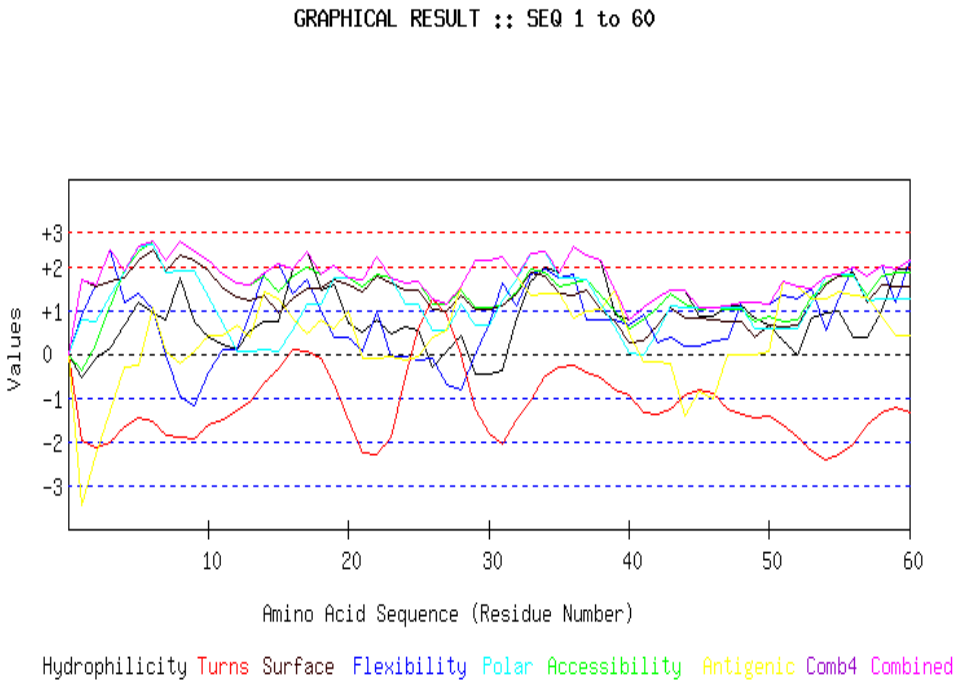
BcePred Prediction Server

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

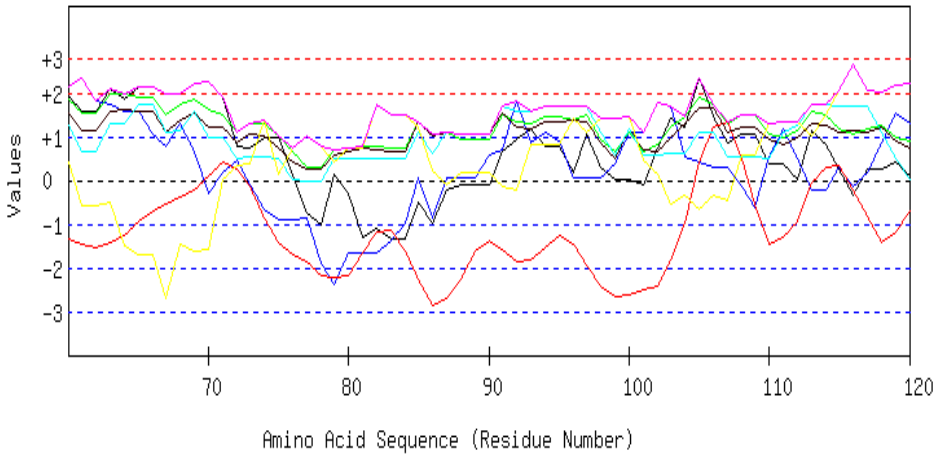
seqname=
Seq=MARLSRERYAQLYGPTTGDRIRLADTNLLVEVTEDRCGGPGLAGDEAVFGGGKVLRESMGQGRASRADG
APDTVITGAVIIDYWGIIKADIGIRDGRIVGIGKAGNPDIMTGVHRDLVVGPSTEIISGNRRIVTAGTVDCHVHLICPQII
VEALAAGTTTIIGGGTGPAEGTKATTVTPGEWHLARMLESLDGWPVNFALLGKGNTVNPDALWEQLRGGASGFK
LHEDWGSTPAAIDTCLAVADVAGVQVALHSDTLNETGFVEDTIGAIAGRSIHAYHTEGAGGGHAPDIITVAAQPNVL
PSSTNPTRPHTVNTLDEHLDMLMVCHHLNPRIPEDLAFAESRIRPSTIAAEDVLHDMGAISMIGSDSQAMGRVGE
VVLRTWQTAHVMKARRGALEGDPSGSQAADNNRVRRYIAKYTICPAIAHGMDHLIGSVEVGKLADLVLWEPAFFG
VRPHVVLKGGAIAWAAMGDANASIPTPQPVLPRPMFGAAAATAAATSVHFVAPQSIDARLADRLAVNRGLAPVAD
VRAVGKTDLPLNDALPSIEVDPDTFTVRIDGQVWQPQPAAELPMTQRYFLF

Length=577

GRAPHICAL RESULT

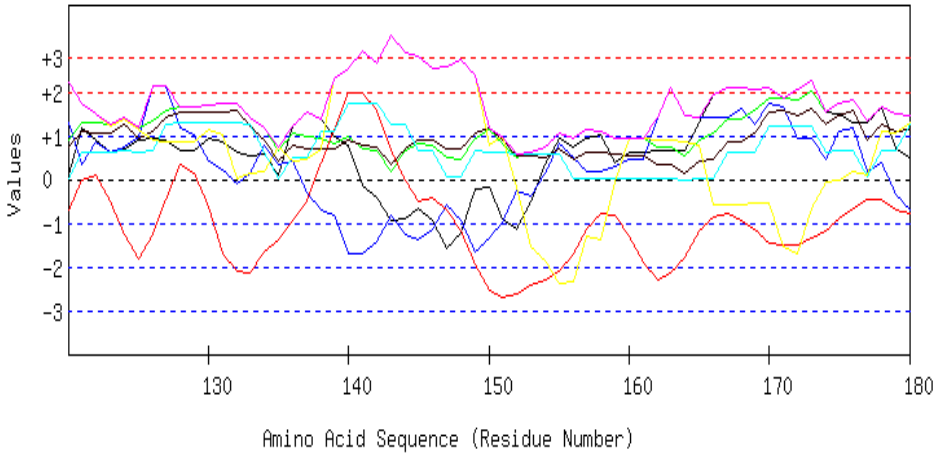


GRAPHICAL RESULT :: SEQ 61 to 120



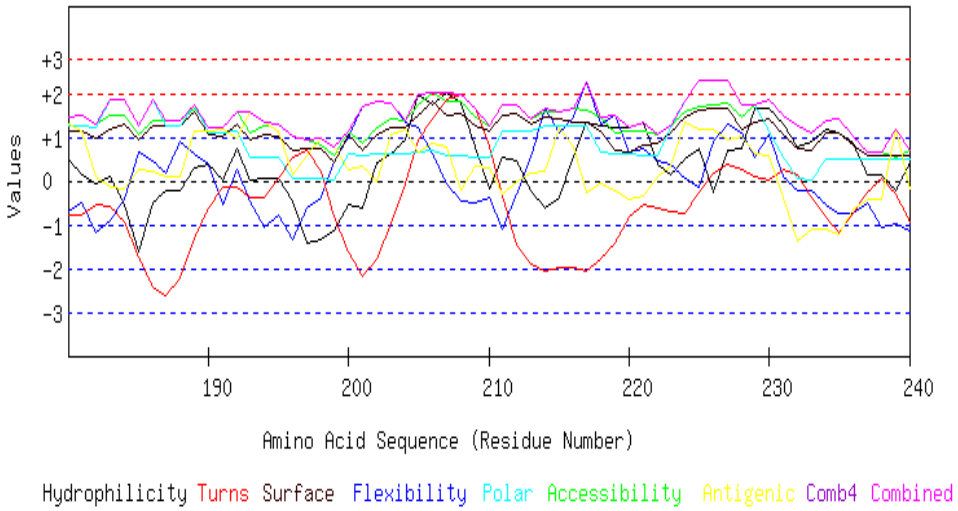
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 121 to 180

