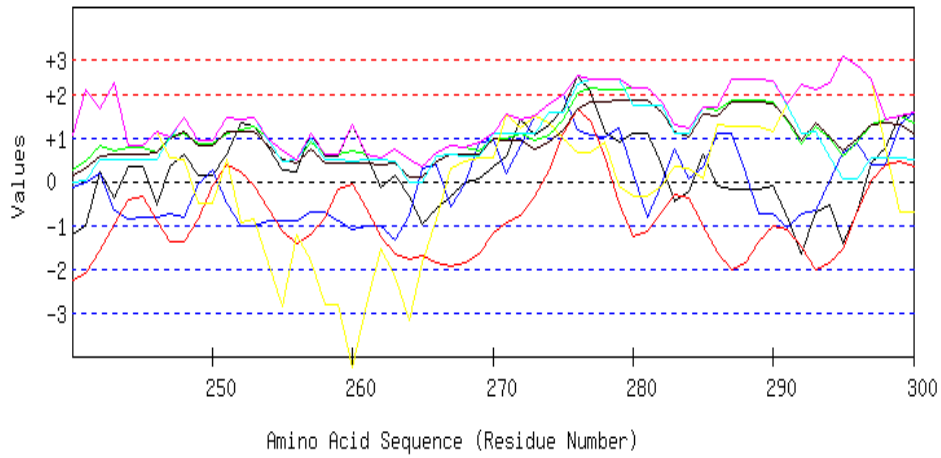
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 181 to 240



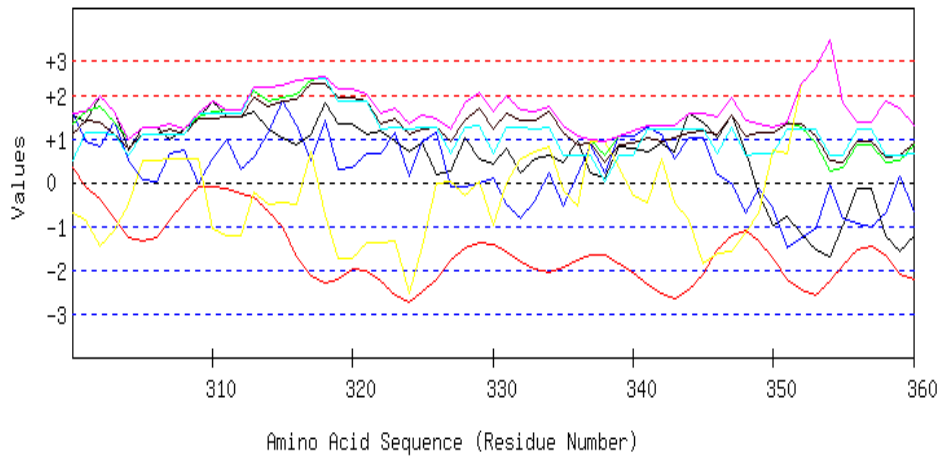
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 241 to 300



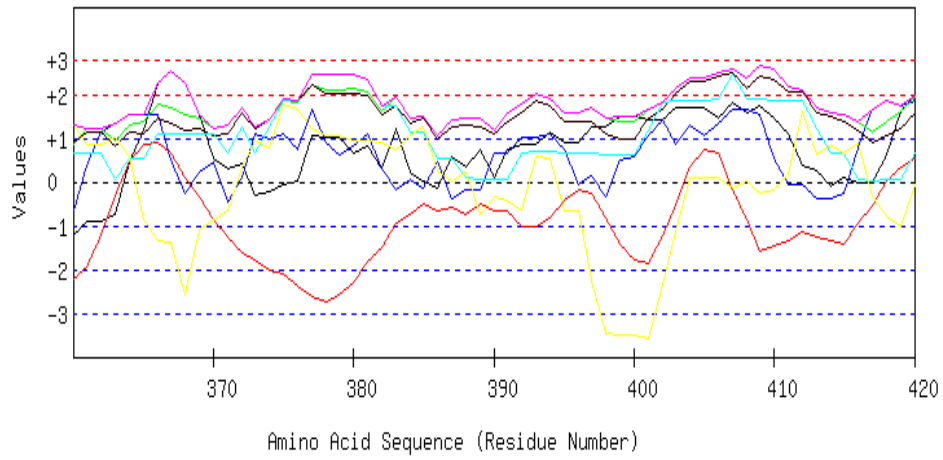
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 301 to 360



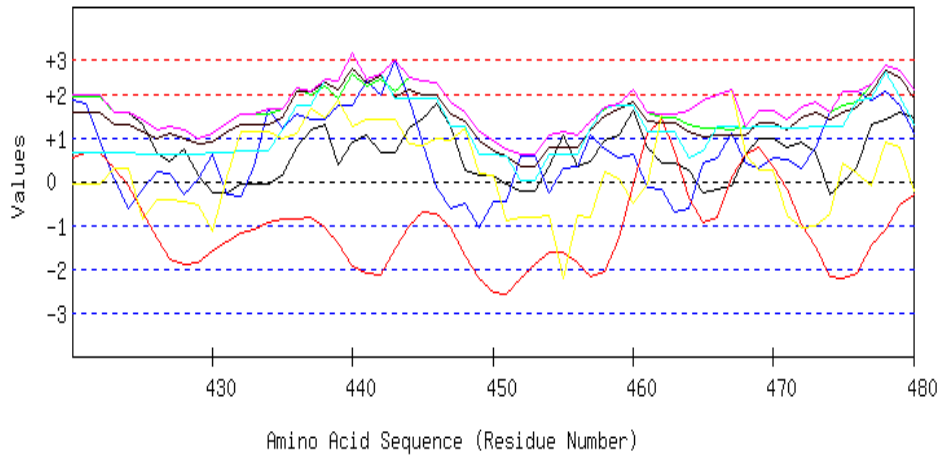
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 361 to 420



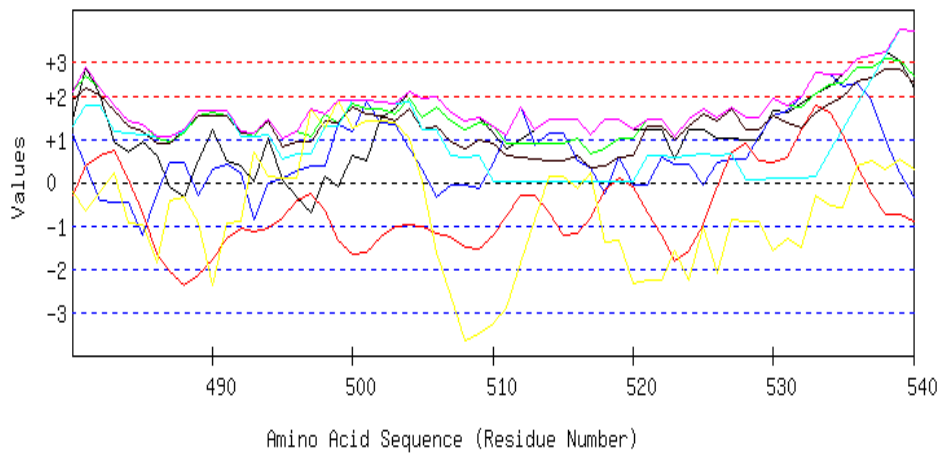
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 421 to 480



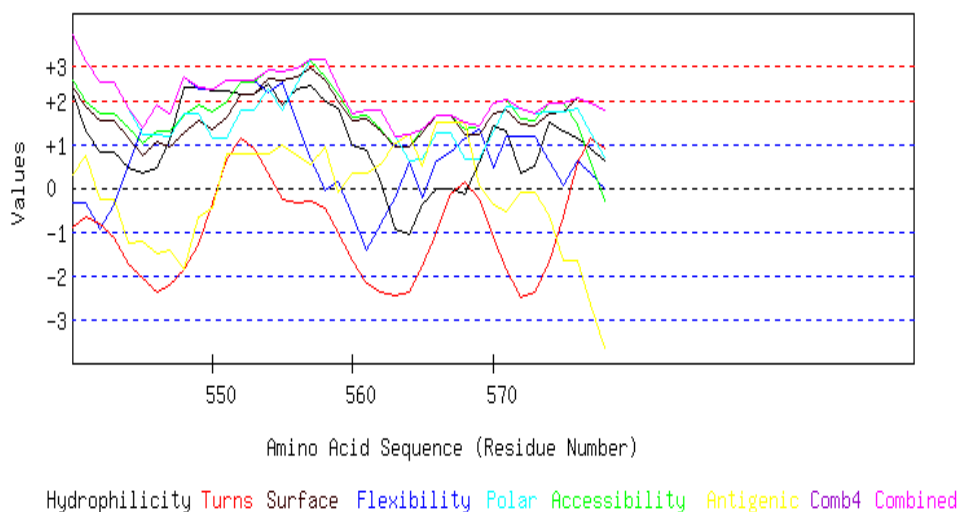
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 481 to 540



Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 541 to 600



[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

MALYRKYRPASFAEVVQEHVTAPLSVALDAGRINHAYLFSGPRGCGKTSSARILARSLN
CAQGPTANPCGVCESCVSLAPNAPGSIDVVELDAASHGGVDDTRELDRAFYAPVQSRYSR
VFIVDEAHMVTTAGFNALLKIVEEPPEHLIFIFATTEPEKVLPTIRSRTHHYPFRLLPPR
TMRALLARICEQEGVVDDAVYPLVIRAGGGSPRDTLSVLDQLLAGAADTHVYTRALGL
LGVTDVALIDDAVDALAACDAAALFGAIESVIDGGHDP RRFATDLLERFRDLIVLQSVPD
AASRGVVDAPEDALDRMREQAARIGRATLTRYAEVVQAGLGEMRGATAPRLLLEVV CARL
LLPSASDAESALLQRVERIETRLDMSIPAPQAVPRPSAAAAPKHQPAREPRPVLAPTPA
SSEPTVA AVRSMWPTVRDKVRLRSRTTEVMLAGATVRALEDNTLVLT HESAPLARRLSEQ
RNADVLAELKDALGVNWRVRCETGEPAAAASPVGGGANVATAKAVNPAPTANSTQRDEE
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Length=578

