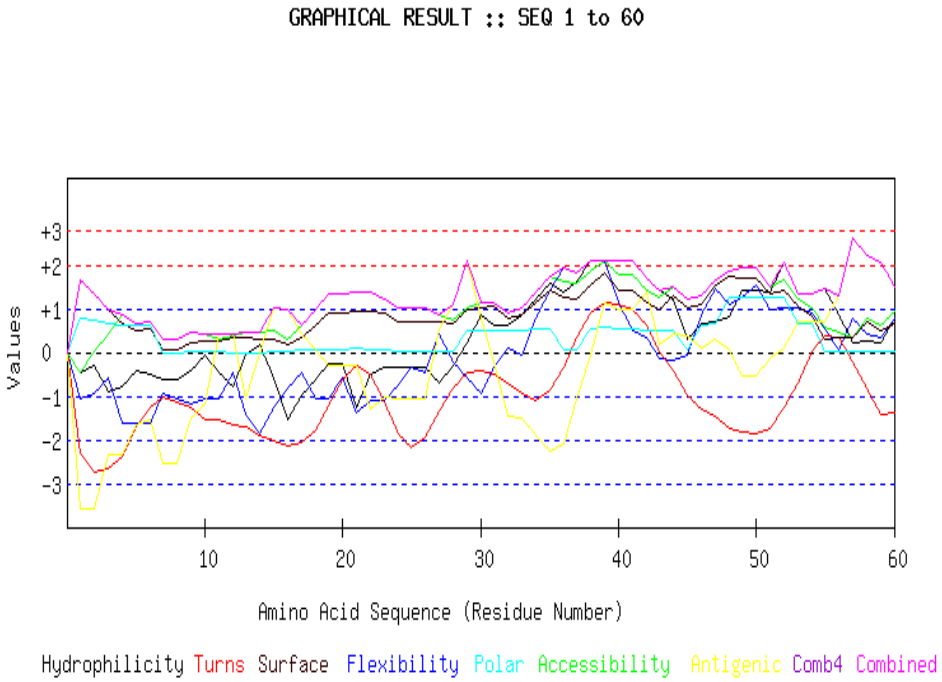
BcePred Prediction Server

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

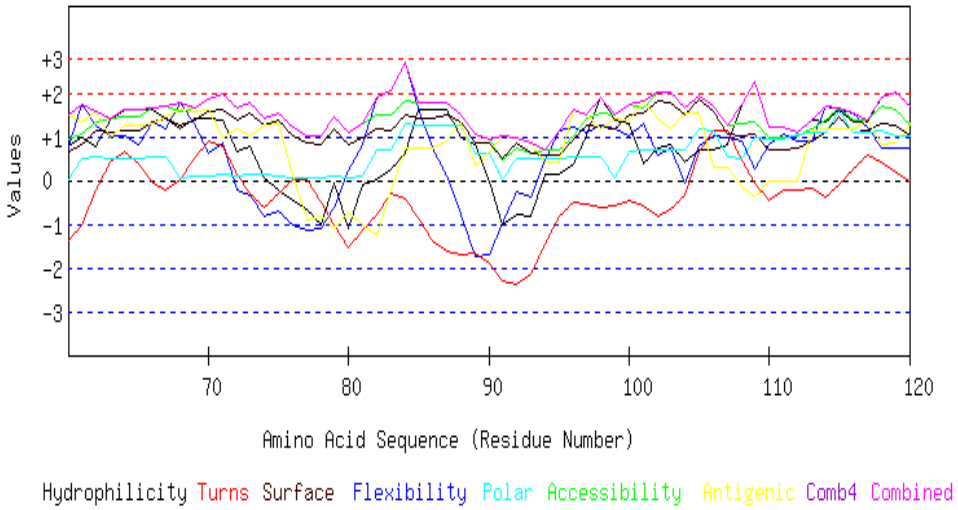
seqname=
Seq=MIRAAFACLAATVVVAGWWTPPAWAIGPPVVDAAAQPPSGDPGPVAPMEQRGACSVSGVIPGTDPGVPTP
SQTMLNLPAAWQFSRGEGQLVAIIDTGVQPGPRLPNVDAGGDFVESTDGLTDCDGHGTLVAGIVAGQPGNDGFS
GVAPAARLLSIRAMSTKFSPRTSGGDPQLAQATLDVAVLAGAIVHAADLGAKVINVSTITCLPADRMVDQAALGAAI
RYAAVDKDAVIVAAAGNTGASGSVSASCDSNPLTDLSRPDDPRNWAGVTSVSIPSWWQPYVLSVASLTSAGQPS
KFSMPGPWVGIAAPGENIASVSNSGDGALANGLPDAHQKLVALSGTSYAAGYVSGVAALVRSRYPGLNATEVVR
RLTATAHRGARESSNIVGAGNLDAVAALTWQLPAEPGGGAAPAKPVADPPVPAPKDTTPRNVAFAGAAALSVLVG
LTAATVAIARRRREPTE