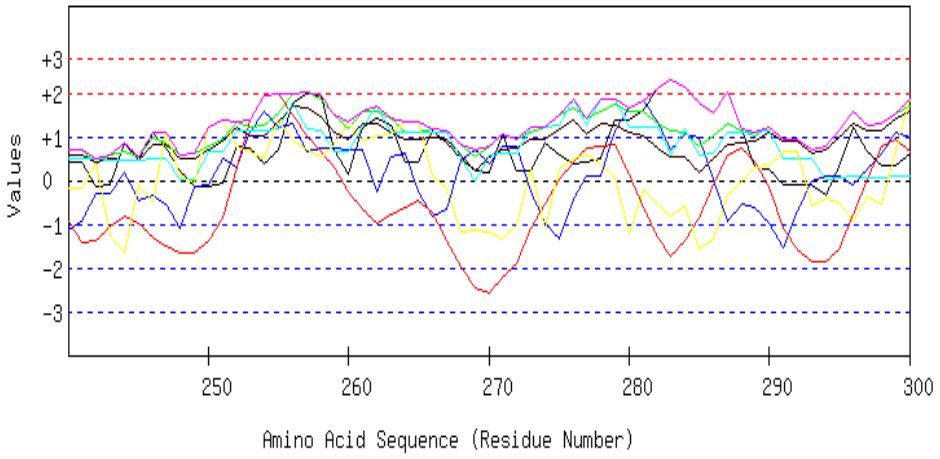


Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

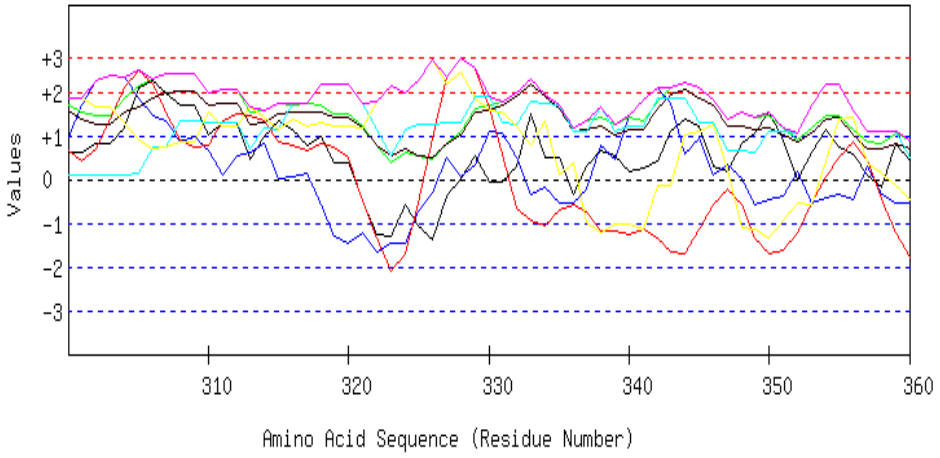
GRAPHICAL RESULT :: SEQ 181 to 240



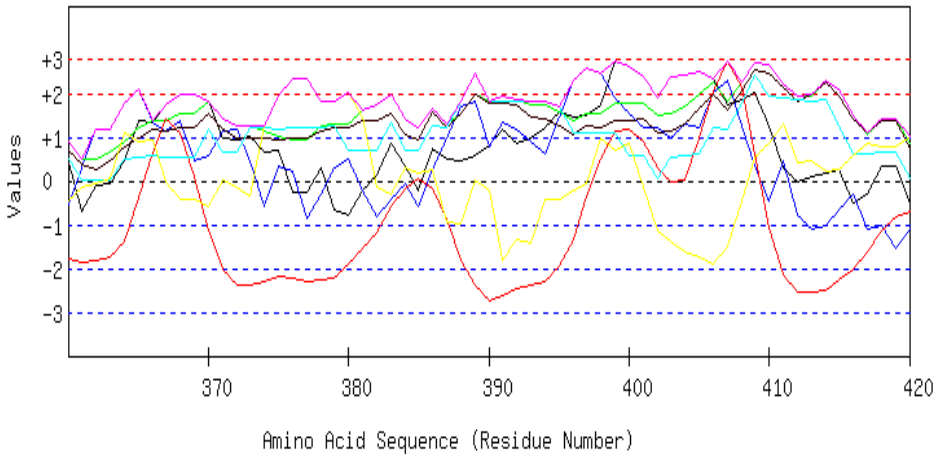
GRAPHICAL RESULT :: SEQ 241 to 300



GRAPHICAL RESULT :: SEQ 301 to 360

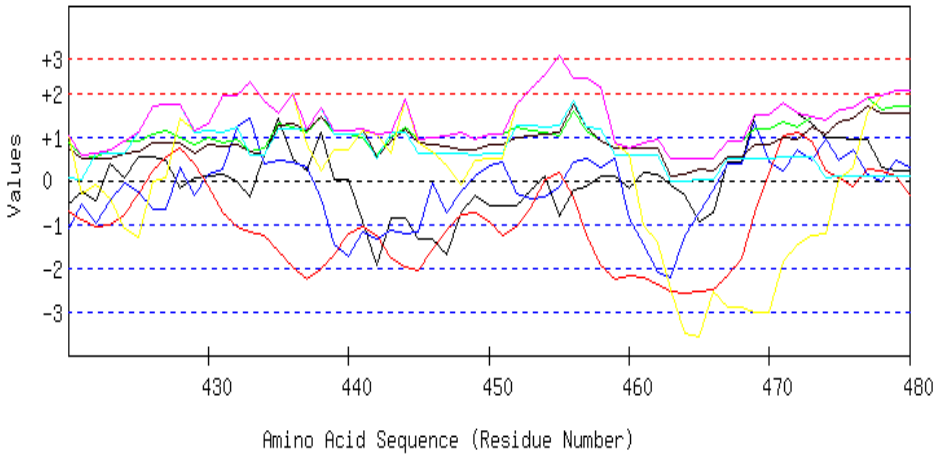


GRAPHICAL RESULT :: SEQ 361 to 420



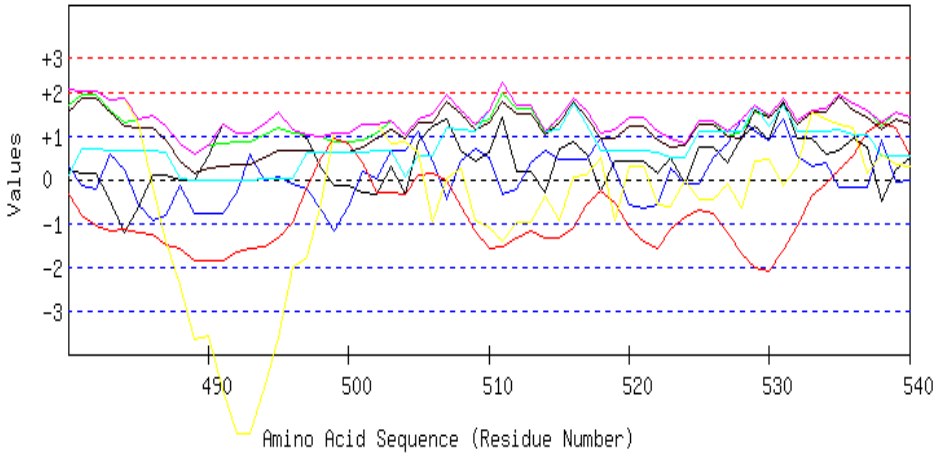
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

GRAPHICAL RESULT :: SEQ 421 to 480



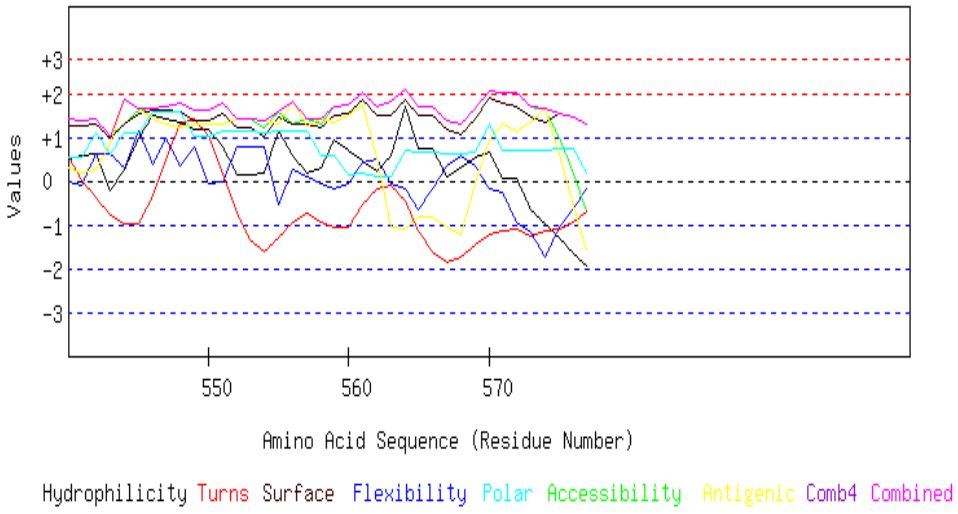
Hydrophilicity Turns Surface Flexibility Polar Accessibility Antigenic Comb4 Combined

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

MARLSRERYAQLYGPTTGDRIRLADTNLLVEVTEDRCGGPGLAGDEAVFGGGKVLRESMG
QGRASRADGAPDTVITGAVIIDYWGIIKADIGIRDGRIVGIGKAGNPDIMTGVHRDLVVG
PSTEIISGNRRIVTAGTVDCHVHLICPQIIVEALAAGTTTIIGGGTGPAEGTKATTVTPG
EWHLARMLESLDGWPVNFALLGKGNTVNPDALWEQLRGGASGFKLHEDWGSTPAAIDTCL
AVADVAGVQVALHSDTLNETGFVEDTIGAIAGRSIHAYHTEGAGGGHAPDIITVAAQPNV
LPSSTNPTRPHTVNTLDEHLDMLMVCHHLNPRIPEDLAFAESRIRPSTIAAEDVLHDMGA
ISMIGSDSQAMGRVGEVVLRTWQTAHVMKARRGALEGDPSGSQAADNNRVRRYIAKYTIC
PAIAHGMDHLIGSVEVGKLADLVLWEPAFFGVRPHVVLKGGAIAWAAMGDANASIPTPQP
VLPRPMFGAAAATAAATSVHFVAPQSIDARLADRLAVNRGLAPVADVRAVGKTDLPLNDA
LPSIEVDPDTFTVRIDGQVWQPQPAAELPMTQRYFLF

Length=577

A.A. Combined		Parameter									
		Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	MIN	AVG
1	M	-0.528	0.890	-0.392	-1.978	1.686	0.797	-3.480	1.686	-3.480	-0.429
2	A	-0.117	1.579	0.216	-2.139	1.522	0.757	-2.310	1.579	-2.310	-0.070
3	R	0.149	2.393	1.103	-2.015	1.677	1.322	-1.301	2.393	-2.015	0.475
4	L	0.642	1.173	1.889	-1.645	1.722	1.861	-0.317	1.889	-1.645	0.761
5	S	1.173	1.377	2.328	-1.447	2.151	2.469	-0.262	2.469	-1.447	1.113
6	R	0.920	1.012	2.580	-1.551	2.388	2.488	1.080	2.580	-1.551	1.274
7	E	0.787	-0.005	2.150	-1.878	1.914	1.864	0.071	2.150	-1.878	0.700
8	R	1.748	-0.987	2.561	-1.904	2.278	1.901	-0.201	2.561	-1.904	0.771
9	Y	0.756	-1.174	2.328	-1.920	2.132	1.886	0.074	2.328	-1.920	0.583
10	A	0.370	-0.408	2.150	-1.615	1.895	1.281	0.407	2.150	-1.615	0.583
11	Q	0.237	0.083	1.814	-1.516	1.485	0.681	0.434	1.814	-1.516	0.460
12	L	0.104	0.083	1.627	-1.315	1.285	0.075	0.654	1.627	-1.315	0.359
13	Y	0.553	0.914	1.571	-1.109	1.203	0.076	0.363	1.571	-1.109	0.510
14	G	0.749	1.860	1.767	-0.644	1.358	0.096	1.414	1.860	-0.644	0.943
15	P	0.730	2.046	1.431	-0.336	0.938	0.053	1.251	2.046	-0.336	0.873
16	T	1.944	1.363	1.786	0.091	1.248	0.537	0.807	1.944	0.091	1.111
17	T	2.330	1.686	1.963	0.075	1.485	1.142	0.474	2.330	0.075	1.308
18	G	1.464	0.990	1.832	-0.100	1.513	1.144	0.795	1.832	-0.100	1.091
19	D	1.597	0.363	2.019	-0.708	1.713	1.750	0.575	2.019	-0.708	1.044
20	R	0.686	0.363	1.739	-1.481	1.567	1.735	0.969	1.739	-1.481	0.797
21	I	0.490	0.041	1.543	-2.266	1.412	1.715	-0.082	1.715	-2.266	0.408
22	R	0.762	0.974	1.823	-2.301	1.777	2.204	-0.091	2.204	-2.301	0.735
23	L	0.459	-0.044	1.748	-1.900	1.613	1.735	-0.042	1.748	-1.900	0.510
24	A	0.636	-0.044	1.617	-0.547	1.449	1.151	-0.154	1.617	-0.547	0.587
25	D	0.560	-0.140	1.674	0.572	1.476	1.155	-0.040	1.674	-0.140	0.751
26	T	-0.288	-0.104	1.160	1.240	1.011	0.536	0.395	1.240	-0.288	0.564
27	N	0.060	-0.691	1.122	0.907	0.993	0.532	0.549	1.122	-0.691	0.496
28	L	0.421	-0.809	1.449	-0.030	1.358	1.131	1.533	1.533	-0.809	0.722
29	L	-0.446	-0.030	1.057	-1.274	1.030	0.644	2.131	2.131	-1.274	0.445
30	V	-0.446	0.714	1.057	-1.813	1.030	0.644	2.131	2.131	-1.813	0.474
31	E	-0.395	1.623	1.085	-2.080	1.084	1.203	2.217	2.217	-2.080	0.677
32	V	0.819	1.084	1.440	-1.511	1.394	1.686	1.773	1.773	-1.511	0.955
33	T	1.666	1.808	1.954	-1.078	1.859	2.306	1.338	2.306	-1.078	1.407
34	E	1.989	1.944	1.860	-0.503	1.777	2.322	1.371	2.322	-0.503	1.537
35	D	1.856	1.728	1.524	-0.300	1.367	1.722	1.398	1.856	-0.300	1.328
36	R	2.450	1.816	1.636	-0.249	1.330	1.721	0.809	2.450	-0.249	1.359
37	C	2.254	0.798	1.683	-0.437	1.449	1.720	0.988	2.254	-0.437	1.208
38	G	2.121	0.762	1.346	-0.525	1.039	1.120	1.015	2.121	-0.525	0.983
39	G	0.907	0.762	0.991	-0.803	0.729	0.637	1.459	1.459	-0.803	0.669
40	P	0.775	0.674	0.561	-0.945	0.255	0.012	0.450	0.775	-0.945	0.254
41	G	1.046	0.890	0.767	-1.333	0.300	-0.006	-0.172	1.046	-1.333	0.213
42	L	1.318	0.263	1.047	-1.380	0.665	0.483	-0.181	1.318	-1.380	0.316
43	A	1.451	0.371	1.384	-1.260	1.075	1.083	-0.208	1.451	-1.260	0.557
44	G	1.451	0.197	1.141	-0.948	0.802	1.064	-1.438	1.451	-1.438	0.324
45	D	0.857	0.197	1.029	-0.811	0.838	1.065	-0.850	1.065	-0.850	0.332
46	E	0.857	0.285	1.047	-0.909	0.784	1.064	-1.034	1.064	-1.034	0.299
47	A	1.084	0.337	1.038	-1.252	0.738	1.064	-0.023	1.084	-1.252	0.427
48	V	1.084	1.169	1.038	-1.364	0.738	1.064	-0.023	1.169	-1.364	0.529
49	F	0.813	1.169	0.758	-1.457	0.373	0.575	-0.014	1.169	-1.457	0.317
50	G	0.680	1.139	0.879	-1.436	0.647	0.570	0.077	1.139	-1.436	0.365
51	G	0.313	1.325	0.758	-1.618	0.638	0.572	1.676	1.676	-1.618	0.523