A.A.	Parameter										Combined
	Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	MIN	AVG	
1 M	-0.913	-0.354	-0.569	-1.850	1.449	0.192	-3.147	1.449	-3.147	-0.742	
2 A	-0.648	-0.647	0.318	-2.186	1.604	0.757	-2.138	1.604	-2.186	-0.420	
3 L	-0.288	0.167	1.225	-2.268	1.923	1.291	-1.062	1.923	-2.268	0.141	
4 Y	-0.408	0.730	1.935	-2.257	1.841	1.250	0.280	1.935	-2.257	0.482	
5 R	0.123	1.137	2.374	-2.214	2.269	1.858	0.334	2.374	-2.214	0.840	
6 K	0.123	1.179	2.617	-2.050	2.543	1.877	1.564	2.617	-2.050	1.122	
7 Y	0.838	0.173	2.702	-1.828	2.533	1.871	0.119	2.702	-1.828	0.915	
8 R	1.369	0.580	2.599	-1.300	2.451	1.872	-0.053	2.599	-1.300	1.074	
9 P	0.522	0.341	2.103	-0.746	1.932	1.252	0.199	2.103	-0.746	0.800	
10 A	0.294	-0.114	1.655	-0.257	1.294	0.657	-0.876	1.655	-0.876	0.379	
11 S	0.907	-0.210	1.730	-0.215	1.422	1.237	-1.235	1.730	-1.235	0.519	
12 F	0.408	-0.438	1.178	-0.494	0.938	0.614	-0.645	1.178	-0.645	0.223	
13 A	0.041	0.227	0.814	-1.202	0.656	0.597	-0.276	0.814	-1.202	0.122	
14 E	0.269	0.802	0.804	-1.704	0.610	0.597	0.734	0.804	-1.704	0.302	
15 V	0.237	0.317	0.982	-1.964	0.829	0.619	0.738	0.982	-1.964	0.251	
16 V	1.312	0.317	1.375	-1.892	1.239	1.215	0.460	1.375	-1.892	0.575	
17 G	1.312	0.904	1.533	-1.267	1.412	1.834	1.738	1.834	-1.267	1.067	
18 Q	0.585	0.277	1.085	-0.721	1.039	1.236	2.353	2.353	-0.721	0.836	
19 E	1.148	0.145	1.403	-0.044	1.203	1.255	1.805	1.805	-0.044	0.988	
20 H	1.514	-0.635	1.524	0.154	1.212	1.253	0.206	1.524	-0.635	0.747	
21 V	1.287	0.131	1.776	0.150	1.531	1.272	0.425	1.776	0.131	0.939	
22 T	0.326	0.131	1.365	-0.341	1.166	1.235	0.697	1.365	-0.341	0.654	
23 A	0.244	-0.360	1.188	-0.380	0.957	0.656	0.883	1.188	-0.380	0.455	
24 P	-0.123	-0.564	0.907	-0.624	0.774	0.037	1.205	1.205	-0.624	0.230	
25 L	0.244	-0.384	1.029	-0.482	0.784	0.036	-0.394	1.029	-0.482	0.119	
26 S	-0.667	-0.180	0.748	-0.758	0.638	0.021	0.000	0.748	-0.758	-0.028	
27 V	-0.167	-0.408	1.019	-0.820	0.957	0.510	1.001	1.019	-0.820	0.299	
28 A	-0.167	0.501	0.776	-1.066	0.683	0.491	-0.229	0.776	-1.066	0.141	
29 L	0.775	0.177	0.851	-0.851	0.629	0.486	-0.664	0.851	-0.851	0.200	
30 D	0.629	0.990	1.132	-0.920	0.948	1.090	-0.824	1.132	-0.920	0.435	
31 A	0.357	0.542	1.113	-1.150	0.938	1.091	-1.091	1.113	-1.150	0.257	
32 G	0.667	0.542	1.412	-1.294	1.248	1.131	-0.194	1.412	-1.294	0.502	
33 R	1.382	-0.492	1.655	-0.839	1.412	1.746	-0.362	1.746	-0.839	0.643	
34 I	0.882	-1.510	1.384	0.033	1.093	1.257	-1.363	1.384	-1.510	0.254	
35 N	0.629	-1.360	1.636	1.132	1.330	1.276	-0.021	1.636	-1.360	0.660	
36 H	-0.313	-1.113	1.561	1.315	1.385	1.282	0.414	1.561	-1.113	0.647	
37 A	-1.160	-0.576	1.066	0.655	0.866	0.661	0.666	1.066	-1.160	0.311	
38 Y	-0.243	-0.218	1.356	-0.079	1.039	0.679	0.504	1.356	-0.243	0.434	
39 L	-0.325	1.002	1.047	-0.560	0.683	0.639	0.617	1.047	-0.560	0.443	
40 F	-0.325	1.834	1.132	-0.349	0.784	0.038	0.570	1.834	-0.349	0.526	
41 S	-0.193	2.044	1.561	-0.077	1.257	0.663	1.579	2.044	-0.193	0.976	
42 G	0.288	1.816	1.300	-0.179	0.975	0.643	1.247	1.816	-0.179	0.870	
43 P	0.958	2.020	1.169	-0.465	0.875	0.656	1.435	2.020	-0.465	0.950	
44 R	1.900	2.152	1.225	-0.765	0.875	0.651	1.184	2.152	-0.765	1.032	
45 G	1.849	2.194	1.524	-0.980	1.358	1.226	1.089	2.194	-0.980	1.180	
46 C	1.818	2.423	1.730	-0.910	1.558	1.246	1.130	2.423	-0.910	1.285	
47 G	2.096	2.387	1.636	-0.815	1.440	1.247	1.069	2.387	-0.815	1.294	
48 K	2.241	2.573	1.356	-0.374	1.121	0.642	1.230	2.573	-0.374	1.256	
49 T	2.014	1.417	1.365	0.145	1.166	0.642	0.220	2.014	0.145	0.996	
50 S	2.191	0.722	2.010	0.418	1.731	1.249	-0.403	2.191	-0.403	1.131	
51 S	1.325	-0.134	1.879	0.070	1.759	1.251	-0.082	1.879	-0.134	0.867	
52 A	0.383	-0.176	1.346	-0.845	1.130	0.662	0.288	1.346	-0.845	0.398	

53 R	0.187	0.680	1.150	-1.923	0.975	0.642	-0.763	1.150	-1.923	0.135
54 I	0.041	-0.338	1.431	-2.620	1.294	1.246	-0.924	1.431	-2.620	0.019
55 L	0.041	0.596	1.431	-2.564	1.294	1.246	-0.924	1.431	-2.564	0.160
56 A	-0.673	0.836	1.346	-2.128	1.303	1.252	0.521	1.346	-2.128	0.351
57 R	-0.496	0.836	1.216	-1.096	1.139	0.668	0.409	1.216	-1.096	0.382
58 S	0.098	0.513	1.141	-0.063	1.066	0.684	0.710	1.141	-0.063	0.593
59 L	0.813	0.285	1.225	0.854	1.057	0.678	-0.735	1.225	-0.735	0.597
60 N	1.059	0.848	1.552	1.217	1.431	0.721	0.438	1.552	0.438	1.038
61 C	1.154	0.730	1.113	0.988	0.911	0.096	0.439	1.154	0.096	0.776
62 A	0.876	0.694	1.206	0.275	1.030	0.095	0.499	1.206	0.095	0.668
63 Q	1.786	1.303	1.487	-0.124	1.175	0.110	0.105	1.786	-0.124	0.835
64 G	1.476	1.171	1.188	-0.442	0.866	0.069	-0.792	1.476	-0.792	0.505
65 P	1.830	0.580	1.702	-0.052	1.267	0.092	-1.527	1.830	-1.527	0.556
66 T	1.830	0.848	1.945	0.479	1.540	0.111	-0.297	1.945	-0.297	0.922
67 A	1.540	0.261	1.403	1.134	1.075	0.086	0.162	1.540	0.086	0.809
68 N	1.540	0.297	1.403	1.519	1.075	0.086	0.162	1.540	0.086	0.869
69 P	1.173	0.263	1.038	1.362	0.793	0.069	0.531	1.362	0.069	0.747
70 C	0.933	0.760	0.627	0.737	0.547	0.067	1.112	1.112	0.067	0.683
71 G	1.293	0.760	0.954	0.005	0.911	0.666	2.096	2.096	0.005	0.955
72 V	1.261	0.037	0.804	-0.454	0.756	0.646	2.369	2.369	-0.454	0.774
73 C	1.217	0.988	0.346	-0.304	0.392	0.644	2.771	2.771	-0.304	0.865
74 E	0.895	0.748	0.440	-0.005	0.474	0.628	2.738	2.738	-0.005	0.845
75 S	0.945	0.173	0.599	0.398	0.674	0.648	2.897	2.897	0.173	0.905
76 C	0.598	-0.324	0.636	0.432	0.692	0.652	2.743	2.743	-0.324	0.776
77 V	0.642	0.249	0.851	0.092	0.784	0.634	1.111	1.111	0.092	0.623
78 S	0.281	0.345	0.767	-0.236	0.692	0.054	1.357	1.357	-0.236	0.466
79 L	0.313	-0.152	0.917	-0.228	0.847	0.074	1.084	1.084	-0.228	0.408
80 A	0.357	0.680	1.132	0.017	0.938	0.056	-0.548	1.132	-0.548	0.376
81 P	0.724	1.535	1.496	0.784	1.221	0.074	-0.917	1.535	-0.917	0.702
82 N	0.673	0.852	1.337	0.970	1.020	0.054	-1.076	1.337	-1.076	0.547
83 A	1.666	0.782	1.571	1.016	1.166	0.068	-1.351	1.666	-1.351	0.703
84 P	1.028	0.686	1.431	0.433	1.148	0.070	-0.020	1.431	-0.020	0.682
85 G	1.527	0.231	1.459	0.220	1.194	0.540	-0.249	1.527	-0.249	0.703
86 S	0.850	0.179	1.038	-0.180	0.875	0.501	0.453	1.038	-0.180	0.531
87 I	0.484	-0.881	0.917	-0.180	0.866	0.503	2.052	2.052	-0.881	0.537
88 D	0.844	-0.017	1.001	-0.609	0.957	1.083	1.806	1.806	-0.609	0.723
89 V	-0.098	-0.556	0.926	-1.048	1.011	1.089	2.240	2.240	-1.048	0.509
90 V	0.123	-0.460	1.047	-1.442	1.175	1.558	2.072	2.072	-1.442	0.582
91 E	0.762	0.491	1.188	-1.394	1.194	1.556	0.740	1.556	-1.394	0.648
92 L	0.263	0.007	0.917	-1.208	0.875	1.067	-0.261	1.067	-1.208	0.237
93 D	0.907	0.838	1.188	-0.713	1.039	1.085	-0.690	1.188	-0.713	0.522
94 A	1.274	0.926	1.468	-0.097	1.221	1.704	-1.012	1.704	-1.012	0.784
95 A	1.141	0.830	1.132	0.419	0.811	1.104	-0.985	1.141	-0.985	0.636
96 S	2.083	1.369	1.206	0.975	0.756	1.099	-1.420	2.083	-1.420	0.867
97 H	1.217	1.052	0.814	0.845	0.428	0.611	-0.822	1.217	-0.822	0.592
98 G	1.717	1.453	1.085	0.538	0.747	1.100	0.179	1.717	0.179	0.974
99 G	2.216	1.639	1.356	0.215	1.066	1.589	1.180	2.216	0.215	1.323
100V	2.134	1.587	1.403	0.363	1.066	1.589	1.061	2.134	0.363	1.315
101D	2.267	1.479	1.674	0.646	1.367	1.594	0.793	2.267	0.646	1.403
102D	2.399	1.754	2.010	0.729	1.777	2.193	0.766	2.399	0.729	1.661
103T	1.457	1.754	1.935	-0.000	1.832	2.199	1.201	2.199	-0.000	1.483
104R	1.957	2.076	2.487	-1.051	2.315	2.822	0.612	2.822	-1.051	1.602
105E	1.957	1.263	2.487	-1.705	2.315	2.822	0.612	2.822	-1.705	1.393
106L	1.590	0.513	2.646	-1.853	2.470	2.958	0.620	2.958	-1.853	1.278
107R	1.394	0.311	2.449	-1.486	2.315	2.938	-0.431	2.938	-1.486	1.070
108D	0.547	-0.502	1.954	-1.123	1.795	2.317	-0.179	2.317	-1.123	0.687
109R	-0.066	-0.683	1.879	-1.007	1.668	1.737	0.179	1.879	-1.007	0.530
110A	0.648	-1.592	1.963	-1.118	1.658	1.732	-1.266	1.963	-1.592	0.289
111F	0.515	-1.101	1.776	-1.017	1.458	1.126	-1.045	1.776	-1.101	0.245