Length=461

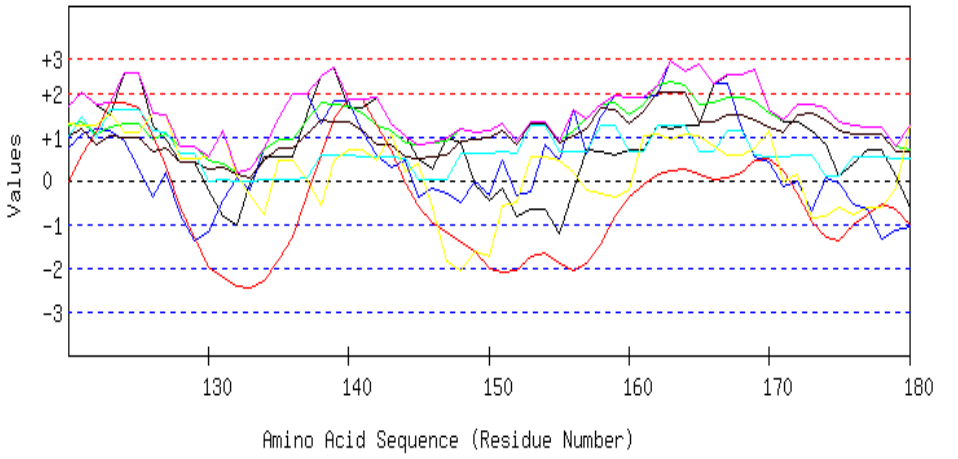
GRAPHICAL RESULT



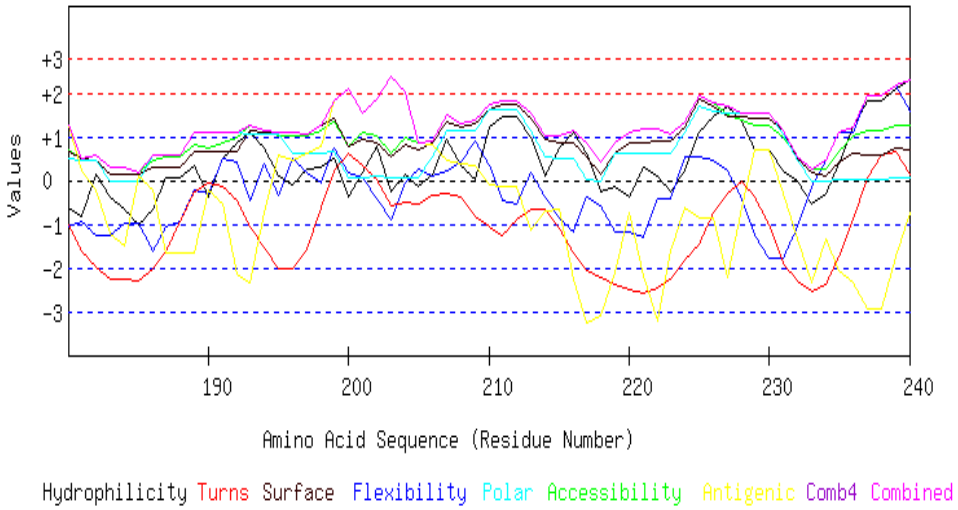
GRAPHICAL RESULT :: SEQ 61 to 120



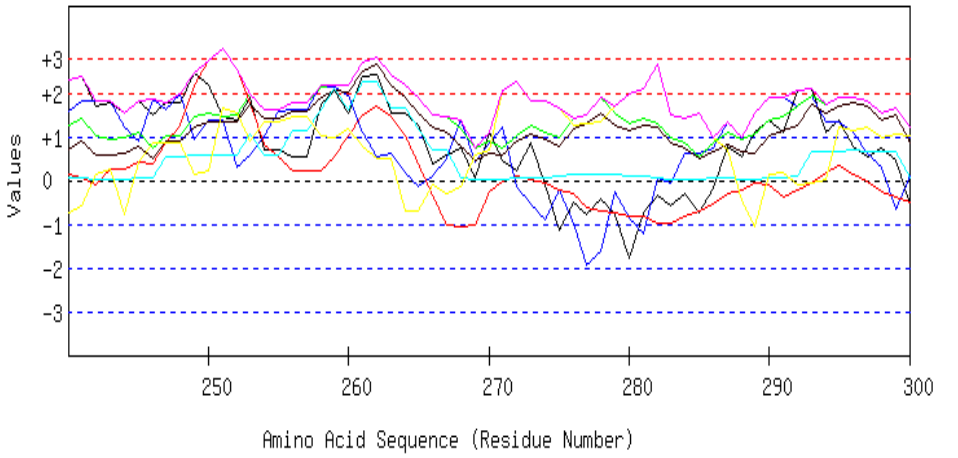
GRAPHICAL RESULT :: SEQ 121 to 180



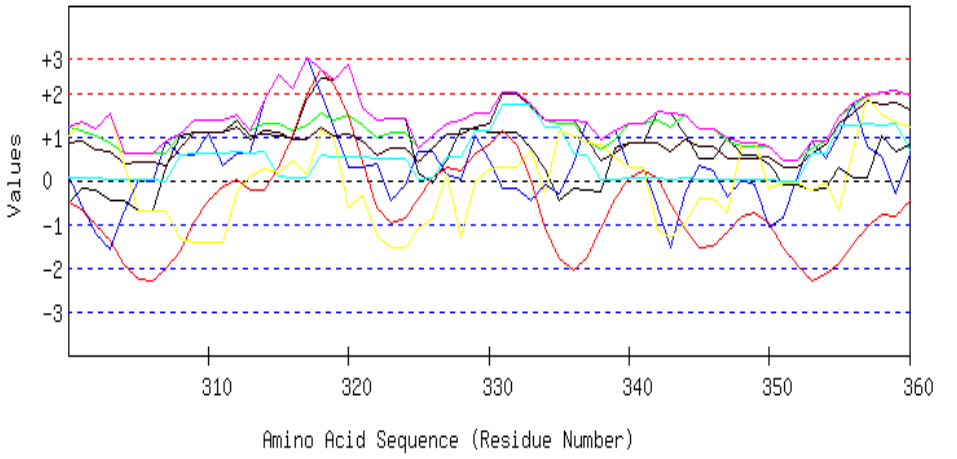
GRAPHICAL RESULT :: SEQ 181 to 240



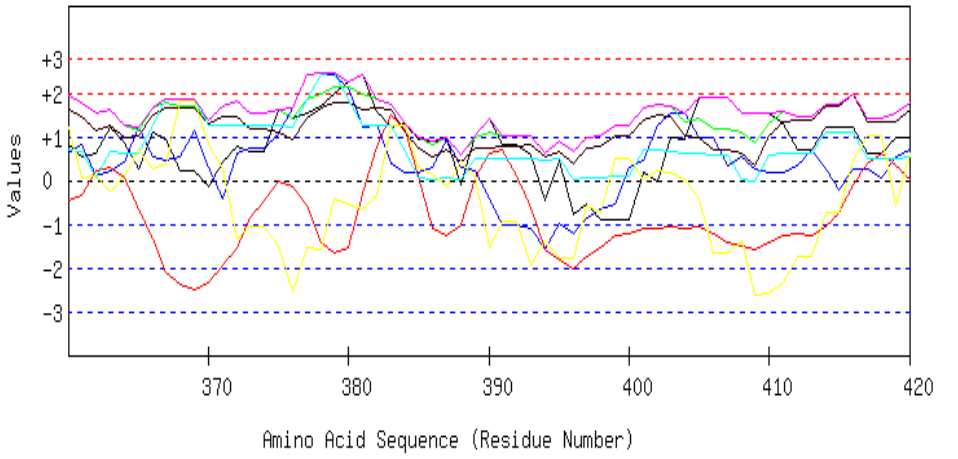
GRAPHICAL RESULT :: SEQ 241 to 300