52 G	-0.035	1.273	0.795	-1.892	0.656	0.576	1.523	1.523	-1.892	0.414
53 K	0.813	1.501	1.290	-2.219	1.175	1.196	1.271	1.501	-2.219	0.718
54 V	0.945	0.556	1.627	-2.429	1.586	1.796	1.244	1.796	-2.429	0.761
55 L	0.996	1.279	1.786	-2.280	1.786	1.816	1.403	1.816	-2.280	0.969
56 R	0.370	1.974	1.786	-2.067	1.877	1.833	1.348	1.974	-2.067	1.017
57 E	0.370	1.788	1.328	-1.617	1.194	1.238	1.283	1.788	-1.617	0.798
58 S	0.983	2.026	1.776	-1.329	1.576	1.279	0.858	2.026	-1.329	1.024
59 M	1.925	1.171	1.851	-1.221	1.522	1.274	0.423	1.925	-1.221	0.992
60 G	1.925	2.140	1.851	-1.341	1.522	1.274	0.423	2.140	-1.341	1.114
61 Q	1.565	2.327	1.524	-1.463	1.157	0.674	-0.561	2.327	-1.463	0.746
62 G	1.565	1.836	1.524	-1.530	1.157	0.674	-0.561	1.836	-1.530	0.667
63 R	2.096	1.748	1.963	-1.433	1.586	1.282	-0.506	2.096	-1.433	0.962
64 A	1.868	1.561	1.973	-1.250	1.631	1.282	-1.517	1.973	-1.517	0.793
65 S	2.121	1.561	1.917	-0.937	1.576	1.728	-1.689	2.121	-1.689	0.897
66 R	2.121	1.064	1.917	-0.706	1.576	1.728	-1.689	2.121	-1.689	0.859
67 A	1.989	0.790	1.487	-0.538	1.103	1.104	-2.698	1.989	-2.698	0.462
68 D	1.989	1.281	1.730	-0.376	1.376	1.122	-1.468	1.989	-1.468	0.808
69 G	2.210	0.646	1.851	-0.235	1.540	1.591	-1.637	2.210	-1.637	0.852
70 A	2.273	-0.306	1.617	0.086	1.221	0.987	-1.595	2.273	-1.595	0.612
71 P	1.906	0.185	1.496	0.421	1.212	0.988	0.003	1.906	0.003	0.887
72 D	0.768	0.453	1.085	0.273	0.875	0.501	0.334	1.085	0.273	0.613
73 T	0.737	-0.086	1.290	-0.129	1.075	0.521	0.375	1.290	-0.129	0.540
74 V	0.964	-0.673	1.281	-0.866	1.030	0.521	1.385	1.385	-0.866	0.520
75 I	0.964	-0.901	1.038	-1.424	0.756	0.502	0.155	1.038	-1.424	0.156
76 T	0.098	-0.901	0.646	-1.701	0.428	0.015	0.753	0.753	-1.701	-0.095
77 G	-0.736	-0.853	0.309	-1.840	0.255	-0.003	1.034	1.034	-1.840	-0.262
78 A	-1.008	-1.887	0.290	-2.164	0.246	-0.003	0.766	0.766	-2.164	-0.537
79 V	0.130	-2.390	0.702	-2.234	0.583	0.484	0.436	0.702	-2.390	-0.327
80 I	-0.319	-1.666	0.758	-2.173	0.665	0.483	0.727	0.758	-2.173	-0.218
81 I	-1.312	-1.666	0.786	-1.657	0.729	0.509	0.749	0.786	-1.666	-0.266
82 D	-1.084	-1.666	0.776	-1.165	0.683	0.509	1.760	1.760	-1.666	-0.027
83 Y	-1.356	-1.374	0.758	-1.139	0.674	0.509	1.493	1.493	-1.374	-0.062
84 W	-1.356	-0.967	0.758	-1.626	0.674	0.509	1.493	1.493	-1.626	-0.074
85 G	-0.490	0.075	1.346	-2.256	1.330	1.102	1.236	1.346	-2.256	0.335
86 I	-0.989	-0.877	1.075	-2.858	1.011	0.613	0.235	1.075	-2.858	-0.256
87 I	-0.237	0.075	1.094	-2.693	1.093	1.082	-0.106	1.094	-2.693	0.044
88 K	-0.111	0.075	0.935	-2.256	1.057	1.059	0.193	1.059	-2.256	0.136
89 A	-0.111	0.057	0.935	-1.605	1.057	1.059	0.193	1.059	-1.605	0.226
90 D	-0.111	0.596	0.935	-1.370	1.057	1.059	0.193	1.059	-1.370	0.337
91 I	0.661	0.684	1.505	-1.580	1.549	1.682	-0.129	1.682	-1.580	0.624
92 G	0.933	1.822	1.328	-1.854	1.230	1.576	-0.203	1.822	-1.854	0.690
93 I	1.160	0.870	1.318	-1.821	1.185	1.576	0.807	1.576	-1.821	0.728
94 R	0.794	1.099	1.477	-1.557	1.339	1.712	0.815	1.712	-1.557	0.811
95 D	0.794	0.912	1.477	-1.244	1.339	1.712	0.815	1.712	-1.244	0.829
96 G	0.199	0.049	1.365	-1.442	1.376	1.713	1.403	1.713	-1.442	0.666
97 R	1.065	0.049	1.496	-1.949	1.349	1.711	1.082	1.711	-1.949	0.686
98 I	0.294	0.067	0.926	-2.407	0.856	1.089	1.405	1.405	-2.407	0.318
99 V	0.022	0.391	0.646	-2.655	0.492	0.600	1.414	1.414	-2.655	0.130
100G	0.022	1.115	1.103	-2.608	1.175	1.194	1.479	1.479	-2.608	0.497
101I	-0.111	1.097	0.674	-2.512	0.701	0.570	0.469	1.097	-2.512	0.127
102G	0.756	1.780	0.804	-2.414	0.674	0.568	0.148	1.780	-2.414	0.331
103K	1.432	1.692	1.225	-1.832	0.993	0.607	-0.554	1.692	-1.832	0.509
104A	1.205	0.536	1.477	-0.991	1.312	0.626	-0.334	1.477	-0.991	0.547
105G	2.343	0.421	1.889	0.404	1.649	1.113	-0.665	2.343	-0.665	1.022
106N	1.476	0.285	1.758	1.236	1.677	1.115	-0.343	1.758	-0.343	1.029
107P	0.850	0.303	1.300	1.336	1.084	0.537	-0.464	1.336	-0.464	0.707
108D	1.046	-0.152	1.496	0.507	1.239	0.557	0.587	1.496	-0.152	0.754
109I	1.046	-0.601	1.496	-0.557	1.239	0.557	0.587	1.496	-0.601	0.538
110M	0.370	0.538	1.075	-1.479	0.920	0.518	1.289	1.289	-1.479	0.462

111T	0.370	1.191	0.991	-1.285	0.820	1.119	1.336	1.336	-1.285	0.649
112G	0.003	0.495	1.150	-0.956	0.975	1.255	1.345	1.345	-0.956	0.610
113V	1.141	-0.228	1.561	-0.079	1.312	1.742	1.014	1.742	-0.228	0.923
114H	0.825	-0.228	1.487	0.318	1.276	1.730	1.504	1.730	-0.228	0.987
115R	0.263	0.309	1.169	0.329	1.112	1.712	2.052	2.052	0.263	0.992
116D	-0.332	-0.146	1.057	-0.205	1.148	1.713	2.640	2.640	-0.332	0.839
117L	0.263	0.171	1.169	-0.810	1.112	1.712	2.052	2.052	-0.810	0.810
118V	0.263	0.866	1.253	-1.437	1.212	1.111	2.005	2.005	-1.437	0.753
119V	0.408	1.537	0.973	-1.187	0.893	0.506	2.165	2.165	-1.187	0.756
120G	0.104	1.309	0.898	-0.696	0.729	0.037	2.215	2.215	-0.696	0.657
121P	1.179	0.357	1.309	-0.002	1.084	0.632	1.754	1.754	-0.002	0.902
122S	0.907	0.854	1.290	0.112	1.075	0.632	1.487	1.487	0.112	0.908
123T	0.636	0.626	1.272	-0.510	1.066	0.632	1.220	1.272	-0.510	0.706
124E	0.686	0.744	1.431	-1.256	1.267	0.652	1.379	1.431	-1.256	0.700
125I	0.914	0.982	1.178	-1.806	0.948	0.633	1.160	1.178	-1.806	0.573
126I	0.945	2.120	1.328	-1.274	1.103	0.654	0.887	2.120	-1.274	0.823
127S	0.882	2.120	1.561	-0.459	1.422	1.258	0.845	2.120	-0.459	1.090
128G	0.655	1.169	1.664	0.328	1.531	1.283	0.871	1.664	0.328	1.071
129N	0.655	1.032	1.664	0.154	1.531	1.283	0.871	1.664	0.154	1.027
130R	0.926	0.423	1.683	-0.614	1.540	1.283	1.138	1.683	-0.614	0.911
131R	0.844	0.237	1.730	-1.687	1.540	1.283	1.019	1.730	-1.687	0.709
132I	0.617	-0.086	1.739	-2.089	1.586	1.283	0.008	1.739	-2.089	0.437
133V	0.534	0.143	1.431	-2.144	1.230	1.242	0.121	1.431	-2.144	0.365
134T	0.598	0.778	1.197	-1.651	0.911	0.638	0.163	1.197	-1.651	0.376
135A	0.098	0.323	0.646	-1.368	0.428	0.015	0.753	0.753	-1.368	0.128
136G	1.236	0.413	1.057	-0.955	0.765	0.502	0.422	1.236	-0.955	0.491
137T	1.559	-0.310	0.963	-0.489	0.683	0.518	0.456	1.559	-0.489	0.483
138V	1.363	-0.711	0.926	0.393	0.701	1.118	0.682	1.363	-0.711	0.639
139D	0.996	-0.819	0.804	1.147	0.692	1.119	2.281	2.281	-0.819	0.889
140C	0.768	-1.682	0.973	1.981	0.911	1.739	2.548	2.548	-1.682	1.034
141H	-0.142	-1.682	0.692	1.963	0.765	1.725	2.942	2.942	-1.682	0.895
142V	-0.414	-1.414	0.674	1.572	0.756	1.725	2.675	2.675	-1.414	0.796
143H	-0.958	-0.827	0.188	0.663	0.346	1.254	3.306	3.306	-0.958	0.567
144L	-0.913	-1.242	0.646	-0.023	0.711	1.255	2.904	2.904	-1.242	0.477
145I	-0.667	-1.362	0.814	-0.490	0.911	0.678	2.800	2.800	-1.362	0.383
146C	-0.939	-1.133	0.795	-0.438	0.902	0.678	2.533	2.533	-1.133	0.342
147P	-1.577	-0.595	0.496	-0.712	0.711	0.060	2.587	2.587	-1.577	0.139
148Q	-1.230	-0.953	0.459	-1.197	0.692	0.056	2.741	2.741	-1.230	0.081
149I	-0.231	-1.648	0.926	-1.921	1.075	0.654	2.393	2.393	-1.921	0.178
150I	-0.186	-1.324	1.141	-2.542	1.166	0.636	0.761	1.166	-2.542	-0.050
151V	-0.901	-0.999	0.814	-2.709	0.902	0.622	0.976	0.976	-2.709	-0.185
152E	-1.147	-0.276	0.487	-2.606	0.528	0.580	-0.198	0.580	-2.606	-0.376
153A	-0.509	-0.360	0.627	-2.434	0.547	0.578	-1.529	0.627	-2.434	-0.440
154L	0.357	0.131	0.758	-2.300	0.519	0.576	-1.851	0.758	-2.300	-0.258
155A	0.920	0.826	1.075	-2.092	0.683	0.595	-2.399	1.075	-2.399	-0.056
156A	0.756	0.501	0.945	-1.694	0.474	0.015	-2.332	0.945	-2.332	-0.191
157G	0.952	0.177	1.141	-1.140	0.629	0.035	-1.281	1.141	-1.281	0.073
158T	1.028	0.177	1.085	-0.772	0.601	0.031	-1.394	1.085	-1.394	0.108
159T	0.389	0.313	0.945	-0.809	0.583	0.033	-0.062	0.945	-0.809	0.199
160T	0.617	0.449	0.935	-1.281	0.537	0.033	0.948	0.948	-1.281	0.320
161I	0.617	0.449	0.935	-1.894	0.537	0.033	0.948	0.948	-1.894	0.232
162I	0.648	1.401	0.730	-2.280	0.337	0.013	0.908	1.401	-2.280	0.251
163G	0.648	2.084	0.730	-2.135	0.337	0.013	0.908	2.084	-2.135	0.369
164G	0.680	1.457	0.524	-1.774	0.136	-0.007	0.867	1.457	-1.774	0.269
165G	1.318	1.405	0.907	-1.197	0.428	0.011	0.765	1.405	-1.197	0.520
166T	1.957	1.405	1.047	-0.868	0.446	0.009	-0.566	1.957	-0.868	0.490
167G	2.090	1.405	1.384	-0.776	0.856	0.608	-0.593	2.090	-0.776	0.711
168P	2.090	1.609	1.384	-0.955	0.856	0.608	-0.593	2.090	-0.955	0.714
169A	2.058	1.251	1.589	-1.156	1.057	0.628	-0.553	2.058	-1.156	0.696