112Y	-0.351	-0.072	1.384	-1.094	1.130	0.639	-0.447	1.384	-1.094	0.170
113A	-0.237	1.149	1.281	-0.889	1.030	0.056	-0.283	1.281	-0.889	0.301
114P	0.041	0.742	1.431	-0.634	1.185	0.076	0.887	1.431	-0.634	0.533
115V	0.888	1.197	1.926	-0.485	1.704	0.697	0.635	1.926	-0.485	0.937
116Q	0.888	1.197	1.926	-0.328	1.704	0.697	0.635	1.926	-0.328	0.960
117S	1.021	0.532	2.356	-0.482	2.178	1.322	1.644	2.356	-0.482	1.224
118R	0.655	-0.649	1.991	-0.976	1.895	1.304	2.013	2.013	-0.976	0.890
119Y	0.307	-1.558	2.047	-1.421	1.859	1.307	1.675	2.047	-1.558	0.602
120R	-0.578	-0.613	1.580	-1.798	1.467	1.266	1.834	1.834	-1.798	0.451
121V	-1.223	-0.851	1.309	-2.006	1.303	1.248	2.262	2.262	-2.006	0.292
122F	-0.857	-0.755	1.150	-1.739	1.148	1.112	2.254	2.254	-1.739	0.331
123I	-0.243	-0.490	1.225	-1.528	1.276	1.692	1.896	1.896	-1.528	0.547
124V	-0.376	-0.280	0.795	-1.154	0.802	1.067	0.887	1.067	-1.154	0.249
125D	-0.009	-0.280	1.075	-0.574	0.984	1.686	0.565	1.686	-0.574	0.492
126E	0.307	-0.328	1.132	-0.357	1.075	1.699	0.259	1.699	-0.357	0.541
127A	0.579	-0.412	1.150	-0.177	1.084	1.699	0.526	1.699	-0.412	0.635
128H	1.141	-0.412	1.468	-0.271	1.248	1.717	-0.022	1.717	-0.412	0.696
129M	0.838	0.125	1.393	-0.572	1.084	1.248	0.028	1.393	-0.572	0.592
130V	0.477	0.065	1.066	-0.803	0.720	0.648	-0.956	1.066	-0.956	0.174
131T	0.705	0.770	1.057	-0.843	0.674	0.648	0.054	1.057	-0.843	0.438
132T	-0.009	0.279	0.832	-0.994	0.455	0.033	0.038	0.832	-0.994	0.091
133A	0.699	-0.416	1.141	-0.531	0.720	0.056	-0.020	1.141	-0.531	0.236
134G	1.065	-0.621	1.262	-0.120	0.729	0.055	-1.618	1.262	-1.618	0.107
135F	0.155	-0.416	0.982	0.370	0.583	0.040	-1.224	0.982	-1.224	0.070
136N	-0.755	-0.566	0.702	0.341	0.437	0.025	-0.830	0.702	-0.830	-0.092
137A	-0.528	-1.272	1.150	-0.279	1.075	0.620	0.245	1.150	-1.272	0.145
138L	-1.394	-0.697	1.019	-1.396	1.103	0.622	0.566	1.103	-1.396	-0.025
139L	-1.046	0.083	0.963	-2.247	1.139	0.619	0.904	1.139	-2.247	0.059
140K	-0.996	0.646	0.991	-2.845	1.194	1.178	0.991	1.194	-2.845	0.166
141I	-0.635	0.173	1.318	-2.845	1.558	1.778	1.975	1.975	-2.845	0.474
142V	0.079	1.072	1.646	-2.548	1.823	1.791	1.760	1.823	-2.548	0.803
143E	0.794	1.259	1.973	-1.976	2.087	1.805	1.545	2.087	-1.976	1.069
144E	0.926	0.479	1.851	-1.344	1.813	1.810	1.453	1.851	-1.344	0.999
145P	1.565	-0.420	2.150	-0.424	2.005	2.428	1.399	2.428	-0.424	1.243
146P	1.217	-0.953	2.188	0.071	2.023	2.432	1.245	2.432	-0.953	1.175
147E	0.218	-1.636	1.720	0.247	1.640	1.834	1.593	1.834	-1.636	0.802
148H	-0.857	-2.386	1.328	-0.008	1.230	1.239	1.871	1.871	-2.386	0.345
149L	-1.495	-2.476	0.945	-0.732	0.938	1.221	1.972	1.972	-2.476	0.053
150I	-2.210	-1.781	0.636	-1.391	0.619	1.207	2.003	2.003	-2.210	-0.131
151F	-2.570	-0.965	0.309	-1.706	0.255	0.607	1.020	1.020	-2.570	-0.436
152I	-2.374	-0.216	0.346	-1.747	0.237	0.007	0.793	0.793	-2.374	-0.422
153F	-1.464	0.467	0.627	-1.387	0.382	0.022	0.399	0.627	-1.464	-0.136
154A	-0.465	1.217	1.094	-1.014	0.765	0.620	0.051	1.217	-1.014	0.324
155T	0.250	2.048	1.403	-0.769	1.084	0.634	0.020	2.048	-0.769	0.667
156T	1.249	1.461	1.870	-0.648	1.467	1.232	-0.328	1.870	-0.648	0.900
157E	2.191	0.766	2.384	-0.835	2.151	1.822	-0.514	2.384	-0.835	1.138
158P	1.824	0.550	2.262	-1.157	2.142	1.824	1.084	2.262	-1.157	1.218
159E	0.914	0.682	1.982	-1.623	1.996	1.809	1.479	1.996	-1.623	1.034
160K	0.718	-0.218	2.029	-1.893	2.114	1.809	1.658	2.114	-1.893	0.888
161V	0.553	-0.236	1.898	-1.746	1.905	1.229	1.725	1.905	-1.746	0.761
162L	-0.085	0.716	1.515	-1.514	1.613	1.212	1.827	1.827	-1.514	0.755
163P	-0.313	1.734	1.617	-1.271	1.722	1.237	1.852	1.852	-1.271	0.940
164T	-0.262	1.866	1.318	-1.152	1.239	0.662	1.947	1.947	-1.152	0.803
165I	0.237	1.465	1.870	-1.331	1.722	1.285	1.357	1.870	-1.331	0.944
166R	1.148	1.880	2.150	-1.198	1.868	1.300	0.963	2.150	-1.198	1.159
167S	1.148	0.660	2.066	-0.700	1.768	1.901	1.010	2.066	-0.700	1.122
168R	0.952	0.163	2.029	0.290	1.786	2.501	1.237	2.501	0.163	1.280
169T	1.337	-0.825	2.421	1.343	2.041	2.518	1.247	2.518	-0.825	1.441
170H	1.205	-0.502	2.234	2.229	1.841	1.913	1.468	2.234	-0.502	1.484