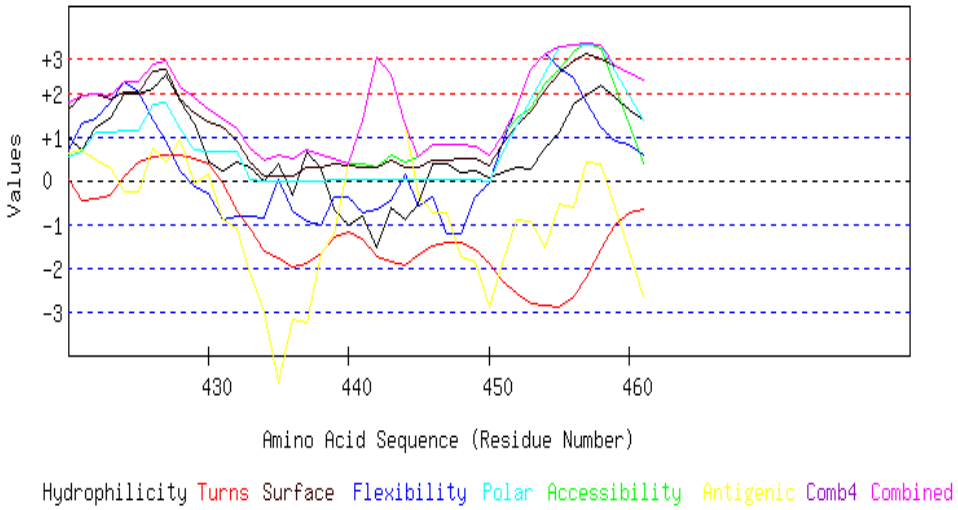
GRAPHICAL RESULT :: SEQ 301 to 360



GRAPHICAL RESULT :: SEQ 361 to 420



GRAPHICAL RESULT :: SEQ 421 to 480



TOP

TABULAR RESULT

Selected Programs: hydro flexi access turns surface polar antipro

Respective Threshold: 1.9 2 1.9 2.4 2.3 1.8 1.9

MIRAAFACLAATVVVAGWWTPPAWAIGPPVVDAAAQPPSGDPGPVAPMEQRGACSVSGVI
PGTDPGVPTPSQTMLNLPAAWQFSRGEGQLVAIIDTGVQPGPRLPNVDAGGDFVESTDGL
TDCDGHGTLVAGIVAGQPGNDGFSGVAPAARLLSIRAMSTKFSPRTSGGDPQLAQATLDV
AVLAGAIVHAADLGAKVINVSTITCLPADRMVDQAALGAAIRYAAVDKDAVIVAAAGNTG
ASGSVSASCDSNPLTDLSRPDDPRNWAGVTSVSIPSWWQPYVLSVASLTSAGQPSKFSMP
GPWVGIAAPGENIASVSNSGDGALANGLPDAHQKLVALSGTSYAAGYVSGVAALVRSRYP
GLNATEVVRRLTATAHRGARESSNIVGAGNLDAVAALTWQLPAEPGGGAAPAKPVADPPV
PAPKDTTPRNVAFAGAAALSVLVGLTAATVAIARRRREPTE