170E	2.090	1.742	1.842	-1.444	1.540	1.203	-0.528	2.090	-1.444	0.921
171G	1.862	1.658	1.851	-1.488	1.586	1.203	-1.539	1.862	-1.539	0.733
172T	2.058	0.934	1.804	-1.500	1.467	1.204	-1.718	2.058	-1.718	0.607
173K	2.254	0.934	2.001	-1.339	1.622	1.224	-0.667	2.254	-1.339	0.861
174A	1.527	0.461	1.552	-1.187	1.248	0.626	-0.052	1.552	-1.187	0.597
175T	1.495	1.089	1.758	-0.905	1.449	0.646	-0.012	1.758	-0.905	0.789
176T	1.299	1.173	1.804	-0.667	1.567	0.645	0.168	1.804	-0.667	0.856
177V	1.299	0.179	1.346	-0.472	0.884	0.050	0.103	1.346	-0.472	0.484
178T	1.660	0.365	1.674	-0.453	1.248	0.650	1.087	1.674	-0.453	0.890
179P	0.699	-0.330	1.496	-0.701	1.112	0.655	1.068	1.496	-0.701	0.571
180G	0.503	-0.689	1.459	-0.763	1.130	1.255	1.295	1.459	-0.763	0.599
181E	0.155	-0.502	1.496	-0.791	1.148	1.259	1.141	1.496	-0.791	0.558
182W	-0.041	-1.192	1.300	-0.556	0.993	1.239	0.090	1.300	-1.192	0.262
183H	0.092	-0.893	1.487	-0.570	1.194	1.845	-0.131	1.845	-0.893	0.432
184L	-0.534	-0.408	1.487	-0.952	1.285	1.862	-0.186	1.862	-0.952	0.365
185A	-1.609	0.652	1.075	-1.759	0.929	1.268	0.275	1.268	-1.759	0.119
186R	-0.484	0.447	1.384	-2.404	1.276	1.842	0.227	1.842	-2.404	0.327
187M	-0.205	0.173	1.375	-2.608	1.257	1.242	0.119	1.375	-2.608	0.193
188L	-0.205	0.914	1.375	-2.209	1.257	1.242	0.119	1.375	-2.209	0.356
189E	0.294	0.616	1.646	-1.318	1.576	1.731	1.120	1.731	-1.318	0.809
190S	0.389	0.399	1.206	-0.609	1.057	1.106	1.121	1.206	-0.609	0.667
191L	0.022	-0.552	1.234	-0.143	1.030	1.114	1.199	1.234	-0.552	0.558
192D	0.737	0.261	1.561	-0.123	1.294	1.128	0.984	1.561	-0.123	0.835
193G	0.010	-0.452	1.113	-0.371	0.920	0.530	1.599	1.599	-0.452	0.478
194W	0.041	-1.079	1.262	-0.370	1.075	0.551	1.326	1.326	-1.079	0.401
195P	0.041	-0.781	1.281	0.042	1.020	0.549	1.142	1.281	-0.781	0.471
196V	-0.458	-1.344	1.010	0.526	0.701	0.060	0.141	1.010	-1.344	0.091
197N	-1.400	-0.621	0.935	0.687	0.756	0.066	0.576	0.935	-1.400	0.143
198F	-1.350	-0.398	0.832	0.233	0.747	0.046	0.988	0.988	-1.350	0.157
199A	-1.122	0.403	0.580	-0.810	0.428	0.027	0.769	0.769	-1.122	0.039
200L	-0.528	1.012	1.150	-1.618	1.075	0.620	0.245	1.150	-1.618	0.280
201L	-0.610	1.708	0.842	-2.194	0.720	0.580	0.358	1.708	-2.194	0.200
202G	0.414	1.816	1.206	-1.782	1.075	0.616	-0.006	1.816	-1.782	0.477
203K	0.610	1.798	1.403	-1.000	1.230	0.636	1.045	1.798	-1.000	0.817
204G	0.958	1.325	1.365	-0.044	1.212	0.632	1.199	1.365	-0.044	0.949
205N	1.982	1.237	1.748	0.939	1.513	0.667	0.651	1.982	0.651	1.248
206T	1.755	0.628	2.001	1.432	1.832	0.686	0.871	2.001	0.628	1.315
207V	2.026	-0.068	1.823	1.864	1.513	0.580	0.797	2.026	-0.068	1.219
208N	1.799	-0.474	1.832	1.990	1.558	0.580	-0.214	1.990	-0.474	1.010
209P	0.775	-0.508	1.449	1.650	1.257	0.545	0.334	1.650	-0.508	0.786
210D	-0.186	-0.376	1.272	0.791	1.121	0.551	0.316	1.272	-0.376	0.498
211A	0.541	-1.119	1.720	-0.321	1.494	1.149	-0.299	1.720	-1.119	0.452
212L	0.477	-0.306	1.748	-1.447	1.558	1.150	-0.023	1.748	-1.447	0.451
213W	-0.237	0.525	1.421	-1.902	1.294	1.137	0.192	1.421	-1.902	0.347
214E	-0.604	1.656	1.580	-2.054	1.449	1.273	0.200	1.656	-2.054	0.500
215Q	-0.376	1.080	1.571	-1.975	1.403	1.273	1.210	1.571	-1.975	0.598
216L	0.566	1.445	1.646	-1.985	1.349	1.267	0.776	1.646	-1.985	0.723
217R	1.331	2.277	1.627	-2.050	1.330	1.242	-0.257	2.277	-2.050	0.786
218G	1.249	1.289	1.449	-1.769	1.121	0.662	-0.070	1.449	-1.769	0.561
219G	1.230	1.493	1.113	-1.432	0.701	0.620	-0.234	1.493	-1.432	0.499
220A	1.230	0.662	1.132	-0.839	0.647	0.619	-0.417	1.230	-0.839	0.433
221S	1.325	0.752	1.150	-0.560	0.811	0.589	-0.351	1.325	-0.560	0.531
222G	0.383	0.471	1.075	-0.639	0.866	0.594	0.083	1.075	-0.639	0.405
223F	0.155	0.383	1.244	-0.706	1.084	1.214	0.350	1.244	-0.706	0.532
224K	0.515	0.055	1.571	-0.723	1.449	1.814	1.334	1.814	-0.723	0.859
225L	0.737	-0.150	1.692	-0.264	1.613	2.282	1.165	2.282	-0.264	1.011
226H	-0.256	0.910	1.720	0.196	1.677	2.308	1.187	2.308	-0.256	1.106
227E	0.686	1.311	1.776	0.388	1.677	2.303	0.936	2.303	0.388	1.297
228D	0.737	1.095	1.477	0.245	1.194	1.729	1.031	1.729	0.245	1.072