171H	0.212	-0.797	2.019	2.241	1.640	1.897	1.560	2.241	-0.797	1.253
172Y	0.212	-1.091	2.019	1.634	1.640	1.897	1.560	2.019	-1.091	1.124
173P	-0.698	-0.326	1.739	0.520	1.494	1.882	1.954	1.954	-0.698	0.938
174F	-1.413	-0.326	1.496	-0.659	1.330	1.268	2.121	2.121	-1.413	0.545
175R	-1.413	0.662	1.580	-1.430	1.431	0.667	2.074	2.074	-1.430	0.510
176L	-1.160	0.339	1.571	-1.541	1.467	0.666	1.962	1.962	-1.541	0.472
177L	-1.027	0.429	1.758	-1.339	1.668	1.272	1.741	1.758	-1.339	0.643
178P	-0.117	1.447	2.019	-0.878	1.868	1.288	1.531	2.019	-0.878	1.023
179P	-0.648	1.089	1.580	-0.756	1.440	0.680	1.476	1.580	-0.756	0.694
180R	0.199	0.525	2.094	-1.050	1.905	1.300	1.040	2.094	-1.050	0.859
181T	0.914	-0.492	2.178	-1.605	1.895	1.294	-0.405	2.178	-1.605	0.540
182M	0.199	-0.983	1.851	-2.154	1.631	1.281	-0.190	1.851	-2.154	0.234
183R	-0.515	-0.056	1.524	-2.526	1.367	1.267	0.025	1.524	-2.526	0.155
184A	-0.648	-1.194	1.094	-2.554	0.893	0.642	-0.984	1.094	-2.554	-0.393
185L	-0.711	-1.158	1.328	-2.616	1.212	1.247	-1.025	1.328	-2.616	-0.246
186L	-0.951	-0.378	1.197	-2.622	1.148	1.232	-0.649	1.232	-2.622	-0.146
187A	-1.128	0.317	0.552	-2.498	0.583	0.625	-0.025	0.625	-2.498	-0.225
188R	-0.768	0.892	0.879	-2.368	0.948	1.224	0.958	1.224	-2.368	0.252
189I	0.193	0.706	1.290	-1.921	1.312	1.261	0.687	1.312	-1.921	0.504
190C	1.268	0.934	1.702	-1.553	1.668	1.856	0.225	1.856	-1.553	0.871
191E	1.495	0.802	1.692	-1.292	1.622	1.856	1.236	1.856	-1.292	1.059
192Q	0.996	0.131	1.141	-1.377	1.139	1.233	1.825	1.825	-1.377	0.727
193E	1.268	0.179	1.160	-1.541	1.148	1.232	2.093	2.093	-1.541	0.791
194G	0.945	0.143	1.253	-1.892	1.230	1.216	2.059	2.059	-1.892	0.708
195V	1.084	-0.484	1.197	-1.716	1.185	1.105	2.076	2.076	-1.716	0.635
196V	1.337	-0.484	1.141	-1.199	1.130	1.552	1.904	1.904	-1.199	0.769
197V	0.977	-0.795	0.814	-0.364	0.765	0.952	0.920	0.977	-0.795	0.467
198D	0.383	-0.340	0.702	0.282	0.802	0.954	1.509	1.509	-0.340	0.613
199D	0.496	-1.083	1.075	0.355	1.048	0.972	1.252	1.252	-1.083	0.588
200A	0.863	-1.719	1.440	-0.057	1.330	0.989	0.883	1.440	-1.719	0.533
201V	0.515	-2.043	1.477	-0.616	1.349	0.993	0.730	1.477	-2.043	0.343
202Y	-0.351	-1.133	1.085	-0.994	1.020	0.506	1.327	1.327	-1.133	0.209
203P	-1.489	-0.727	0.674	-1.359	0.683	0.019	1.658	1.658	-1.489	-0.077
204L	-1.356	-0.458	1.103	-1.737	1.157	0.643	2.667	2.667	-1.737	0.289
205V	-0.989	0.373	1.225	-2.278	1.166	0.642	1.068	1.225	-2.278	0.172
206I	-0.509	1.097	0.963	-2.605	0.884	0.622	0.736	1.097	-2.605	0.170
207R	-0.281	2.277	0.711	-2.650	0.565	0.603	0.517	2.277	-2.650	0.249
208A	0.661	1.822	0.786	-2.330	0.510	0.598	0.082	1.822	-2.330	0.304
209G	1.306	2.635	1.057	-1.778	0.674	0.616	-0.347	2.635	-1.778	0.595
210G	1.944	2.547	1.440	-1.088	0.966	0.634	-0.449	2.547	-1.088	0.856
211G	1.944	2.411	1.440	-0.499	0.966	0.634	-0.449	2.411	-0.499	0.921
212S	2.444	1.579	1.711	0.092	1.285	1.122	0.553	2.444	0.092	1.255
213P	2.412	1.579	1.917	0.350	1.485	1.142	0.593	2.412	0.350	1.354
214R	1.470	1.125	1.842	0.343	1.540	1.148	1.028	1.842	0.343	1.214
215D	1.521	0.107	2.001	0.363	1.741	1.168	1.187	2.001	0.107	1.155
216T	0.876	0.107	1.730	0.123	1.576	1.149	1.616	1.730	0.107	1.025
217L	0.161	0.107	1.403	-0.191	1.312	1.136	1.831	1.831	-0.191	0.823
218S	0.528	0.107	1.244	-0.283	1.157	1.000	1.823	1.823	-0.283	0.797
219V	0.275	-0.953	1.300	-0.430	1.212	0.554	1.995	1.995	-0.953	0.565
220L	-0.635	-0.857	1.019	-0.374	1.066	0.539	2.390	2.390	-0.857	0.450
221D	-0.635	-0.026	1.019	-0.339	1.066	0.539	2.390	2.390	-0.635	0.573
222Q	-0.913	-0.564	0.870	-0.746	0.911	0.519	1.220	1.220	-0.913	0.185
223L	-0.319	-1.055	0.982	-1.291	0.875	0.517	0.631	0.982	-1.291	0.049
224L	0.395	-0.312	1.066	-1.773	0.866	0.512	-0.814	1.066	-1.773	-0.009
225A	-0.104	0.383	0.795	-2.105	0.547	0.023	-1.815	0.795	-2.105	-0.325
226G	0.149	0.473	0.739	-1.823	0.492	0.470	-1.987	0.739	-1.987	-0.212
227A	1.059	-0.250	1.019	-1.287	0.638	0.484	-2.381	1.059	-2.381	-0.103
228A	1.774	0.241	1.262	-0.248	0.802	1.099	-2.549	1.774	-2.549	0.340
229D	1.407	-0.166	1.141	0.606	0.793	1.100	-0.950	1.407	-0.950	0.561

230T	1.375	-0.214	1.346	1.267	0.993	1.120	-0.910	1.375	-0.910	0.711
231H	1.122	0.109	1.599	1.168	1.230	1.139	0.432	1.599	0.109	0.971
232V	1.318	0.019	1.795	0.759	1.385	1.159	1.483	1.795	0.019	1.131
233T	0.952	-0.090	1.954	-0.071	1.540	1.295	1.491	1.954	-0.090	1.010
234Y	0.756	0.047	1.758	-0.580	1.385	1.275	0.440	1.758	-0.580	0.726
235T	0.041	0.249	1.515	-1.258	1.221	0.661	0.608	1.515	-1.258	0.434
236R	0.636	-0.446	1.627	-1.621	1.185	0.659	0.020	1.627	-1.621	0.294
237A	-0.275	-0.633	1.346	-2.046	1.039	0.645	0.414	1.346	-2.046	0.070
238L	-0.736	-0.729	1.010	-2.222	0.811	0.631	0.517	1.010	-2.222	-0.103
239G	-0.705	-0.034	0.804	-2.311	0.610	0.611	0.476	0.804	-2.311	-0.078
240L	-1.204	-0.122	0.253	-2.268	0.127	-0.012	1.066	1.066	-2.268	-0.309
241L	-1.008	-0.013	0.449	-2.109	0.282	0.008	2.117	2.117	-2.109	-0.039
242G	0.206	0.191	0.804	-1.587	0.592	0.491	1.673	1.673	-1.587	0.339
243V	-0.389	-0.641	0.692	-0.992	0.629	0.493	2.261	2.261	-0.992	0.293
244T	0.326	-0.869	0.776	-0.421	0.619	0.487	0.816	0.816	-0.869	0.248
245D	0.326	-0.821	0.776	-0.356	0.619	0.487	0.816	0.816	-0.821	0.264
246V	-0.540	-0.821	0.646	-0.901	0.647	0.489	1.138	1.138	-0.901	0.094
247A	0.326	-0.725	1.038	-1.387	0.975	0.976	0.540	1.038	-1.387	0.249
248L	0.629	-0.821	1.113	-1.370	1.139	1.445	0.490	1.445	-1.370	0.375
249I	0.130	-0.078	0.842	-0.857	0.820	0.956	-0.511	0.956	-0.857	0.186
250D	0.130	0.247	0.842	-0.093	0.820	0.956	-0.511	0.956	-0.511	0.342
251D	0.629	-0.496	1.113	0.382	1.139	1.445	0.490	1.445	-0.496	0.672
252A	1.344	-1.035	1.197	0.207	1.130	1.440	-0.955	1.440	-1.035	0.475
253V	1.268	-1.035	1.253	-0.095	1.157	1.444	-0.842	1.444	-1.035	0.450
254D	0.768	-0.903	0.982	-0.610	0.838	0.955	-1.843	0.982	-1.843	0.027
255A	0.269	-0.903	0.711	-1.132	0.519	0.466	-2.844	0.711	-2.844	-0.416
256L	0.225	-0.903	0.496	-1.427	0.428	0.484	-1.212	0.496	-1.427	-0.273
257A	1.091	-0.699	0.889	-1.226	0.756	0.971	-1.809	1.091	-1.809	-0.004
258A	0.591	-0.699	0.618	-0.800	0.437	0.482	-2.810	0.618	-2.810	-0.312
259C	0.591	-0.903	0.618	-0.162	0.437	0.482	-2.810	0.618	-2.810	-0.250
260D	1.306	-1.113	0.702	-0.074	0.428	0.477	-4.255	1.306	-4.255	-0.362
261A	0.591	-1.025	0.618	-0.606	0.437	0.482	-2.810	0.618	-2.810	-0.331
262A	-0.123	-1.025	0.552	-1.245	0.392	0.486	-1.549	0.552	-1.549	-0.359
263A	0.149	-1.350	0.758	-1.676	0.437	0.468	-2.171	0.758	-2.171	-0.484
264L	-0.351	-0.775	0.487	-1.764	0.118	-0.021	-3.172	0.487	-3.172	-0.783
265F	-0.989	0.285	0.346	-1.716	0.100	-0.019	-1.840	0.346	-1.840	-0.548
266G	-0.629	0.363	0.674	-1.853	0.465	0.581	-0.857	0.674	-1.853	-0.179
267A	-0.351	-0.589	0.823	-1.932	0.619	0.601	0.313	0.823	-1.932	-0.073
268I	-0.003	-0.050	0.786	-1.864	0.601	0.597	0.467	0.786	-1.864	0.076
269E	0.073	0.902	0.711	-1.648	0.629	0.595	0.538	0.902	-1.648	0.257
270S	0.345	0.954	0.991	-1.177	0.993	1.084	0.528	1.084	-1.177	0.531
271V	0.572	0.189	0.982	-0.955	0.948	1.084	1.539	1.539	-0.955	0.623
272I	1.438	0.824	1.113	-0.769	0.920	1.082	1.217	1.438	-0.769	0.832
273D	1.078	1.507	0.945	-0.327	0.729	1.102	1.511	1.511	-0.327	0.935
274G	1.299	1.782	1.066	0.247	0.893	1.571	1.342	1.782	0.247	1.171
275G	1.666	1.968	1.431	1.083	1.175	1.588	0.973	1.968	0.973	1.412
276H	2.437	1.167	2.001	1.648	1.668	2.211	0.651	2.437	0.651	1.683
277D	2.071	1.076	2.160	1.380	1.823	2.347	0.659	2.347	0.659	1.645
278P	1.129	1.028	2.103	0.570	1.823	2.351	0.910	2.351	0.570	1.416
279R	0.901	1.209	2.113	-0.504	1.868	2.351	-0.101	2.351	-0.504	1.120
280R	1.097	0.191	2.150	-1.244	1.850	1.751	-0.327	2.150	-1.244	0.781
281F	1.097	-0.827	2.150	-1.131	1.850	1.751	-0.327	2.150	-1.131	0.652
282A	0.383	-0.078	1.823	-0.710	1.586	1.738	-0.112	1.823	-0.710	0.661
283T	-0.465	0.736	1.309	-0.300	1.121	1.118	0.324	1.309	-0.465	0.549
284D	-0.237	0.071	1.206	-0.388	1.011	1.093	0.298	1.206	-0.388	0.436
285L	0.610	0.345	1.702	-1.023	1.531	1.714	0.046	1.714	-1.023	0.704
286L	-0.104	1.089	1.636	-1.622	1.485	1.718	1.308	1.718	-1.622	0.787
287E	-0.167	1.089	1.870	-2.038	1.804	2.323	1.266	2.323	-2.038	0.878
288R	-0.167	0.189	1.870	-1.840	1.804	2.323	1.266	2.323	-1.840	0.778