Length=461

A.A.	Parameter	Combined

		Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	MIN	AVG
1	M	-0.452	-1.073	-0.448	-2.296	1.658	0.794	-3.593	1.658	-3.593	-0.773
2	I	-0.319	-0.959	0.010	-2.746	1.339	0.734	-3.593	1.339	-3.593	-0.791
3	R	-0.901	-0.599	0.403	-2.679	0.975	0.678	-2.332	0.975	-2.679	-0.636
4	A	-0.768	-1.616	0.860	-2.361	0.656	0.618	-2.332	0.860	-2.361	-0.706
5	A	-0.414	-1.616	0.655	-1.702	0.519	0.618	-1.654	0.655	-1.702	-0.513
6	F	-0.490	-1.616	0.711	-1.269	0.547	0.622	-1.541	0.711	-1.616	-0.434
7	A	-0.623	-0.951	0.281	-1.007	0.073	-0.003	-2.550	0.281	-2.550	-0.683
8	C	-0.623	-1.047	0.281	-1.122	0.073	-0.003	-2.550	0.281	-2.550	-0.713
9	L	-0.427	-1.180	0.477	-1.272	0.228	0.017	-1.499	0.477	-1.499	-0.522
10	A	-0.079	-1.071	0.421	-1.546	0.264	0.015	-1.162	0.421	-1.546	-0.451
11	A	-0.446	-1.071	0.300	-1.542	0.255	0.016	0.437	0.437	-1.542	-0.293
12	T	-0.768	-0.444	0.393	-1.648	0.337	-0.000	0.403	0.403	-1.648	-0.247
13	V	-0.054	-1.438	0.477	-1.714	0.328	-0.006	-1.042	0.477	-1.714	-0.493
14	V	0.174	-1.845	0.468	-1.901	0.282	-0.006	-0.031	0.468	-1.901	-0.408
15	V	-0.591	-1.258	0.487	-2.038	0.300	0.020	1.001	1.001	-2.038	-0.297
16	A	-1.552	-0.803	0.309	-2.155	0.164	0.025	0.983	0.983	-2.155	-0.433
17	G	-0.989	-0.444	0.627	-2.049	0.328	0.043	0.435	0.627	-2.049	-0.293
18	W	-0.623	-1.071	0.991	-1.768	0.610	0.061	0.066	0.991	-1.768	-0.248
19	W	-0.256	-1.071	1.356	-1.208	0.893	0.078	-0.303	1.356	-1.208	-0.073
20	T	-0.256	-0.568	1.356	-0.620	0.893	0.078	-0.303	1.356	-0.620	0.083
21	P	-1.249	-1.384	1.384	-0.299	0.957	0.103	-0.281	1.384	-1.384	-0.110
22	P	-0.484	-1.115	1.365	-0.491	0.938	0.078	-1.313	1.365	-1.313	-0.146
23	A	-0.357	-1.115	1.206	-1.146	0.902	0.055	-1.014	1.206	-1.146	-0.210
24	W	-0.325	-0.757	1.001	-1.869	0.701	0.035	-1.054	1.001	-1.869	-0.324
25	A	-0.325	-0.350	1.001	-2.178	0.701	0.035	-1.054	1.001	-2.178	-0.310
26	I	-0.325	-0.446	1.001	-1.935	0.701	0.035	-1.054	1.001	-1.935	-0.289
27	G	-0.692	0.417	0.879	-1.340	0.692	0.036	0.545	0.879	-1.340	0.077