229W	1.647	0.556	1.758	0.101	1.339	1.743	0.637	1.758	0.101	1.112
230G	1.647	1.058	1.842	0.009	1.440	1.143	0.590	1.842	0.009	1.104
231S	1.287	0.107	1.515	0.261	1.075	0.543	-0.394	1.515	-0.394	0.628
232T	0.787	-0.210	1.244	0.139	0.756	0.054	-1.395	1.244	-1.395	0.196
233P	0.914	-0.210	1.085	-0.365	0.720	0.031	-1.096	1.085	-1.096	0.154
234A	1.186	-0.532	1.365	-0.839	1.084	0.520	-1.105	1.365	-1.105	0.240
235A	1.103	-0.737	1.412	-1.197	1.084	0.519	-1.224	1.412	-1.224	0.137
236I	0.863	-0.737	1.001	-0.751	0.838	0.517	-0.643	1.001	-0.751	0.156
237D	0.149	-0.508	0.674	-0.264	0.574	0.504	-0.428	0.674	-0.508	0.100
238T	0.149	-1.047	0.674	0.071	0.574	0.504	-0.428	0.674	-1.047	0.071
239C	-0.218	-0.999	0.552	-0.311	0.565	0.505	1.171	1.171	-0.999	0.181
240L	0.421	-1.131	0.692	-0.938	0.583	0.503	-0.161	0.692	-1.131	-0.004
241A	0.421	-0.927	0.692	-1.411	0.583	0.503	-0.161	0.692	-1.411	-0.043
242V	-0.142	-0.300	0.375	-1.386	0.419	0.485	0.387	0.485	-1.386	-0.023
243A	-0.098	-0.300	0.589	-1.073	0.510	0.467	-1.245	0.589	-1.245	-0.164
244D	0.844	0.191	0.664	-0.834	0.455	0.462	-1.680	0.844	-1.680	0.015
245V	0.477	-0.444	0.543	-0.981	0.446	0.463	-0.081	0.543	-0.981	0.061
246A	1.091	-0.348	0.991	-1.303	0.829	0.504	-0.506	1.091	-1.303	0.180
247G	0.724	-0.552	0.870	-1.517	0.820	0.506	1.093	1.093	-1.517	0.278
248V	0.225	-1.089	0.599	-1.661	0.501	0.017	0.091	0.599	-1.661	-0.188
249Q	-0.123	-0.138	0.636	-1.669	0.519	0.021	-0.062	0.636	-1.669	-0.117
250V	-0.123	-0.090	0.795	-1.385	0.692	0.641	1.215	1.215	-1.385	0.249
251A	-0.073	0.497	0.954	-0.866	0.893	0.661	1.375	1.375	-0.866	0.492
252L	0.794	0.293	1.346	0.282	1.221	1.148	0.777	1.346	0.282	0.837
253H	0.743	1.107	1.216	1.361	1.002	1.126	0.654	1.361	0.654	1.030
254S	0.395	1.591	1.253	1.935	1.020	1.129	0.501	1.935	0.395	1.118
255D	0.705	1.227	1.552	1.975	1.330	1.170	1.398	1.975	0.705	1.337
256T	1.780	1.315	1.963	1.482	1.686	1.764	0.936	1.963	0.936	1.561
257L	1.976	0.650	2.001	1.035	1.668	1.164	0.710	2.001	0.650	1.315
258N	1.925	0.758	1.842	0.657	1.467	1.144	0.550	1.925	0.550	1.192
259E	0.711	0.724	1.505	0.315	1.103	0.660	0.810	1.505	0.315	0.833
260T	0.149	0.688	1.188	-0.260	0.938	0.641	1.358	1.358	-0.260	0.672
261G	1.224	0.688	1.599	-0.662	1.294	1.235	0.897	1.599	-0.662	0.896
262F	1.413	-0.264	1.571	-0.993	1.303	1.684	1.001	1.684	-0.993	0.816
263V	1.249	0.538	1.440	-0.789	1.093	1.104	1.068	1.440	-0.789	0.815
264E	0.414	0.634	1.103	-0.605	0.920	1.086	1.349	1.349	-0.605	0.700
265D	0.414	-0.266	1.103	-0.450	0.920	1.086	1.349	1.349	-0.450	0.594
266T	1.129	-0.805	1.169	-0.753	0.966	1.082	0.088	1.169	-0.805	0.411
267I	0.857	-0.669	1.150	-1.393	0.957	1.082	-0.179	1.150	-1.393	0.258
268G	0.496	0.469	0.823	-1.990	0.592	0.482	-1.163	0.823	-1.990	-0.041
269A	0.225	0.698	0.543	-2.441	0.228	-0.007	-1.154	0.698	-2.441	-0.273
270I	0.161	0.373	0.776	-2.575	0.547	0.598	-1.195	0.776	-2.575	-0.188
271A	1.078	0.788	1.066	-2.205	0.720	0.616	-1.357	1.078	-2.205	0.101
272G	0.212	0.788	0.935	-1.914	0.747	0.618	-1.036	0.935	-1.914	0.050
273R	0.212	-0.246	1.094	-1.117	0.920	1.238	0.242	1.238	-1.117	0.335
274S	0.850	-0.969	1.234	-0.536	0.938	1.236	-1.090	1.236	-1.090	0.238
275I	0.598	-1.334	1.487	0.013	1.175	1.256	0.252	1.487	-1.334	0.492
276H	0.370	-0.434	1.655	0.406	1.394	1.875	0.519	1.875	-0.434	0.827
277A	0.433	0.103	1.421	0.760	1.075	1.271	0.561	1.421	0.103	0.803
278Y	0.515	0.103	1.599	0.785	1.285	1.850	0.375	1.850	0.103	0.930
279H	1.382	1.137	1.730	0.813	1.257	1.848	0.053	1.848	0.053	1.174
280T	1.382	1.674	1.571	0.139	1.084	1.229	-1.224	1.674	-1.224	0.836
281E	1.609	1.810	1.561	-0.612	1.039	1.229	-0.214	1.810	-0.612	0.917
282G	2.090	1.325	1.300	-1.292	0.756	1.209	-0.546	2.090	-1.292	0.692
283A	2.317	0.698	1.132	-1.745	0.537	0.589	-0.813	2.317	-1.745	0.388
284G	2.121	1.056	1.094	-1.387	0.556	1.189	-0.586	2.121	-1.387	0.578
285G	1.761	0.968	0.767	-0.860	0.191	0.590	-1.570	1.761	-1.570	0.264
286G	1.533	0.017	1.019	-0.095	0.510	0.609	-1.350	1.533	-1.350	0.320
287H	2.033	-0.935	1.290	0.568	0.829	1.098	-0.349	2.033	-0.935	0.648

288A	1.167	-0.534	1.160	0.760	0.856	1.099	-0.028	1.167	-0.534	0.640
289P	0.300	-0.631	1.029	0.419	0.884	1.101	0.294	1.101	-0.631	0.485
290D	0.269	-0.989	1.234	-0.158	1.084	1.121	0.334	1.234	-0.989	0.414
291I	-0.098	-1.528	0.954	-1.086	0.902	0.503	0.656	0.954	-1.528	0.043
292I	-0.098	-0.713	0.954	-1.579	0.902	0.503	0.656	0.954	-1.579	0.089
293T	-0.098	-0.030	0.711	-1.849	0.629	0.484	-0.575	0.711	-1.849	-0.104
294V	-0.351	0.089	0.767	-1.868	0.683	0.037	-0.402	0.767	-1.868	-0.149
295A	0.288	0.089	1.150	-1.565	0.975	0.055	-0.504	1.150	-1.565	0.070
296A	1.236	-0.116	1.589	-0.762	1.303	0.093	-0.939	1.589	-0.939	0.344
297Q	0.673	0.243	1.272	0.025	1.139	0.075	-0.391	1.272	-0.391	0.434
298P	0.326	0.608	1.309	0.792	1.157	0.079	-0.544	1.309	-0.544	0.532
299N	0.326	1.105	1.552	0.928	1.431	0.098	0.686	1.552	0.098	0.875
300V	0.604	0.986	1.702	0.660	1.586	0.118	1.856	1.856	0.118	1.073
301L	0.636	1.692	1.524	0.435	1.367	0.096	1.852	1.852	0.096	1.086
302P	0.832	2.255	1.477	0.695	1.248	0.096	1.673	2.255	0.096	1.182
303S	0.832	2.387	1.477	1.377	1.248	0.096	1.673	2.387	0.096	1.299
304S	1.198	2.345	1.842	2.083	1.531	0.114	1.304	2.345	0.114	1.488
305T	2.109	1.848	2.122	2.492	1.677	0.128	0.910	2.492	0.128	1.612
306N	2.241	1.447	2.309	2.175	1.877	0.734	0.689	2.309	0.689	1.639
307P	1.963	1.329	2.403	1.542	1.996	0.733	0.749	2.403	0.733	1.531
308T	1.685	0.874	2.412	0.897	2.014	1.333	0.857	2.412	0.857	1.439
309R	1.685	0.992	2.412	0.726	2.014	1.333	0.857	2.412	0.726	1.431
310P	1.009	0.670	1.991	0.783	1.695	1.294	1.558	1.991	0.670	1.286
311H	1.318	0.107	2.047	1.337	1.731	1.315	1.225	2.047	0.107	1.297
312T	1.318	0.556	2.047	1.493	1.731	1.315	1.225	2.047	0.556	1.384
313V	0.471	0.640	1.533	1.460	1.267	0.696	1.661	1.661	0.471	1.104
314N	0.971	0.826	1.561	1.339	1.312	1.166	1.432	1.561	0.826	1.230
315T	1.331	0.013	1.730	0.874	1.504	1.146	1.139	1.730	0.013	1.105
316L	1.135	0.061	1.692	0.782	1.522	1.746	1.365	1.746	0.061	1.186
317D	0.787	0.151	1.730	0.656	1.540	1.750	1.212	1.750	0.151	1.118
318E	0.977	-0.593	1.702	0.815	1.549	2.198	1.316	2.198	-0.593	1.138
319H	0.383	-1.282	1.496	0.725	1.440	2.195	1.220	2.195	-1.282	0.882
320L	0.383	-1.468	1.496	0.503	1.440	2.195	1.220	2.195	-1.468	0.824
321D	-0.515	-1.228	1.216	-0.502	1.166	1.723	1.173	1.723	-1.228	0.433
322M	-1.242	-1.676	0.767	-1.325	0.793	1.125	1.788	1.788	-1.676	0.033
323L	-1.286	-1.472	0.393	-2.099	0.528	0.523	2.143	2.143	-2.099	-0.181
324M	-0.572	-1.472	0.636	-1.684	0.692	1.138	1.976	1.976	-1.684	0.102
325V	-1.072	-0.749	0.524	-0.556	0.547	1.269	2.252	2.252	-1.072	0.316
326C	-1.388	-0.294	0.449	0.958	0.510	1.257	2.742	2.742	-1.388	0.605
327H	-0.363	0.483	0.832	2.327	0.811	1.292	2.194	2.327	-0.363	1.082
328H	0.035	0.069	1.085	2.795	1.039	1.294	2.469	2.795	0.035	1.255
329L	0.534	0.337	1.636	2.548	1.522	1.917	1.880	2.548	0.337	1.482
330N	-0.060	1.117	1.711	1.621	1.595	1.901	1.579	1.901	-0.060	1.352
331P	-0.060	1.046	1.795	0.571	1.695	1.300	1.532	1.795	-0.060	1.126
332R	0.300	0.483	1.963	-0.647	1.886	1.280	1.238	1.963	-0.647	0.929
333I	1.514	-0.330	2.318	-0.929	2.196	1.763	0.794	2.318	-0.929	1.047
334P	0.490	-0.180	1.935	-1.069	1.895	1.728	1.342	1.935	-1.069	0.878
335E	0.490	-0.538	1.692	-0.712	1.622	1.709	0.112	1.709	-0.712	0.625
336D	-0.357	-0.538	1.197	-0.574	1.103	1.089	0.364	1.197	-0.574	0.326
337L	0.281	-0.222	1.337	-0.726	1.121	1.087	-0.968	1.337	-0.968	0.273
338A	0.642	0.796	1.421	-1.178	1.212	1.668	-1.214	1.668	-1.214	0.478
339F	0.560	0.471	1.244	-1.166	1.002	1.088	-1.028	1.244	-1.166	0.310
340A	0.193	1.459	1.403	-1.260	1.157	1.224	-1.020	1.459	-1.260	0.451
341E	0.269	1.818	1.346	-1.155	1.130	1.220	-1.133	1.818	-1.155	0.499
342S	0.402	2.098	1.776	-1.354	1.604	1.845	-0.124	2.098	-1.354	0.892
343R	1.116	1.734	2.085	-1.656	1.923	1.860	-0.155	2.085	-1.656	0.987
344I	1.394	0.596	2.234	-1.680	2.078	1.880	1.015	2.234	-1.680	1.074
345R	1.230	0.920	2.103	-1.149	1.868	1.300	1.082	2.103	-1.149	1.051
346P	0.313	0.107	1.814	-0.591	1.695	1.282	1.244	1.814	-0.591	0.838