289F	-0.167	-0.721	1.870	-1.391	1.804	2.323	1.266	2.323	-1.391	0.712
290R	-0.092	-0.751	1.814	-1.012	1.777	2.319	1.153	2.319	-1.012	0.744
291D	-0.819	-1.073	1.365	-1.085	1.403	1.721	1.768	1.768	-1.085	0.469
292L	-1.666	-0.757	0.851	-1.492	0.938	1.102	2.203	2.203	-1.666	0.169
293I	-0.705	-0.649	1.244	-2.010	1.358	1.140	2.116	2.116	-2.010	0.356
294V	-0.559	0.035	0.963	-1.879	1.039	0.535	2.276	2.276	-1.879	0.344
295L	-1.426	0.670	0.571	-1.524	0.711	0.048	2.874	2.874	-1.524	0.275
296Q	-0.711	0.874	0.898	-0.702	0.975	0.062	2.659	2.659	-0.711	0.579
297S	0.427	0.383	1.309	0.039	1.312	0.549	2.328	2.328	0.039	0.907
298V	0.794	0.383	1.431	0.382	1.321	0.547	0.730	1.431	0.382	0.798
299P	1.508	1.293	1.515	0.443	1.312	0.542	-0.716	1.515	-0.716	0.842
300D	1.540	1.561	1.337	0.359	1.093	0.519	-0.719	1.561	-0.719	0.813
301A	1.394	0.926	1.617	-0.095	1.412	1.124	-0.880	1.617	-0.880	0.786
302A	1.989	0.830	1.730	-0.388	1.376	1.122	-1.468	1.989	-1.468	0.741
303S	1.622	1.369	1.365	-0.808	1.093	1.105	-1.099	1.622	-1.099	0.664
304R	0.756	0.513	0.973	-1.256	0.765	0.618	-0.502	0.973	-1.256	0.267
305G	1.255	0.059	1.244	-1.343	1.084	1.107	0.499	1.255	-1.343	0.558
306V	1.255	0.007	1.244	-1.254	1.084	1.107	0.499	1.255	-1.254	0.563
307V	0.977	0.642	1.337	-0.852	1.203	1.106	0.560	1.337	-0.852	0.710
308D	1.205	0.738	1.234	-0.456	1.093	1.080	0.534	1.234	-0.456	0.776
309A	1.476	-0.005	1.515	-0.087	1.458	1.569	0.525	1.569	-0.087	0.922
310P	1.843	0.534	1.636	-0.117	1.467	1.568	-1.074	1.843	-1.074	0.837
311E	1.495	0.988	1.674	-0.134	1.485	1.572	-1.228	1.674	-1.228	0.836
312D	1.495	0.299	1.674	-0.260	1.485	1.572	-1.228	1.674	-1.228	0.720
313A	1.628	0.574	2.103	-0.353	1.959	2.196	-0.218	2.196	-0.353	1.127
314L	1.230	1.149	1.851	-0.666	1.731	2.195	-0.494	2.195	-0.666	0.999
315D	1.002	1.844	1.954	-1.032	1.841	2.220	-0.468	2.220	-1.032	1.052
316R	0.863	1.305	2.010	-1.704	1.886	2.330	-0.486	2.330	-1.704	0.886
317M	1.110	0.491	2.337	-2.158	2.260	2.373	0.688	2.373	-2.158	1.014
318R	1.824	1.419	2.421	-2.291	2.251	2.367	-0.757	2.421	-2.291	1.034
319E	1.325	0.281	2.150	-2.210	1.932	1.878	-1.758	2.150	-2.210	0.514
320Q	1.325	0.333	2.150	-1.963	1.932	1.878	-1.758	2.150	-1.963	0.557
321A	1.084	0.656	2.019	-2.013	1.868	1.863	-1.381	2.019	-2.013	0.585
322A	1.179	0.656	1.580	-2.279	1.349	1.238	-1.380	1.580	-2.279	0.335
323R	0.952	1.147	1.683	-2.577	1.458	1.263	-1.355	1.683	-2.577	0.367
324I	0.705	0.129	1.356	-2.720	1.084	1.221	-2.528	1.356	-2.720	-0.108
325G	0.901	0.944	1.552	-2.515	1.239	1.241	-1.477	1.552	-2.515	0.269
326R	0.187	1.131	1.468	-2.229	1.248	1.246	-0.032	1.468	-2.229	0.431
327A	0.250	-0.090	1.234	-1.787	0.929	0.642	0.009	1.234	-1.787	0.170
328T	1.021	-0.090	1.804	-1.511	1.422	1.264	-0.313	1.804	-1.511	0.514
329L	0.541	-0.005	2.066	-1.361	1.704	1.284	0.019	2.066	-1.361	0.607
330T	0.408	0.103	1.636	-1.428	1.230	0.659	-0.991	1.636	-1.428	0.231
331R	0.768	-0.484	1.963	-1.565	1.595	1.259	-0.007	1.963	-1.565	0.504
332Y	0.206	-0.807	1.646	-1.837	1.431	1.240	0.541	1.646	-1.837	0.346
333A	0.553	-0.400	1.608	-1.970	1.412	1.236	0.695	1.608	-1.970	0.448
334E	0.604	0.227	1.739	-2.059	1.631	1.259	0.817	1.739	-2.059	0.603
335V	0.471	-0.552	1.309	-1.955	1.157	0.634	-0.192	1.309	-1.955	0.125
336V	0.952	0.171	1.047	-1.783	0.875	0.615	-0.524	1.047	-1.783	0.193
337Q	0.237	0.842	0.963	-1.678	0.884	0.620	0.921	0.963	-1.678	0.399
338A	0.104	0.237	0.627	-1.671	0.474	0.021	0.948	0.948	-1.671	0.106
339G	0.832	1.050	1.075	-1.844	0.847	0.619	0.333	1.075	-1.844	0.416
340L	0.800	1.050	1.188	-2.063	0.902	0.634	-0.311	1.188	-2.063	0.314
341G	0.686	1.255	1.290	-2.359	1.002	1.217	-0.475	1.290	-2.359	0.374
342E	0.914	1.119	1.281	-2.538	0.957	1.217	0.535	1.281	-2.538	0.498
343M	0.686	0.544	1.290	-2.662	1.002	1.217	-0.475	1.290	-2.662	0.229
344R	1.597	1.016	1.571	-2.442	1.148	1.231	-0.869	1.597	-2.442	0.464
345G	1.369	1.016	1.580	-2.116	1.194	1.231	-1.880	1.580	-2.116	0.342
346A	1.009	0.185	1.496	-1.559	1.103	0.651	-1.634	1.496	-1.634	0.179
347T	1.540	-0.019	1.935	-1.221	1.531	1.258	-1.579	1.935	-1.579	0.492

348A	0.692	-0.715	1.421	-1.087	1.066	0.639	-1.143	1.421	-1.143	0.125
349P	-0.250	-0.140	1.346	-1.350	1.121	0.644	-0.709	1.346	-1.350	0.095
350R	-0.964	-0.595	1.262	-1.741	1.130	0.650	0.736	1.262	-1.741	0.068
351L	-0.800	-1.504	1.393	-2.237	1.339	1.229	0.669	1.393	-2.237	0.013
352L	-1.166	-1.264	1.272	-2.445	1.330	1.231	2.268	2.268	-2.445	0.175
353L	-1.533	-1.059	0.907	-2.562	1.048	1.213	2.637	2.637	-2.562	0.093
354E	-1.710	-0.042	0.262	-2.247	0.483	0.607	3.260	3.260	-2.247	0.088
355V	-0.996	-0.821	0.346	-1.905	0.474	0.601	1.815	1.815	-1.905	-0.069
356V	-0.148	-0.929	0.860	-1.544	0.938	1.220	1.379	1.379	-1.544	0.254
357C	-0.148	-1.037	0.860	-1.449	0.938	1.220	1.379	1.379	-1.449	0.252
358A	-1.223	-0.715	0.449	-1.672	0.583	0.626	1.840	1.840	-1.672	-0.016
359R	-1.571	0.141	0.487	-2.112	0.601	0.630	1.687	1.687	-2.112	-0.020
360L	-1.204	-0.673	0.851	-2.235	0.884	0.647	1.318	1.318	-2.235	-0.059
361L	-0.882	0.387	1.216	-1.929	1.130	0.650	0.856	1.216	-1.929	0.204
362L	-0.882	1.131	1.216	-1.231	1.130	0.650	0.856	1.216	-1.231	0.410
363P	-0.736	1.335	0.935	-0.302	0.811	0.045	1.016	1.335	-0.736	0.443
364S	0.477	1.551	1.290	0.471	1.121	0.529	0.572	1.551	0.471	0.859
365A	1.192	1.551	1.375	0.873	1.112	0.523	-0.873	1.551	-0.873	0.822
366S	2.267	1.551	1.786	0.890	1.467	1.117	-1.334	2.267	-1.334	1.106
367D	2.545	0.491	1.692	0.664	1.349	1.119	-1.394	2.545	-1.394	0.924
368A	2.267	-0.252	1.543	0.086	1.194	1.098	-2.564	2.267	-2.564	0.482
369E	1.552	0.239	1.459	-0.329	1.203	1.104	-1.119	1.552	-1.119	0.587
370S	0.560	0.477	1.225	-0.848	1.057	1.089	-0.844	1.225	-0.848	0.388
371A	0.307	-0.474	1.281	-1.247	1.112	0.643	-0.672	1.281	-1.247	0.136
372L	0.440	0.101	1.711	-1.619	1.586	1.267	0.338	1.711	-1.619	0.546
373L	-0.288	1.119	1.262	-1.798	1.212	0.669	0.953	1.262	-1.798	0.447
374Q	-0.205	0.998	1.440	-2.027	1.422	1.249	0.766	1.440	-2.027	0.520
375R	-0.073	1.082	1.870	-2.115	1.895	1.874	1.776	1.895	-2.115	0.901
376V	0.003	0.760	1.814	-2.381	1.868	1.870	1.662	1.870	-2.381	0.799
377E	1.078	1.670	2.225	-2.621	2.224	2.464	1.201	2.464	-2.621	1.177
378R	1.028	0.890	2.094	-2.723	2.005	2.442	1.079	2.442	-2.723	0.973
379I	1.028	0.616	2.094	-2.587	2.005	2.442	1.079	2.442	-2.587	0.954
380E	0.680	0.826	2.132	-2.317	2.023	2.445	0.925	2.445	-2.317	0.959
381T	0.819	1.107	2.075	-1.813	1.977	2.335	0.942	2.335	-1.813	1.063
382R	0.288	0.291	1.636	-1.504	1.549	1.727	0.888	1.727	-1.504	0.696
383L	1.205	-0.164	1.926	-0.948	1.722	1.746	0.726	1.926	-0.948	0.888
384D	0.206	0.041	1.459	-0.731	1.339	1.148	1.074	1.459	-0.731	0.648
385M	0.010	-0.140	1.505	-0.509	1.458	1.147	1.253	1.505	-0.509	0.675
386S	-0.123	0.465	1.075	-0.641	0.984	0.522	0.244	1.075	-0.641	0.361
387I	0.591	-0.390	1.403	-0.594	1.248	0.536	0.029	1.403	-0.594	0.403
388P	0.338	-0.162	1.459	-0.732	1.303	0.089	0.201	1.459	-0.732	0.357
389A	0.737	-0.162	1.468	-0.508	1.257	0.072	-0.754	1.468	-0.754	0.302
390P	0.092	0.652	1.197	-0.666	1.093	0.054	-0.325	1.197	-0.666	0.299
391Q	0.730	0.652	1.580	-0.655	1.385	0.071	-0.427	1.580	-0.655	0.477
392A	0.863	1.016	1.767	-1.022	1.586	0.676	-0.647	1.767	-1.022	0.606
393V	0.863	1.016	2.010	-1.007	1.859	0.695	0.583	2.010	-1.007	0.860
394P	1.141	1.113	1.917	-0.802	1.741	0.697	0.523	1.917	-0.802	0.904
395R	0.895	0.754	1.589	-0.438	1.367	0.654	-0.651	1.589	-0.651	0.596
396P	0.895	-0.060	1.589	-0.161	1.367	0.654	-0.651	1.589	-0.651	0.519
397S	1.261	0.157	1.711	-0.250	1.376	0.653	-2.250	1.711	-2.250	0.380
398A	1.261	-0.340	1.468	-0.822	1.103	0.634	-3.480	1.468	-3.480	-0.025
399A	1.489	0.491	1.365	-1.432	0.993	0.608	-3.505	1.489	-3.505	0.001
400A	1.489	0.582	1.365	-1.768	0.993	0.608	-3.505	1.489	-3.505	-0.034
401A	1.438	1.072	1.664	-1.875	1.476	1.183	-3.600	1.664	-3.600	0.194
402E	1.438	1.431	1.823	-1.221	1.649	1.803	-2.323	1.823	-2.323	0.657
403P	1.685	0.856	2.150	-0.543	2.023	1.845	-1.149	2.150	-1.149	0.981
404K	1.685	1.311	2.393	0.335	2.296	1.864	0.081	2.393	0.081	1.424
405H	1.685	1.054	2.393	0.731	2.296	1.864	0.081	2.393	0.081	1.444
406Q	1.457	1.323	2.496	0.643	2.406	1.889	0.106	2.496	0.106	1.474