28	P	-0.294	-0.210	0.739	-0.808	0.665	0.013	1.111	1.111	-0.808	0.174
29	P	0.206	-0.568	1.010	-0.456	0.984	0.502	2.112	2.112	-0.568	0.541
30	V	0.844	-0.927	1.150	-0.439	1.002	0.500	0.780	1.150	-0.927	0.416
31	V	0.617	-0.340	1.160	-0.484	1.048	0.500	-0.230	1.160	-0.484	0.324
32	D	0.617	0.115	0.917	-0.686	0.774	0.481	-1.460	0.917	-1.460	0.108
33	A	0.863	-0.066	1.001	-0.924	0.875	0.504	-1.517	1.001	-1.517	0.105
34	A	1.230	0.790	1.365	-1.088	1.157	0.522	-1.886	1.365	-1.886	0.299
35	A	1.597	1.417	1.730	-0.875	1.440	0.539	-2.254	1.730	-2.254	0.513
36	Q	1.375	1.956	1.608	-0.346	1.276	0.070	-2.086	1.956	-2.086	0.551
37	P	1.603	1.824	1.599	0.329	1.230	0.070	-1.075	1.824	-1.075	0.797
38	P	2.102	2.092	1.870	0.914	1.549	0.559	-0.074	2.102	-0.074	1.287
39	S	2.102	2.092	2.113	1.137	1.823	0.578	1.156	2.113	0.578	1.572
40	G	2.083	1.141	1.776	1.115	1.403	0.536	0.993	2.083	0.536	1.293
41	D	2.083	0.513	1.776	0.963	1.403	0.536	0.993	2.083	0.513	1.181
42	P	1.717	0.333	1.412	0.601	1.121	0.518	1.362	1.717	0.333	1.009
43	G	1.438	-0.140	1.262	0.005	0.966	0.498	0.192	1.438	-0.140	0.603
44	P	1.211	-0.192	1.515	-0.415	1.285	0.517	0.412	1.515	-0.415	0.619
45	V	0.313	-0.060	1.234	-0.962	1.011	0.046	0.365	1.234	-0.962	0.278
46	A	0.673	0.850	1.318	-1.292	1.103	0.626	0.119	1.318	-1.292	0.485
47	P	0.692	1.477	1.655	-1.464	1.522	0.669	0.282	1.655	-1.464	0.690
48	M	0.825	1.119	1.842	-1.727	1.722	1.274	0.061	1.842	-1.727	0.731
49	E	1.420	1.269	1.954	-1.808	1.686	1.273	-0.527	1.954	-1.808	0.752
50	Q	1.420	1.549	1.954	-1.843	1.686	1.273	-0.527	1.954	-1.843	0.787
51	R	1.375	0.962	1.496	-1.739	1.321	1.271	-0.125	1.496	-1.739	0.652
52	G	2.052	1.004	1.655	-1.265	1.431	1.274	0.090	2.052	-1.265	0.892
53	A	1.325	1.004	1.206	-0.696	1.057	0.676	0.705	1.325	-0.696	0.754
54	C	1.356	0.908	1.029	0.000	0.838	0.654	0.702	1.356	0.000	0.784
55	S	1.451	0.548	0.589	0.388	0.319	0.029	0.703	1.451	0.029	0.575
56	V	0.857	0.051	0.477	0.330	0.355	0.031	1.291	1.291	0.031	0.485