347S	0.180	0.323	1.384	-0.214	1.221	0.657	0.235	1.384	-0.214	0.541
348T	0.819	0.007	1.524	-0.582	1.239	0.655	-1.097	1.524	-1.097	0.366
349I	1.046	-0.581	1.421	-1.326	1.130	0.630	-1.123	1.421	-1.326	0.171
350A	1.546	-0.460	1.449	-1.695	1.175	1.100	-1.351	1.546	-1.695	0.252
351A	0.901	-0.370	1.178	-1.638	1.011	1.082	-0.923	1.178	-1.638	0.177
352E	-0.009	0.169	0.898	-1.215	0.866	1.067	-0.528	1.067	-1.215	0.178
353D	0.629	-0.520	1.197	-0.554	1.057	1.685	-0.583	1.685	-0.583	0.416
354V	1.129	-0.432	1.468	0.048	1.376	2.174	0.419	2.174	-0.432	0.883
355L	0.730	-0.336	1.459	0.513	1.422	2.191	1.373	2.191	-0.336	1.050
356H	0.598	-0.456	1.122	0.851	1.011	1.592	1.400	1.592	-0.456	0.874
357D	0.098	0.309	0.851	0.428	0.692	1.103	0.399	1.103	0.098	0.554
358M	-0.174	-0.344	0.832	-0.478	0.683	1.103	0.132	1.103	-0.478	0.251
359G	0.819	-0.554	1.066	-1.212	0.829	1.118	-0.143	1.118	-1.212	0.275
360A	0.421	-0.554	0.898	-1.788	0.701	0.515	-0.466	0.898	-1.788	-0.039
361I	-0.717	0.301	0.487	-1.862	0.364	0.028	-0.135	0.487	-1.862	-0.219
362S	-0.092	1.165	0.487	-1.813	0.273	0.011	-0.080	1.165	-1.813	-0.007
363M	-0.041	1.165	0.646	-1.752	0.474	0.031	0.080	1.165	-1.752	0.086
364I	0.459	1.770	0.917	-1.399	0.793	0.520	1.081	1.770	-1.399	0.591
365G	1.375	2.094	1.206	-0.365	0.966	0.538	0.919	2.094	-0.365	0.962
366S	1.344	1.353	1.384	0.674	1.185	0.560	0.923	1.384	0.560	1.060
367D	1.742	1.125	1.393	1.400	1.139	0.543	-0.032	1.742	-0.032	1.044
368S	1.982	1.399	1.524	1.102	1.203	0.558	-0.409	1.982	-0.409	1.051
369Q	1.982	0.447	1.524	0.105	1.203	0.558	-0.409	1.982	-0.409	0.773
370A	1.837	0.584	1.804	-1.159	1.522	1.163	-0.570	1.837	-1.159	0.740
371M	0.971	1.159	1.412	-2.018	1.194	0.676	0.028	1.412	-2.018	0.489
372G	0.920	1.177	1.253	-2.393	0.993	0.656	-0.132	1.253	-2.393	0.353
373R	1.034	0.453	1.253	-2.399	0.984	1.213	-0.321	1.253	-2.399	0.317
374V	0.667	-0.564	1.132	-2.296	0.975	1.214	1.277	1.277	-2.296	0.344
375G	0.699	0.345	1.019	-2.190	0.920	1.199	1.921	1.921	-2.190	0.559
376E	-0.243	0.209	0.945	-2.227	0.975	1.204	2.356	2.356	-2.227	0.460
377V	-0.243	-0.869	0.945	-2.303	0.975	1.204	2.356	2.356	-2.303	0.295
378V	0.319	-0.282	1.262	-2.273	1.139	1.223	1.808	1.808	-2.273	0.457
379L	-0.673	0.305	1.290	-2.225	1.203	1.248	1.830	1.830	-2.225	0.425
380R	-0.787	0.509	1.290	-1.911	1.212	0.691	2.020	2.020	-1.911	0.432
381T	-0.224	-0.214	1.608	-1.521	1.376	0.709	1.472	1.608	-1.521	0.458
382W	0.142	-0.801	1.730	-1.169	1.385	0.707	-0.127	1.730	-1.169	0.267
383Q	0.857	-0.412	1.973	-0.594	1.549	1.322	-0.295	1.973	-0.594	0.629
384T	0.357	-0.072	1.421	-0.167	1.066	0.699	0.295	1.421	-0.167	0.514
385A	-0.237	-0.562	1.216	0.043	0.957	0.696	0.199	1.216	-0.562	0.330
386H	0.756	0.251	1.646	-0.173	1.576	1.265	0.242	1.646	-0.173	0.795
387V	0.509	0.974	1.318	-0.871	1.203	1.223	-0.932	1.318	-0.932	0.489
388M	0.446	1.698	1.552	-1.814	1.522	1.828	-0.973	1.828	-1.814	0.608
389K	0.579	1.812	1.982	-2.372	1.996	2.452	0.036	2.452	-2.372	0.926
390A	0.806	0.776	1.814	-2.721	1.777	1.833	-0.231	1.833	-2.721	0.579
391R	1.173	1.351	1.935	-2.622	1.786	1.831	-1.830	1.935	-2.622	0.518
392R	0.857	1.165	1.860	-2.476	1.750	1.819	-1.340	1.860	-2.476	0.519
393G	0.990	0.890	1.739	-2.376	1.476	1.824	-1.431	1.824	-2.376	0.445
394A	1.217	0.622	1.730	-2.301	1.431	1.824	-0.421	1.824	-2.301	0.586
395L	1.584	1.477	1.571	-1.954	1.276	1.688	-0.429	1.688	-1.954	0.745
396E	1.451	2.309	1.384	-1.348	1.075	1.083	-0.208	2.309	-1.348	0.821
397G	1.502	2.589	1.543	-0.344	1.276	1.103	-0.049	2.589	-0.344	1.088
398D	1.729	2.453	1.533	0.510	1.230	1.103	0.962	2.453	0.510	1.360
399P	2.722	1.914	1.767	1.156	1.376	1.117	0.687	2.722	0.687	1.534
400S	2.608	1.555	1.767	1.181	1.385	0.560	0.876	2.608	0.560	1.419
401G	2.381	1.239	1.776	0.919	1.431	0.560	-0.134	2.381	-0.134	1.167
402S	1.881	1.221	1.505	0.297	1.112	0.071	-1.135	1.881	-1.135	0.707
403Q	2.381	0.974	1.533	-0.037	1.157	0.541	-1.364	2.381	-1.364	0.741
404A	2.412	1.297	1.683	0.004	1.312	0.562	-1.637	2.412	-1.637	0.805
405A	2.494	1.201	1.991	0.997	1.668	0.602	-1.750	2.494	-1.750	1.029

406D	2.349	2.014	2.272	2.054	1.987	1.207	-1.911	2.349	-1.911	1.425
407N	1.736	2.289	1.823	2.740	1.604	1.166	-1.486	2.740	-1.486	1.410
408N	1.868	1.273	2.253	2.137	2.078	1.791	-0.476	2.253	-0.476	1.560
409R	2.001	0.339	2.683	0.608	2.552	2.416	0.533	2.683	0.339	1.590
410V	1.249	-0.474	2.664	-1.050	2.470	1.946	0.874	2.664	-1.050	1.097
411R	0.300	0.453	2.225	-2.125	2.142	1.907	1.309	2.225	-2.125	0.887
412R	-0.009	-0.767	1.926	-2.546	1.832	1.867	0.412	1.926	-2.546	0.388
413Y	0.085	-1.089	1.945	-2.542	1.996	1.837	0.477	1.996	-2.542	0.387
414I	0.199	-1.007	2.318	-2.484	2.242	1.854	0.221	2.318	-2.484	0.478
415A	0.263	-0.647	2.085	-2.278	1.923	1.250	0.262	2.085	-2.278	0.408
416K	-0.509	-0.288	1.515	-2.016	1.431	0.627	0.585	1.515	-2.016	0.192
417Y	-0.300	-1.119	1.047	-1.607	1.103	0.625	0.875	1.103	-1.607	0.089
418T	0.338	-1.037	1.431	-1.147	1.394	0.642	0.773	1.431	-1.147	0.342
419I	0.338	-1.528	1.431	-0.806	1.394	0.642	0.773	1.431	-1.528	0.321
420C	-0.528	-1.113	0.842	-0.691	0.738	0.049	1.030	1.030	-1.113	0.047
421P	-0.275	-0.522	0.589	-0.891	0.501	0.030	-0.312	0.589	-0.891	-0.126
422A	-0.471	-0.995	0.552	-1.074	0.519	0.630	-0.086	0.630	-1.074	-0.132
423I	0.395	-0.456	0.683	-1.035	0.492	0.628	-0.407	0.683	-1.035	0.043
424A	0.041	-0.042	0.889	-0.778	0.629	0.628	-1.084	0.889	-1.084	0.040
425H	0.541	-0.246	0.917	-0.309	0.674	1.098	-1.313	1.098	-1.313	0.194
426G	0.541	-0.661	1.075	0.214	0.847	1.717	-0.036	1.717	-0.661	0.528
427M	0.465	-0.661	1.132	0.529	0.875	1.721	0.077	1.721	-0.661	0.591
428D	-0.174	0.309	0.991	0.757	0.856	1.723	1.409	1.723	-0.174	0.839
429H	0.054	-0.326	0.823	0.387	0.638	1.103	1.142	1.142	-0.326	0.546
430L	0.104	0.159	0.982	-0.137	0.838	1.123	1.302	1.302	-0.137	0.624
431I	0.136	0.267	0.870	-0.758	0.784	1.107	1.946	1.946	-0.758	0.622
432G	-0.003	1.219	0.926	-1.042	0.829	1.218	1.928	1.928	-1.042	0.725
433S	-0.370	1.423	0.646	-1.170	0.647	0.600	2.250	2.250	-1.170	0.575
434V	0.572	0.363	0.720	-1.243	0.592	0.594	1.815	1.815	-1.243	0.488
435E	1.438	0.459	1.309	-1.622	1.248	1.187	1.558	1.558	-1.622	0.797
436V	0.496	0.423	1.234	-1.974	1.303	1.193	1.993	1.993	-1.974	0.667
437G	0.218	0.315	1.085	-2.273	1.148	1.173	0.823	1.173	-2.273	0.355
438K	1.084	-0.408	1.477	-2.022	1.476	1.660	0.225	1.660	-2.022	0.499
439L	0.010	-1.444	1.066	-1.710	1.121	1.066	0.687	1.121	-1.710	0.114
440A	0.010	-1.743	1.066	-1.225	1.121	1.066	0.687	1.121	-1.743	0.140
441D	-0.932	-1.168	0.991	-1.065	1.175	1.071	1.121	1.175	-1.168	0.171
442L	-1.925	-1.348	0.561	-1.258	0.556	0.502	1.079	1.079	-1.925	-0.262
443V	-0.850	-1.144	0.973	-1.787	0.911	1.096	0.617	1.096	-1.787	-0.026
444L	-0.850	-1.222	1.216	-1.996	1.185	1.115	1.847	1.847	-1.996	0.185
445W	-1.350	-1.192	0.945	-2.069	0.866	0.626	0.846	0.945	-2.069	-0.190
446E	-1.350	-0.062	0.963	-1.586	0.811	0.625	0.662	0.963	-1.586	0.009
447P	-1.697	-0.733	1.019	-1.134	0.774	0.627	0.325	1.019	-1.697	-0.117
448A	-0.755	-0.278	1.094	-0.794	0.720	0.622	-0.110	1.094	-0.794	0.071
449F	-0.357	0.081	0.954	-0.740	0.692	0.598	0.457	0.954	-0.740	0.241
450F	-0.585	0.345	1.057	-0.938	0.802	0.623	0.482	1.057	-0.938	0.255
451G	-0.585	0.423	1.057	-1.245	0.802	0.623	0.482	1.057	-1.245	0.223
452V	-0.585	-0.300	1.216	-1.045	0.975	1.243	1.760	1.760	-1.045	0.466
453R	-0.237	-0.408	1.160	-0.603	1.011	1.241	2.097	2.097	-0.603	0.609
454P	0.111	-0.390	1.103	0.036	1.048	1.238	2.435	2.435	-0.390	0.797
455H	-0.831	-0.122	1.029	0.185	1.103	1.243	2.869	2.869	-0.831	0.782
456V	-0.237	0.415	1.599	-0.367	1.750	1.837	2.346	2.346	-0.367	1.049
457V	-0.142	0.511	1.160	-1.254	1.230	1.212	2.347	2.347	-1.254	0.723
458L	0.085	0.283	0.907	-1.923	0.911	1.193	2.127	2.127	-1.923	0.512
459K	0.085	0.487	0.748	-2.246	0.738	0.573	0.850	0.850	-2.246	0.177
460G	-0.186	-0.847	0.730	-2.199	0.729	0.573	0.583	0.730	-2.199	-0.088
461G	0.180	-1.474	0.851	-2.221	0.738	0.572	-1.016	0.851	-2.221	-0.339
462A	0.130	-2.101	0.954	-2.391	0.747	0.592	-1.429	0.954	-2.391	-0.500
463I	-0.098	-2.215	0.505	-2.525	0.109	-0.003	-2.504	0.505	-2.525	-0.962
464A	-0.325	-1.264	0.515	-2.573	0.155	-0.003	-3.514	0.515	-3.514	-1.001