407P	1.818	1.646	2.580	-0.191	2.497	2.470	-0.140	2.580	-0.191	1.526
408A	1.590	1.646	2.374	-0.855	2.132	1.894	0.015	2.374	-0.855	1.257
409R	1.723	1.549	2.646	-1.572	2.433	1.899	-0.253	2.646	-1.572	1.204
410E	1.476	0.532	2.561	-1.470	2.333	1.876	-0.197	2.561	-1.470	1.016
411P	1.110	-0.044	2.197	-1.322	2.050	1.858	0.172	2.197	-1.322	0.860
412R	0.395	-0.044	2.113	-1.124	2.060	1.864	1.617	2.113	-1.124	0.983
413P	0.263	-0.366	1.683	-1.252	1.586	1.239	0.608	1.683	-1.252	0.537
414V	-0.098	-0.366	1.599	-1.355	1.494	0.658	0.854	1.599	-1.355	0.398
415L	0.098	-0.270	1.552	-1.433	1.376	0.659	0.675	1.552	-1.433	0.380
416A	-0.035	0.790	1.365	-0.959	1.175	0.054	0.896	1.365	-0.959	0.470
417P	-0.035	1.646	1.122	-0.558	0.902	0.035	-0.334	1.646	-0.558	0.397
418T	0.610	1.862	1.393	0.001	1.066	0.053	-0.763	1.862	-0.763	0.603
419P	1.603	1.730	1.627	0.353	1.212	0.068	-1.038	1.730	-1.038	0.793
420A	1.963	1.862	1.954	0.547	1.576	0.667	-0.054	1.963	-0.054	1.217
421S	1.963	1.766	1.954	0.668	1.576	0.667	-0.054	1.963	-0.054	1.220
422S	1.963	0.910	1.954	0.644	1.576	0.667	-0.054	1.963	-0.054	1.094
423E	1.597	0.055	1.589	0.314	1.294	0.650	0.314	1.597	0.055	0.830
424P	1.597	-0.617	1.589	-0.105	1.294	0.650	0.314	1.597	-0.617	0.675
425T	1.318	-0.162	1.440	-0.699	1.139	0.630	-0.855	1.440	-0.855	0.402
426V	0.673	0.203	1.169	-1.317	0.975	0.611	-0.427	1.169	-1.317	0.270
427A	0.446	0.185	1.272	-1.775	1.084	0.637	-0.401	1.272	-1.775	0.207
428A	0.724	-0.318	1.178	-1.899	0.966	0.638	-0.461	1.178	-1.899	0.118
429V	0.130	0.041	0.973	-1.865	0.856	0.635	-0.557	0.973	-1.865	0.030
430R	-0.269	0.628	1.113	-1.583	0.884	0.659	-1.124	1.113	-1.583	0.044
431S	-0.269	-0.282	1.356	-1.373	1.157	0.678	0.106	1.356	-1.373	0.196
432M	-0.073	-0.324	1.552	-1.196	1.312	0.697	1.157	1.552	-1.196	0.447
433W	-0.073	0.329	1.552	-1.085	1.312	0.697	1.157	1.552	-1.085	0.556
434P	-0.073	1.664	1.552	-0.941	1.312	0.697	1.157	1.664	-0.941	0.767
435T	0.149	1.209	1.674	-0.854	1.476	1.166	0.988	1.674	-0.854	0.830
436V	0.775	1.531	2.132	-0.849	2.069	1.744	1.109	2.132	-0.849	1.216
437R	1.173	1.423	1.991	-0.834	2.041	1.720	1.675	2.041	-0.834	1.313
438D	1.306	1.423	2.178	-1.057	2.242	2.326	1.454	2.326	-1.057	1.410
439K	0.395	1.740	1.898	-1.402	2.096	2.311	1.849	2.311	-1.402	1.270
440V	0.895	1.722	2.449	-1.959	2.579	2.934	1.259	2.934	-1.959	1.411
441R	1.040	2.309	2.169	-2.081	2.260	2.330	1.420	2.330	-2.081	1.349
442L	0.673	1.986	2.328	-2.124	2.415	2.466	1.428	2.466	-2.124	1.310
443R	0.642	2.766	2.075	-1.523	1.932	1.891	1.403	2.766	-1.523	1.312
444S	1.205	1.856	2.393	-1.018	2.096	1.909	0.856	2.393	-1.018	1.328
445R	1.432	0.886	2.290	-0.702	1.987	1.884	0.830	2.290	-0.702	1.230
446T	1.780	-0.132	2.253	-0.752	1.968	1.880	0.984	2.253	-0.752	1.140
447T	1.249	-0.623	1.814	-1.071	1.540	1.273	0.930	1.814	-1.071	0.730
448E	0.256	-0.486	1.580	-1.718	1.394	1.258	1.205	1.580	-1.718	0.498
449V	0.123	-1.061	1.150	-2.206	0.920	0.633	0.195	1.150	-2.206	-0.035
450M	0.155	-0.474	0.945	-2.533	0.720	0.613	0.155	0.945	-2.533	-0.060
451L	-0.041	-0.456	0.748	-2.569	0.565	0.594	-0.896	0.748	-2.569	-0.294
452A	-0.205	0.562	0.618	-2.217	0.355	0.014	-0.829	0.618	-2.217	-0.243
453G	-0.205	0.562	0.618	-1.896	0.355	0.014	-0.829	0.618	-1.896	-0.198
454A	0.326	-0.270	1.057	-1.635	0.784	0.621	-0.775	1.057	-1.635	0.015
455T	1.040	0.305	1.141	-1.637	0.774	0.616	-2.220	1.141	-2.220	0.003
456V	0.326	0.353	1.057	-1.852	0.784	0.621	-0.775	1.057	-1.852	0.073
457R	0.459	1.058	1.393	-2.165	1.194	1.221	-0.801	1.393	-2.165	0.337
458A	0.958	0.736	1.664	-2.048	1.513	1.710	0.200	1.710	-2.048	0.676
459L	1.072	0.532	1.767	-1.310	1.668	1.731	0.046	1.767	-1.310	0.786
460E	1.634	0.640	2.085	-0.063	1.832	1.749	-0.502	2.085	-0.502	1.054
461D	0.787	-0.140	1.571	1.100	1.367	1.130	-0.066	1.571	-0.140	0.821
462N	0.421	-0.188	1.449	1.433	1.358	1.131	1.533	1.533	-0.188	1.020
463T	0.421	-0.707	1.449	0.716	1.358	1.131	1.533	1.533	-0.707	0.843
464L	0.256	-0.623	1.318	-0.388	1.148	0.552	1.600	1.600	-0.623	0.552
465V	-0.243	0.437	1.206	-0.922	1.002	0.683	1.876	1.876	-0.922	0.577

466L	-0.193	0.534	1.234	-0.827	1.057	1.242	1.963	1.963	-0.827	0.716
467T	-0.111	1.097	1.188	0.087	1.057	1.242	2.082	2.082	-0.111	0.949
468H	0.604	0.401	1.272	0.624	1.048	1.236	0.637	1.272	0.401	0.832
469E	0.971	0.311	1.636	0.791	1.330	1.254	0.268	1.636	0.268	0.937
470S	0.971	0.550	1.636	0.348	1.330	1.254	0.268	1.636	0.268	0.908
471A	0.775	0.507	1.440	-0.166	1.175	1.234	-0.783	1.440	-0.783	0.598
472P	0.907	0.303	1.711	-0.967	1.476	1.239	-1.051	1.711	-1.051	0.517
473L	0.680	0.800	1.814	-1.489	1.586	1.264	-1.025	1.814	-1.489	0.518
474A	-0.313	1.579	1.580	-2.172	1.440	1.249	-0.750	1.580	-2.172	0.373
475R	-0.035	2.070	1.730	-2.206	1.595	1.269	0.420	2.070	-2.206	0.692
476R	0.326	2.070	1.814	-2.091	1.686	1.850	0.173	2.070	-2.091	0.832
477L	1.287	1.866	2.225	-1.466	2.050	1.887	-0.098	2.225	-1.466	1.107
478S	1.420	2.070	2.655	-1.101	2.524	2.511	0.911	2.655	-1.101	1.570
479E	1.597	1.754	2.524	-0.533	2.360	1.927	0.799	2.524	-0.533	1.490
480Q	1.464	1.082	2.094	-0.310	1.886	1.303	-0.210	2.094	-0.310	1.044
481R	2.678	0.387	2.449	0.386	2.196	1.786	-0.654	2.678	-0.654	1.318
482N	2.033	-0.426	2.178	0.627	2.032	1.768	-0.225	2.178	-0.426	1.141
483A	0.958	-0.460	1.767	0.749	1.677	1.173	0.236	1.767	-0.460	0.871
484D	0.711	-0.460	1.440	0.079	1.303	1.131	-0.938	1.440	-0.938	0.467
485V	0.939	-1.204	1.337	-0.684	1.194	1.106	-0.963	1.337	-1.204	0.246
486L	0.629	-0.276	1.038	-1.673	0.884	1.065	-1.860	1.065	-1.860	-0.027
487A	-0.085	0.467	0.954	-2.065	0.893	1.071	-0.415	1.071	-2.065	0.117
488E	-0.357	0.467	1.132	-2.396	1.212	1.176	-0.341	1.212	-2.396	0.128
489A	0.509	-0.312	1.524	-2.128	1.540	1.664	-0.939	1.664	-2.128	0.265
490L	1.224	0.315	1.608	-1.781	1.531	1.658	-2.384	1.658	-2.384	0.310
491K	0.509	0.423	1.524	-1.307	1.540	1.664	-0.939	1.664	-1.307	0.488
492D	0.376	0.201	1.188	-1.049	1.130	1.064	-0.912	1.188	-1.049	0.285
493A	0.010	-0.841	1.066	-1.156	1.121	1.066	0.687	1.121	-1.156	0.279
494L	1.034	-0.028	1.449	-1.077	1.422	1.101	0.139	1.449	-1.077	0.577
495G	0.041	0.081	1.019	-0.837	0.802	0.532	0.096	1.019	-0.837	0.248
496V	-0.325	0.267	1.178	-0.434	0.957	0.667	0.104	1.178	-0.434	0.345
497N	-0.692	0.399	1.057	-0.257	0.948	0.669	1.703	1.703	-0.692	0.547
498W	0.155	0.365	1.571	-0.675	1.412	1.288	1.267	1.571	-0.675	0.769
499R	-0.117	1.359	1.365	-1.325	1.367	1.306	1.889	1.889	-1.325	0.835
500V	0.610	1.173	1.814	-1.671	1.741	1.904	1.274	1.904	-1.671	0.978
501R	0.496	1.844	1.711	-1.633	1.586	1.883	1.428	1.883	-1.633	1.045
502C	1.489	1.389	1.683	-1.240	1.522	1.858	1.406	1.858	-1.240	1.158
503E	1.717	1.353	1.580	-1.018	1.412	1.833	1.380	1.833	-1.018	1.180
504T	2.083	0.778	1.945	-0.987	1.695	1.850	1.012	2.083	-0.987	1.197
505G	1.951	0.287	1.515	-1.033	1.221	1.226	0.002	1.951	-1.033	0.738
506E	1.995	-0.340	1.730	-1.172	1.312	1.208	-1.630	1.995	-1.630	0.443
507P	1.634	-0.060	1.403	-1.249	0.948	0.608	-2.614	1.634	-2.614	0.096
508A	1.438	-0.060	1.206	-1.503	0.793	0.588	-3.665	1.438	-3.665	-0.172
509A	1.489	-0.156	1.365	-1.536	0.993	0.608	-3.505	1.489	-3.505	-0.106
510A	1.129	0.471	1.281	-1.238	0.902	0.028	-3.259	1.281	-3.259	-0.098
511A	0.762	1.099	0.917	-0.782	0.619	0.010	-2.890	1.099	-2.890	-0.038
512S	0.990	1.726	0.907	-0.310	0.574	0.010	-1.880	1.726	-1.880	0.288
513P	1.217	0.870	0.898	-0.300	0.528	0.010	-0.869	1.217	-0.869	0.336
514V	1.445	1.121	0.889	-0.716	0.483	0.010	0.141	1.445	-0.716	0.482
515G	1.445	1.121	0.889	-1.213	0.483	0.010	0.141	1.445	-1.213	0.411
516G	1.476	0.493	1.038	-1.166	0.638	0.031	-0.132	1.476	-1.166	0.340
517G	1.110	0.357	0.674	-0.828	0.355	0.014	0.237	1.110	-0.828	0.274
518A	1.476	-0.270	0.795	-0.180	0.364	0.012	-1.362	1.476	-1.362	0.119
519N	1.445	0.562	1.001	0.112	0.565	0.032	-1.321	1.445	-1.321	0.342
520V	1.217	-0.048	1.010	-0.082	0.610	0.032	-2.332	1.217	-2.332	0.058
521A	1.217	-0.048	1.468	-0.685	1.294	0.627	-2.267	1.468	-2.267	0.229
522T	1.217	0.562	1.468	-1.203	1.294	0.627	-2.267	1.468	-2.267	0.242
523A	0.541	0.429	1.047	-1.805	0.975	0.588	-1.565	1.047	-1.805	0.030
524K	1.217	0.429	1.468	-1.566	1.294	0.627	-2.267	1.468	-2.267	0.172

525A	1.217	-0.044	1.711	-0.968	1.567	0.646	-1.037	1.711	-1.037	0.442
526V	1.021	0.447	1.515	-0.083	1.412	0.626	-2.088	1.515	-2.088	0.407
527N	1.021	0.544	1.758	0.705	1.686	0.645	-0.858	1.758	-0.858	0.786
528P	0.990	0.544	1.505	0.914	1.203	0.070	-0.882	1.505	-0.882	0.621
529A	0.990	1.040	1.505	0.503	1.203	0.070	-0.882	1.505	-0.882	0.633
530P	1.666	1.531	1.926	0.446	1.522	0.109	-1.584	1.926	-1.584	0.802
531T	1.634	1.664	1.776	0.564	1.367	0.088	-1.311	1.776	-1.311	0.826
532A	1.830	1.986	1.730	1.225	1.248	0.089	-1.490	1.986	-1.490	0.946
533N	2.077	2.525	2.057	1.778	1.622	0.132	-0.317	2.525	-0.317	1.411
534S	2.210	2.491	2.244	1.621	1.823	0.737	-0.538	2.491	-0.538	1.513
535T	2.513	2.211	2.318	1.087	1.987	1.206	-0.587	2.513	-0.587	1.534
536Q	2.874	2.295	2.646	0.365	2.351	1.806	0.397	2.874	0.365	1.819
537R	2.924	1.894	2.674	-0.277	2.406	2.365	0.483	2.924	-0.277	1.781
538D	3.006	0.966	2.851	-0.731	2.615	2.944	0.297	3.006	-0.731	1.707
539E	2.810	0.223	2.814	-0.746	2.634	3.544	0.524	3.544	-0.746	1.686
540E	2.166	-0.352	2.477	-0.901	2.306	3.519	0.305	3.519	-0.901	1.360
541E	1.318	-0.352	1.963	-0.659	1.841	2.900	0.741	2.900	-0.659	1.108
542H	0.819	-0.927	1.692	-0.828	1.522	2.411	-0.260	2.411	-0.927	0.633
543M	0.819	-0.390	1.692	-1.129	1.522	2.411	-0.260	2.411	-1.129	0.666
544L	0.459	0.538	1.365	-1.745	1.157	1.811	-1.244	1.811	-1.745	0.334
545A	0.326	1.369	1.029	-2.073	0.747	1.212	-1.217	1.369	-2.073	0.199
546E	0.459	1.908	1.300	-2.362	1.048	1.217	-1.486	1.908	-2.362	0.298
547A	1.084	1.692	1.300	-2.209	0.957	1.199	-1.430	1.692	-2.209	0.370
548G	2.298	2.547	1.655	-1.869	1.267	1.683	-1.874	2.547	-1.874	0.815
549R	2.298	2.279	1.898	-1.303	1.540	1.702	-0.644	2.298	-1.303	1.110
550G	2.216	2.279	1.720	-0.327	1.330	1.122	-0.458	2.279	-0.458	1.126
551D	2.216	2.465	1.963	0.652	1.604	1.141	0.772	2.465	0.652	1.545
552P	2.121	2.465	2.403	1.144	2.123	1.766	0.771	2.465	0.771	1.828
553S	2.121	2.465	2.403	0.906	2.123	1.766	0.771	2.465	0.771	1.794
554P	2.393	2.184	2.683	0.355	2.488	2.255	0.762	2.683	0.355	1.874
555R	1.894	2.401	2.655	-0.247	2.442	1.785	0.991	2.655	-0.247	1.703
556R	2.254	1.491	2.739	-0.345	2.533	2.366	0.745	2.739	-0.345	1.683
557D	2.336	0.678	2.917	-0.293	2.743	2.945	0.558	2.945	-0.293	1.698
558P	1.970	-0.066	2.552	-0.471	2.461	2.928	0.927	2.928	-0.471	1.471
559E	1.837	0.151	2.122	-1.006	1.987	2.303	-0.082	2.303	-1.006	1.044
560E	0.990	-0.629	1.608	-1.645	1.522	1.684	0.354	1.684	-1.645	0.555
561V	0.850	-1.408	1.664	-2.179	1.567	1.794	0.336	1.794	-2.179	0.375
562A	0.136	-0.821	1.337	-2.399	1.303	1.781	0.551	1.781	-2.399	0.270
563L	-0.939	-0.212	0.926	-2.457	0.948	1.187	1.013	1.187	-2.457	0.066
564E	-1.053	0.568	0.926	-2.391	0.957	0.630	1.202	1.202	-2.391	0.120
565L	-0.376	-0.212	1.346	-1.787	1.276	0.669	0.501	1.346	-1.787	0.202
566L	-0.016	0.620	1.674	-1.001	1.640	1.268	1.484	1.674	-1.001	0.810
567Q	-0.016	0.824	1.674	-0.122	1.640	1.268	1.484	1.674	-0.122	0.965
568N	-0.148	1.147	1.337	0.157	1.230	0.669	1.511	1.511	-0.148	0.843
569E	0.566	1.351	1.421	-0.263	1.221	0.663	0.066	1.421	-0.263	0.718
570L	1.413	0.451	1.935	-1.127	1.686	1.282	-0.370	1.935	-1.127	0.753
571G	1.299	1.195	2.038	-1.842	1.786	1.865	-0.534	2.038	-1.842	0.829
572A	0.351	1.177	1.599	-2.485	1.458	1.826	-0.099	1.826	-2.485	0.547
573R	0.490	1.177	1.543	-2.389	1.412	1.715	-0.082	1.715	-2.389	0.552
574R	1.514	0.618	1.926	-1.709	1.713	1.751	-0.630	1.926	-1.709	0.740
575I	1.287	0.059	1.935	-0.647	1.759	1.751	-1.640	1.935	-1.640	0.643
576D	1.154	0.638	1.477	0.564	2.078	1.811	-1.640	2.078	-1.640	0.869
577N	0.888	0.353	0.589	1.124	1.923	1.246	-2.650	1.923	-2.650	0.496
578A	0.623	-0.001	-0.298	0.884	1.768	0.681	-3.659	1.768	-3.659	-0.000