465W	-0.951	-0.725	0.515	-2.556	0.246	0.014	-3.570	0.515	-3.570	-1.004
466A	-0.724	-0.222	0.505	-2.505	0.200	0.014	-2.560	0.505	-2.560	-0.756
467A	0.414	0.387	0.917	-2.174	0.537	0.501	-2.890	0.917	-2.890	-0.330
468M	0.414	0.387	0.917	-1.785	0.537	0.501	-2.890	0.917	-2.890	-0.274
469G	1.489	1.357	1.197	-0.738	0.829	0.517	-3.025	1.489	-3.025	0.232
470D	1.489	0.405	1.197	0.126	0.829	0.517	-3.025	1.489	-3.025	0.220
471A	1.767	0.225	1.346	1.015	0.984	0.537	-1.855	1.767	-1.855	0.574
472N	1.527	0.716	1.216	1.087	0.920	0.521	-1.479	1.527	-1.479	0.644
473A	1.299	0.465	1.468	0.903	1.239	0.540	-1.259	1.468	-1.259	0.665
474S	0.996	0.956	1.393	0.207	1.075	0.071	-1.209	1.393	-1.209	0.498
475I	0.996	0.459	1.636	0.051	1.349	0.090	0.021	1.636	0.021	0.657
476P	0.933	0.688	1.664	-0.144	1.412	0.092	0.297	1.664	-0.144	0.706
477T	0.933	0.125	1.907	0.255	1.686	0.111	1.527	1.907	0.111	0.935
478P	0.288	-0.007	1.636	0.231	1.522	0.093	1.956	1.956	-0.007	0.817
479Q	0.212	0.447	1.692	0.111	1.549	0.096	2.069	2.069	0.096	0.882
480P	0.212	0.315	1.692	-0.332	1.549	0.096	2.069	2.069	-0.332	0.800
481V	0.149	-0.158	1.926	-0.840	1.868	0.701	2.028	2.028	-0.840	0.811
482L	0.149	-0.236	1.926	-1.041	1.868	0.701	2.028	2.028	-1.041	0.771
483P	-0.496	0.596	1.589	-1.179	1.540	0.676	1.809	1.809	-1.179	0.648
484R	-1.211	0.237	1.281	-1.138	1.221	0.661	1.840	1.840	-1.211	0.413
485P	-0.616	-0.576	1.393	-1.214	1.185	0.659	1.252	1.393	-1.214	0.297
486M	0.098	-0.935	1.477	-1.259	1.175	0.654	-0.193	1.477	-1.259	0.145
487F	0.098	-0.821	1.234	-1.498	0.902	0.635	-1.423	1.234	-1.498	-0.125
488G	-0.035	-0.156	0.804	-1.588	0.428	0.010	-2.432	0.804	-2.432	-0.424
489A	-0.035	-0.783	0.561	-1.879	0.155	-0.009	-3.662	0.561	-3.662	-0.807
490A	0.560	-0.783	0.767	-1.857	0.264	-0.006	-3.566	0.767	-3.566	-0.660
491A	1.274	-0.783	0.832	-1.857	0.310	-0.010	-4.828	1.274	-4.828	-0.723
492A	1.046	-0.292	0.842	-1.675	0.355	-0.010	-5.838	1.046	-5.838	-0.796
493T	1.046	0.564	0.842	-1.596	0.355	-0.010	-5.838	1.046	-5.838	-0.662
494A	1.242	-0.023	1.038	-1.543	0.510	0.010	-4.787	1.242	-4.787	-0.508
495A	1.521	0.067	1.188	-1.330	0.665	0.030	-3.617	1.521	-3.617	-0.211
496A	1.154	-0.108	1.066	-0.962	0.656	0.031	-2.018	1.154	-2.018	-0.026
497T	0.958	-0.204	1.029	-0.179	0.674	0.631	-1.792	1.029	-1.792	0.160
498S	0.244	-0.695	0.963	0.517	0.629	0.635	-0.531	0.963	-0.695	0.252
499V	-0.123	-1.192	0.842	0.952	0.619	0.637	1.068	1.068	-1.192	0.400
500H	-0.123	-0.605	0.842	0.810	0.619	0.637	1.068	1.068	-0.605	0.464
501F	-0.319	0.161	0.889	0.360	0.738	0.636	1.247	1.247	-0.319	0.530
502V	-0.351	0.011	1.066	-0.315	0.957	0.658	1.251	1.251	-0.351	0.468
503A	0.294	0.646	1.337	-0.317	1.121	0.677	0.822	1.337	-0.317	0.654
504P	-0.344	0.646	1.038	-0.358	0.929	0.059	0.876	1.038	-0.358	0.407
505Q	0.869	1.101	1.375	0.105	1.294	0.544	0.616	1.375	0.105	0.843
506S	1.236	0.405	1.496	0.134	1.303	0.542	-0.983	1.496	-0.983	0.591
507I	1.369	-0.450	1.926	-0.031	1.777	1.167	0.027	1.926	-0.450	0.826
508D	0.655	0.413	1.599	-0.611	1.513	1.153	0.242	1.599	-0.611	0.709
509A	0.408	0.688	1.272	-1.181	1.139	1.111	-0.932	1.272	-1.181	0.358
510R	0.629	0.483	1.393	-1.588	1.303	1.580	-1.101	1.580	-1.588	0.386
511L	1.401	-0.330	1.963	-1.530	1.795	2.202	-1.423	2.202	-1.530	0.583
512A	0.187	-0.222	1.608	-1.341	1.485	1.719	-0.979	1.719	-1.341	0.351
513D	0.187	0.387	1.608	-1.166	1.485	1.719	-0.979	1.719	-1.166	0.463
514R	-0.313	0.662	1.057	-1.345	1.002	1.096	-0.390	1.096	-1.345	0.253
515L	0.711	0.475	1.440	-1.328	1.303	1.131	-0.938	1.440	-1.328	0.399
516A	0.844	0.475	1.870	-1.091	1.777	1.756	0.072	1.870	-1.091	0.815
517V	0.572	0.475	1.589	-0.570	1.412	1.267	0.081	1.589	-0.570	0.690
518N	-0.275	0.930	1.075	-0.269	0.948	0.647	0.517	1.075	-0.275	0.511
519R	0.440	0.225	1.160	-0.527	0.938	0.642	-0.928	1.160	-0.928	0.278
520G	0.440	-0.589	1.403	-1.095	1.212	0.661	0.302	1.403	-1.095	0.333
521L	0.440	-0.677	1.403	-1.411	1.212	0.661	0.302	1.403	-1.411	0.276
522A	0.130	-0.568	1.103	-1.583	0.902	0.620	-0.595	1.103	-1.583	0.001
523P	0.496	0.245	0.945	-1.130	0.747	0.485	-0.603	0.945	-1.130	0.169

524V	-0.098	-0.114	0.832	-0.879	0.784	0.486	-0.015	0.832	-0.879	0.142
525A	0.749	-0.114	1.346	-0.698	1.248	1.106	-0.451	1.346	-0.698	0.455
526D	0.749	0.513	1.346	-0.782	1.248	1.106	-0.451	1.346	-0.782	0.533
527V	0.383	0.806	0.982	-1.214	0.966	1.088	-0.082	1.088	-1.214	0.418
528R	0.977	1.393	1.094	-1.693	0.929	1.087	-0.670	1.393	-1.693	0.445
529A	1.205	1.119	1.543	-2.027	1.567	1.681	0.405	1.681	-2.027	0.785
530V	0.901	0.914	1.468	-2.116	1.403	1.212	0.454	1.468	-2.116	0.605
531G	1.767	1.369	1.860	-1.627	1.731	1.700	-0.143	1.860	-1.627	0.951
532K	0.920	0.538	1.346	-1.065	1.267	1.080	0.293	1.346	-1.065	0.625
533T	0.920	0.315	1.589	-0.378	1.540	1.099	1.523	1.589	-0.378	0.944
534D	0.572	0.363	1.627	-0.110	1.558	1.103	1.369	1.627	-0.110	0.926
535L	0.655	-0.176	1.935	0.213	1.914	1.144	1.256	1.935	-0.176	0.991
536P	0.926	-0.176	1.758	0.550	1.595	1.038	1.182	1.758	-0.176	0.982
537L	0.730	-0.176	1.561	1.090	1.440	1.018	0.131	1.561	-0.176	0.828
538N	-0.484	0.884	1.206	1.290	1.130	0.535	0.575	1.290	-0.484	0.734
539D	0.231	-0.050	1.533	1.191	1.394	0.548	0.360	1.533	-0.050	0.744
540A	0.509	-0.013	1.440	0.545	1.276	0.549	0.299	1.440	-0.013	0.658
541L	0.585	-0.110	1.384	0.018	1.248	0.546	0.186	1.384	-0.110	0.551
542P	0.636	0.634	1.412	-0.394	1.303	1.105	0.273	1.412	-0.394	0.710
543S	-0.231	0.634	1.019	-0.771	0.975	0.617	0.871	1.019	-0.771	0.445
544I	0.269	0.317	1.290	-0.963	1.294	1.106	1.872	1.872	-0.963	0.741
545E	0.983	1.133	1.617	-0.994	1.558	1.120	1.657	1.657	-0.994	1.011
546V	1.483	0.383	1.646	-0.335	1.604	1.590	1.428	1.646	-0.335	1.114
547D	1.401	0.970	1.692	0.500	1.604	1.590	1.309	1.692	0.500	1.295
548P	1.325	0.335	1.767	1.306	1.576	1.592	1.238	1.767	0.335	1.306
549D	1.160	0.790	1.636	1.405	1.367	1.012	1.305	1.636	0.790	1.239
550T	1.160	-0.074	1.636	1.006	1.367	1.012	1.305	1.636	-0.074	1.059
551F	0.794	-0.026	1.795	0.159	1.522	1.148	1.313	1.795	-0.026	0.958
552T	0.155	0.776	1.412	-0.738	1.230	1.131	1.415	1.415	-0.738	0.769
553V	0.155	0.776	1.412	-1.352	1.230	1.131	1.415	1.415	-1.352	0.681
554R	0.187	0.776	1.206	-1.616	1.030	1.111	1.375	1.375	-1.616	0.581
555I	1.148	-0.540	1.599	-1.283	1.449	1.149	1.287	1.599	-1.283	0.687
556D	0.585	0.275	1.281	-0.923	1.285	1.131	1.835	1.835	-0.923	0.781
557G	0.187	0.095	1.421	-0.731	1.312	1.154	1.268	1.421	-0.731	0.672
558Q	0.300	-0.042	1.318	-0.935	1.212	0.572	1.432	1.432	-0.935	0.551
559V	0.939	-0.174	1.702	-1.048	1.504	0.589	1.331	1.702	-1.048	0.692
560W	0.686	-0.078	1.758	-1.073	1.558	0.143	1.503	1.758	-1.073	0.643
561Q	0.459	0.425	2.010	-0.553	1.877	0.162	1.723	2.010	-0.553	0.872
562P	0.212	0.509	1.683	-0.193	1.504	0.119	0.549	1.683	-0.193	0.626
563Q	0.579	-0.054	1.804	-0.099	1.513	0.118	-1.050	1.804	-1.050	0.402
564P	1.704	-0.186	2.113	-0.474	1.859	0.692	-1.098	2.113	-1.098	0.659
565A	0.743	-0.659	1.702	-1.133	1.494	0.655	-0.827	1.702	-1.133	0.282
566A	0.743	-0.168	1.702	-1.609	1.494	0.655	-0.827	1.702	-1.609	0.284
567E	0.098	0.323	1.365	-1.857	1.166	0.630	-1.045	1.365	-1.857	0.097
568L	0.294	0.562	1.318	-1.725	1.048	0.631	-1.224	1.318	-1.725	0.129
569P	0.541	0.359	1.646	-1.441	1.422	0.673	-0.051	1.646	-1.441	0.450
570M	0.673	-0.174	2.075	-1.235	1.895	1.298	0.958	2.075	-1.235	0.785
571T	0.060	-0.264	2.001	-1.153	1.768	0.718	1.317	2.001	-1.153	0.635
572Q	0.060	-0.929	2.019	-1.090	1.713	0.717	1.133	2.019	-1.090	0.518
573R	-0.654	-1.166	1.692	-1.252	1.449	0.703	1.348	1.692	-1.252	0.303
574Y	-0.970	-1.725	1.636	-1.159	1.358	0.690	1.654	1.654	-1.725	0.212
575F	-1.299	-1.063	0.982	-1.119	1.522	0.730	0.603	1.522	-1.299	0.051
576L	-1.678	-0.635	0.197	-0.957	1.467	0.748	-0.570	1.467	-1.678	-0.204
577F	-1.944	-0.176	-0.691	-0.719	1.312	0.183	-1.579	1.312	-1.944	-0.516