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	<p>¹MALYRKYRPASFAE VVGQEHVTAPLSVALDAGRINHAYLFSGPRGCGKTSSARILARSLNCAQGPT ANPCGVCECVSLAPNAPGSIDVVELDAASHGGVDDTRELDRAFYAPVQSRVRFIVDEAHMVT AGFNALLKIVEEPPEHLIFIFATTEPEKVLPTIRSRTHHYPFRLPPRTMRALLARICEQEGVVDDAVY PLVIRAGGGSPRDTLSVLDQLLAGAADTHVYTRALG LLGVT DVALIDDAVDALAACDAAALFGAIES VIDGGHDPRRFATDLLERFRDLIVLQSV PDAASRGVVDAPEDALDRMREQAARIGRATLTRYAEVVQ AGLGEMRGATAPRLLLEVVCARLLLPSASDAESALLQRVERIETRLDMSIPAPQAVPRPSAAAAEPK HQPAREPRPVLAPTPASSEPTVA AVRSMWPTVRDKVRLRSRTTEVMLAGATVRALEDNTLVLTHES APLARRLSEQRNADVLAELKDALGVNWRVRCETGEPAAAAASPVGGGANVATAKAVNPAPTANST QRDEEEHMLAEAGRGDPSPRRDPEEVALELLQNELGARRIDNA⁵⁷⁸</p>
Hydrophilicity	<p>¹MALYRKYRPASFAE VVGQEHVTAPLSVALDAGRINHAYLFSGPRGCGKTSSARILARSLNCAQGPT ANPCGVCECVSLAPNAPGSIDVVELDAASHGGVDDTRELDRAFYAPVQSRVRFIVDEAHMVT AGFNALLKIVEEPPEHLIFIFATTEPEKVLPTIRSRTHHYPFRLPPRTMRALLARICEQEGVVDDAVY PLVIRAGGGSPRDTLSVLDQLLAGAADTHVYTRALG LLGVT DVALIDDAVDALAACDAAALFGAIES VIDGGHDPRRFATDLLERFRDLIVLQSV PDAASRGVVDAPEDALDRMREQAARIGRATLTRYAEVVQ AGLGEMRGATAPRLLLEVVCARLLLPSASDAESALLQRVERIETRLDMSIPAPQAVPRPSAAAAEPK HQPAREPRPVLAPTPASSEPTVA AVRSMWPTVRDKVRLRSRTTEVMLAGATVRALEDNTLVLTHES APLARRLSEQRNADVLAELKDALGVNWRVRCETGEPAAAAASPVGGGANVATAKAVNPAPTANST QRDEEEHMLAEAGRGDPSPRRDPEEVALELLQNELGARRIDNA⁵⁷⁸</p>
Flexibility	<p>¹MALYRKYRPASFAE VVGQEHVTAPLSVALDAGRINHAYLFSGPRGCGKTSSARILARSLNCAQGPT ANPCGVCECVSLAPNAPGSIDVVELDAASHGGVDDTRELDRAFYAPVQSRVRFIVDEAHMVT AGFNALLKIVEEPPEHLIFIFATTEPEKVLPTIRSRTHHYPFRLPPRTMRALLARICEQEGVVDDAVY PLVIRAGGGSPRDTLSVLDQLLAGAADTHVYTRALG LLGVT DVALIDDAVDALAACDAAALFGAIES VIDGGHDPRRFATDLLERFRDLIVLQSV PDAASRGVVDAPEDALDRMREQAARIGRATLTRYAEVVQ AGLGEMRGATAPRLLLEVVCARLLLPSASDAESALLQRVERIETRLDMSIPAPQAVPRPSAAAAEPK HQPAREPRPVLAPTPASSEPTVA AVRSMWPTVRDKVRLRSRTTEVMLAGATVRALEDNTLVLTHES APLARRLSEQRNADVLAELKDALGVNWRVRCETGEPAAAAASPVGGGANVATAKAVNPAPTANST QRDEEEHMLAEAGRGDPSPRRDPEEVALELLQNELGARRIDNA⁵⁷⁸</p>
Accessibility	<p>¹MALYRKYRPASFAE VVGQEHVTAPLSVALDAGRINHAYLFSGPRGCGKTSSARILARSLNCAQGPT ANPCGVCECVSLAPNAPGSIDVVELDAASHGGVDDTRELDRAFYAPVQSRVRFIVDEAHMVT AGFNALLKIVEEPPEHLIFIFATTEPEKVLPTIRSRTHHYPFRLPPRTMRALLARICEQEGVVDDAVY PLVIRAGGGSPRDTLSVLDQLLAGAADTHVYTRALG LLGVT DVALIDDAVDALAACDAAALFGAIES VIDGGHDPRRFATDLLERFRDLIVLQSV PDAASRGVVDAPEDALDRMREQAARIGRATLTRYAEVVQ AGLGEMRGATAPRLLLEVVCARLLLPSASDAESALLQRVERIETRLDMSIPAPQAVPRPSAAAAEPK HQPAREPRPVLAPTPASSEPTVA AVRSMWPTVRDKVRLRSRTTEVMLAGATVRALEDNTLVLTHES APLARRLSEQRNADVLAELKDALGVNWRVRCETGEPAAAAASPVGGGANVATAKAVNPAPTANST QRDEEEHMLAEAGRGDPSPRRDPEEVALELLQNELGARRIDNA⁵⁷⁸</p>

Turns	<p>1MALYRKYRPASFAEVVGQEHVTAPLSVALDAGRINHAYLFSGPRGCGKTSSARILARSLNCAQGPT ANPCGVCESECVSLAPNAPGSIDVVELDAASHGGVDDTRELDRAFYAPVQSRVYRVFIVDEAHMVTT AGFNALLKIVEEPPEHLIFIFATTEPEKVLPTIRSRTHHYPFRLLPPRTMRALLARICEQEGVWVDDAVY PLVIRAGGGSPRDTLSVLDQLLAGAADTHVYTRALGLLGVTDVALIDDAVDALAACDAAALFGAIES VIDGGHDPRRFATDLLERFRDLIVLQSVPAASRGVVDAPEDALDRMREQAARIGRATLTRYAEVVQ AGLGEMRGATAPRLLLEVVCARLLLPSASDAESALLQRVERIETRLDMSIPAPQAVPRPSAAAAEPK HQPAREPRPVLAPTPASSEPTVAAVRSMWPTVRDKVRLRSRTTEVMLAGATVRALEDNTLVLTHES APLARRLSEQRNADVLAELKDALGVNWRVRCETGEPAAAASPVGGGANVATAKAVNPAPTANST QRDEEEHMLAEAGRGDPSPRRDPEEVALELLQNELGARRIDNA⁵⁷⁸</p>
Exposed Surface	<p>1MALYRKYRPASFAEVVGQEHVTAPLSVALDAGRINHAYLFSGPRGCGKTSSARILARSLNCAQGPT ANPCGVCESECVSLAPNAPGSIDVVELDAASHGGVDDTRELDRAFYAPVQSRVYRVFIVDEAHMVTT AGFNALLKIVEEPPEHLIFIFATTEPEKVLPTIRSRTHHYPFRLLPPRTMRALLARICEQEGVWVDDAVY PLVIRAGGGSPRDTLSVLDQLLAGAADTHVYTRALGLLGVTDVALIDDAVDALAACDAAALFGAIES VIDGGHDPRRFATDLLERFRDLIVLQSVPAASRGVVDAPEDALDRMREQAARIGRATLTRYAEVVQ AGLGEMRGATAPRLLLEVVCARLLLPSASDAESALLQRVERIETRLDMSIPAPQAVPRPSAAAAEPK HQPAREPRPVLAPTPASSEPTVAAVRSMWPTVRDKVRLRSRTTEVMLAGATVRALEDNTLVLTHES APLARRLSEQRNADVLAELKDALGVNWRVRCETGEPAAAASPVGGGANVATAKAVNPAPTANST QRDEEEHMLAEAGRGDPSPRRDPEEVALELLQNELGARRIDNA⁵⁷⁸</p>
Polarity	<p>1MALYRKYRPASFAEVVGQEHVTAPLSVALDAGRINHAYLFSGPRGCGKTSSARILARSLNCAQGPT ANPCGVCESECVSLAPNAPGSIDVVELDAASHGGVDDTRELDRAFYAPVQSRVYRVFIVDEAHMVTT AGFNALLKIVEEPPEHLIFIFATTEPEKVLPTIRSRTHHYPFRLLPPRTMRALLARICEQEGVWVDDAVY PLVIRAGGGSPRDTLSVLDQLLAGAADTHVYTRALGLLGVTDVALIDDAVDALAACDAAALFGAIES VIDGGHDPRRFATDLLERFRDLIVLQSVPAASRGVVDAPEDALDRMREQAARIGRATLTRYAEVVQ AGLGEMRGATAPRLLLEVVCARLLLPSASDAESALLQRVERIETRLDMSIPAPQAVPRPSAAAAEPK HQPAREPRPVLAPTPASSEPTVAAVRSMWPTVRDKVRLRSRTTEVMLAGATVRALEDNTLVLTHES APLARRLSEQRNADVLAELKDALGVNWRVRCETGEPAAAASPVGGGANVATAKAVNPAPTANST QRDEEEHMLAEAGRGDPSPRRDPEEVALELLQNELGARRIDNA⁵⁷⁸</p>
Antigenic Propensity	<p>1MALYRKYRPASFAEVVGQEHVTAPLSVALDAGRINHAYLFSGPRGCGKTSSARILARSLNCAQGPT ANPCGVCESECVSLAPNAPGSIDVVELDAASHGGVDDTRELDRAFYAPVQSRVYRVFIVDEAHMVTT AGFNALLKIVEEPPEHLIFIFATTEPEKVLPTIRSRTHHYPFRLLPPRTMRALLARICEQEGVWVDDAVY PLVIRAGGGSPRDTLSVLDQLLAGAADTHVYTRALGLLGVTDVALIDDAVDALAACDAAALFGAIES VIDGGHDPRRFATDLLERFRDLIVLQSVPAASRGVVDAPEDALDRMREQAARIGRATLTRYAEVVQ AGLGEMRGATAPRLLLEVVCARLLLPSASDAESALLQRVERIETRLDMSIPAPQAVPRPSAAAAEPK HQPAREPRPVLAPTPASSEPTVAAVRSMWPTVRDKVRLRSRTTEVMLAGATVRALEDNTLVLTHES APLARRLSEQRNADVLAELKDALGVNWRVRCETGEPAAAASPVGGGANVATAKAVNPAPTANST QRDEEEHMLAEAGRGDPSPRRDPEEVALELLQNELGARRIDNA⁵⁷⁸</p>

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