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]MARLSRERYAQLYGPTTGDRIRLADTNLLVEVTEDRCGGPGLAGDEAVFGGGKVLRESMGQG RASRADGAPDTVITGAVIIDYWGIIKADIGIRDGRIVGIGKAGNPDIMTGVHRDLVVGPSTEIISGNR RIVTAGTVDCHVHLICPQIIVEALAAGTTTIIGGGTGPAEGTKATTVTPGEWHLARMLESLDGWPV NFALLGKGNTVNPDALWEQLRGGASGFKLHEDWGSTPAAIDTCLAVADVAGVQVALHSDTLNET GFVEDTIGAIAGRSIHAYHTEGAGGGHAPDIITVAAQPNVLPSSTNPTRPHTVNTLDEHLDMLMV CHHLNPRIPEDLAFAESRIRPSTIAAEDVLHDMGAISMIGSDSQAMGRVGEVVLRTWQTAHVMKA RRGALEGDPSGSQAADNNRVRRYIAKYTICPAIAHGMDHLIGSVEVGKLADLVLWEPAFFGVRPH VVLKGGAIAWAAMGDANASIPTPQPVLPRPMFGAAAATAAATSVHFVAPQSIDARLADRLAVNRG LAPVADVRAVGKTDLPLNDALPSIEVDPDTFTVRIDGQVWQPQPAAELPMTQRYFLF[577]
Hydrophilicity	[1]MARLSRERYAQLYGPTTGDRIRLADTNLLVEVTEDRCGGPGLAGDEAVFGGGKVLRESMGQG RASRADGAPDTVITGAVIIDYWGIIKADIGIRDGRIVGIGKAGNPDIMTGVHRDLVVGPSTEIISGNR RIVTAGTVDCHVHLICPQIIVEALAAGTTTIIGGGTGPAEGTKATTVTPGEWHLARMLESLDGWPV NFALLGKGNTVNPDALWEQLRGGASGFKLHEDWGSTPAAIDTCLAVADVAGVQVALHSDTLNET GFVEDTIGAIAGRSIHAYHTEGAGGGHAPDIITVAAQPNVLPSSTNPTRPHTVNTLDEHLDMLMV CHHLNPRIPEDLAFAESRIRPSTIAAEDVLHDMGAISMIGSDSQAMGRVGEVVLRTWQTAHVMKA RRGALEGDPSGSQAADNNRVRRYIAKYTICPAIAHGMDHLIGSVEVGKLADLVLWEPAFFGVRPH VVLKGGAIAWAAMGDANASIPTPQPVLPRPMFGAAAATAAATSVHFVAPQSIDARLADRLAVNRG LAPVADVRAVGKTDLPLNDALPSIEVDPDTFTVRIDGQVWQPQPAAELPMTQRYFLF[577]
Flexibility	[1]MARLSRERYAQLYGPTTGDRIRLADTNLLVEVTEDRCGGPGLAGDEAVFGGGKVLRESMGQG RASRADGAPDTVITGAVIIDYWGIIKADIGIRDGRIVGIGKAGNPDIMTGVHRDLVVGPSTEIISGNR RIVTAGTVDCHVHLICPQIIVEALAAGTTTIIGGGTGPAEGTKATTVTPGEWHLARMLESLDGWPV NFALLGKGNTVNPDALWEQLRGGASGFKLHEDWGSTPAAIDTCLAVADVAGVQVALHSDTLNET GFVEDTIGAIAGRSIHAYHTEGAGGGHAPDIITVAAQPNVLPSSTNPTRPHTVNTLDEHLDMLMV CHHLNPRIPEDLAFAESRIRPSTIAAEDVLHDMGAISMIGSDSQAMGRVGEVVLRTWQTAHVMKA RRGALEGDPSGSQAADNNRVRRYIAKYTICPAIAHGMDHLIGSVEVGKLADLVLWEPAFFGVRPH VVLKGGAIAWAAMGDANASIPTPQPVLPRPMFGAAAATAAATSVHFVAPQSIDARLADRLAVNRG LAPVADVRAVGKTDLPLNDALPSIEVDPDTFTVRIDGQVWQPQPAAELPMTQRYFLF[577]
Accessibility	[1]MARLSRERYAQLYGPTTGDRIRLADTNLLVEVTEDRCGGPGLAGDEAVFGGGKVLRESMGQG RASRADGAPDTVITGAVIIDYWGIIKADIGIRDGRIVGIGKAGNPDIMTGVHRDLVVGPSTEIISGNR RIVTAGTVDCHVHLICPQIIVEALAAGTTTIIGGGTGPAEGTKATTVTPGEWHLARMLESLDGWPV NFALLGKGNTVNPDALWEQLRGGASGFKLHEDWGSTPAAIDTCLAVADVAGVQVALHSDTLNET GFVEDTIGAIAGRSIHAYHTEGAGGGHAPDIITVAAQPNVLPSSTNPTRPHTVNTLDEHLDMLMV CHHLNPRIPEDLAFAESRIRPSTIAAEDVLHDMGAISMIGSDSQAMGRVGEVVLRTWQTAHVMKA RRGALEGDPSGSQAADNNRVRRYIAKYTICPAIAHGMDHLIGSVEVGKLADLVLWEPAFFGVRPH VVLKGGAIAWAAMGDANASIPTPQPVLPRPMFGAAAATAAATSVHFVAPQSIDARLADRLAVNRG LAPVADVRAVGKTDLPLNDALPSIEVDPDTFTVRIDGQVWQPQPAAELPMTQRYFLF[577]

Turns	[1]MARLSRERYAQLYGPTTGDRIRLADTNLLVEVTEDRCGGPGLAGDEAVFGGGKVLRESMGQG RASRADGAPDTVITGAVIIDYWGIIKADIGIRDGRIVGIGKAGNPDIMTGVHRDLVVGPSTEIISGNR RIVTAGTVDCHVHLICPQIIVEALAAGTTTIIGGGTGPAEGTKATTVTPGEWHLARMLESLDGWPV NFALLGKGNTVNPDALWEQLRGGASGFKLHEDWGSTPAAIDTCLAVADVAGVQVALHSDTLNET GFVEDTIGAIAGRSIHAYHTEGAGGGHAPDIITVAAQPNVLPSSTNPTRPHTVNTLDEHLDMLMV CHHLNPRIPEDLAFAESRIRPSTIAAEDVLHDMGAISMIGSDSQAMGRVGEVVLRTWQTAHVMKA RRGALEGDPSGSQAADNNRVRRYIAKYTICPAIAHGMDHLIGSVEVGKLADLVLWEPAFFGVRPH VVLKGGAIAWAAMGDANASIPTPQPVLPRPMFGAAAATAAATSVHFVAPQSIDARLADRLAVNRG LAPVADVRAVGKTDLPLNDALPSIEVDPDTFTVRIDGQVWQPQPAAELPMTQRYFLF[577]
Exposed Surface	[1]MARLSRERYAQLYGPTTGDRIRLADTNLLVEVTEDRCGGPGLAGDEAVFGGGKVLRESMGQG RASRADGAPDTVITGAVIIDYWGIIKADIGIRDGRIVGIGKAGNPDIMTGVHRDLVVGPSTEIISGNR RIVTAGTVDCHVHLICPQIIVEALAAGTTTIIGGGTGPAEGTKATTVTPGEWHLARMLESLDGWPV NFALLGKGNTVNPDALWEQLRGGASGFKLHEDWGSTPAAIDTCLAVADVAGVQVALHSDTLNET GFVEDTIGAIAGRSIHAYHTEGAGGGHAPDIITVAAQPNVLPSSTNPTRPHTVNTLDEHLDMLMV CHHLNPRIPEDLAFAESRIRPSTIAAEDVLHDMGAISMIGSDSQAMGRVGEVVLRTWQTAHVMKA RRGALEGDPSGSQAADNNRVRRYIAKYTICPAIAHGMDHLIGSVEVGKLADLVLWEPAFFGVRPH VVLKGGAIAWAAMGDANASIPTPQPVLPRPMFGAAAATAAATSVHFVAPQSIDARLADRLAVNRG LAPVADVRAVGKTDLPLNDALPSIEVDPDTFTVRIDGQVWQPQPAAELPMTQRYFLF[577]
Polarity	[1]MARLSRERYAQLYGPTTGDRIRLADTNLLVEVTEDRCGGPGLAGDEAVFGGGKVLRESMGQG RASRADGAPDTVITGAVIIDYWGIIKADIGIRDGRIVGIGKAGNPDIMTGVHRDLVVGPSTEIISGNR RIVTAGTVDCHVHLICPQIIVEALAAGTTTIIGGGTGPAEGTKATTVTPGEWHLARMLESLDGWPV NFALLGKGNTVNPDALWEQLRGGASGFKLHEDWGSTPAAIDTCLAVADVAGVQVALHSDTLNET GFVEDTIGAIAGRSIHAYHTEGAGGGHAPDIITVAAQPNVLPSSTNPTRPHTVNTLDEHLDMLMV CHHLNPRIPEDLAFAESRIRPSTIAAEDVLHDMGAISMIGSDSQAMGRVGEVVLRTWQTAHVMKA RRGALEGDPSGSQAADNNRVRRYIAKYTICPAIAHGMDHLIGSVEVGKLADLVLWEPAFFGVRPH VVLKGGAIAWAAMGDANASIPTPQPVLPRPMFGAAAATAAATSVHFVAPQSIDARLADRLAVNRG LAPVADVRAVGKTDLPLNDALPSIEVDPDTFTVRIDGQVWQPQPAAELPMTQRYFLF[577]
Antigenic Propensity	[1]MARLSRERYAQLYGPTTGDRIRLADTNLLVEVTEDRCGGPGLAGDEAVFGGGKVLRESMGQG RASRADGAPDTVITGAVIIDYWGIIKADIGIRDGRIVGIGKAGNPDIMTGVHRDLVVGPSTEIISGNR RIVTAGTVDCHVHLICPQIIVEALAAGTTTIIGGGTGPAEGTKATTVTPGEWHLARMLESLDGWPV NFALLGKGNTVNPDALWEQLRGGASGFKLHEDWGSTPAAIDTCLAVADVAGVQVALHSDTLNET GFVEDTIGAIAGRSIHAYHTEGAGGGHAPDIITVAAQPNVLPSSTNPTRPHTVNTLDEHLDMLMV CHHLNPRIPEDLAFAESRIRPSTIAAEDVLHDMGAISMIGSDSQAMGRVGEVVLRTWQTAHVMKA RRGALEGDPSGSQAADNNRVRRYIAKYTICPAIAHGMDHLIGSVEVGKLADLVLWEPAFFGVRPH VVLKGGAIAWAAMGDANASIPTPQPVLPRPMFGAAAATAAATSVHFVAPQSIDARLADRLAVNRG LAPVADVRAVGKTDLPLNDALPSIEVDPDTFTVRIDGQVWQPQPAAELPMTQRYFLF[577]

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