57 S	0.218	0.774	0.337	-0.221	0.337	0.033	2.623	2.623	-0.221	0.586
58 G	0.263	0.409	0.795	-0.812	0.701	0.034	2.221	2.221	-0.812	0.516
59 V	0.212	0.321	0.636	-1.418	0.501	0.014	2.061	2.061	-1.418	0.332
60 I	0.775	0.776	0.954	-1.379	0.665	0.032	1.513	1.513	-1.379	0.477
61 P	0.996	1.728	1.075	-1.001	0.829	0.501	1.345	1.728	-1.001	0.782
62 G	0.768	1.273	1.328	-0.216	1.148	0.520	1.564	1.564	-0.216	0.912
63 T	1.363	1.004	1.440	0.403	1.112	0.518	0.976	1.440	0.403	0.974
64 D	1.634	1.004	1.459	0.652	1.121	0.518	1.243	1.634	0.518	1.090
65 P	1.634	0.824	1.459	0.372	1.121	0.518	1.243	1.634	0.372	1.024
66 G	1.603	1.321	1.664	-0.052	1.321	0.538	1.283	1.664	-0.052	1.097
67 V	1.407	1.185	1.711	-0.232	1.440	0.537	1.462	1.711	-0.232	1.073
68 P	1.186	1.772	1.589	0.001	1.276	0.068	1.631	1.772	0.001	1.075
69 T	1.432	1.299	1.674	0.481	1.376	0.092	1.575	1.674	0.092	1.133
70 P	1.401	0.604	1.879	0.889	1.576	0.112	1.615	1.879	0.112	1.154
71 S	1.369	0.854	1.991	0.774	1.631	0.127	0.971	1.991	0.127	1.103
72 Q	0.655	-0.206	1.664	0.144	1.367	0.114	1.186	1.664	-0.206	0.703
73 T	0.768	-0.338	1.767	-0.311	1.522	0.134	1.032	1.767	-0.338	0.654
74 M	0.054	-0.829	1.440	-0.621	1.257	0.121	1.247	1.440	-0.829	0.381
75 L	-0.224	-0.715	1.533	-0.298	1.376	0.120	1.308	1.533	-0.715	0.443
76 N	-0.471	-1.013	1.206	0.036	1.002	0.077	0.134	1.206	-1.013	0.139
77 L	-0.667	-1.131	1.010	0.034	0.847	0.057	-0.917	1.010	-1.131	-0.110
78 P	-1.034	-1.101	1.038	-0.503	0.820	0.065	-0.839	1.038	-1.101	-0.222
79 A	-0.073	-0.605	1.449	-1.020	1.185	0.102	-1.111	1.449	-1.111	-0.010
80 A	-1.097	0.209	1.085	-1.523	0.829	0.066	-0.747	1.085	-1.523	-0.168
81 W	-0.104	0.836	1.318	-1.132	0.975	0.081	-1.022	1.318	-1.132	0.136
82 Q	0.029	1.914	1.505	-0.761	1.175	0.686	-1.243	1.914	-1.243	0.472
83 F	0.256	2.050	1.496	-0.318	1.130	0.686	-0.232	2.050	-0.318	0.724
84 S	0.617	2.715	1.823	-0.434	1.494	1.286	0.751	2.715	-0.434	1.179
85 R	1.609	1.656	1.795	-0.866	1.431	1.261	0.730	1.795	-0.866	1.088
86 G	1.609	0.746	1.795	-1.378	1.431	1.261	0.730	1.795	-1.378	0.885
87 E	1.609	0.119	1.776	-1.617	1.485	1.262	0.913	1.776	-1.617	0.793
88 G	0.964	-0.781	1.505	-1.707	1.321	1.243	1.342	1.505	-1.707	0.556
89 Q	0.832	-1.733	1.075	-1.674	0.847	0.619	0.333	1.075	-1.733	0.043
90 L	-0.035	-1.684	0.945	-1.917	0.875	0.621	0.654	0.945	-1.917	-0.077
91 V	-1.034	-0.989	0.477	-2.305	0.492	0.023	1.002	1.002	-2.305	-0.333
92 A	-0.762	-0.266	0.758	-2.377	0.856	0.512	0.993	0.993	-2.377	-0.041
93 I	-0.812	-0.362	0.627	-2.155	0.638	0.489	0.871	0.871	-2.155	-0.101
94 I	0.130	0.453	0.702	-1.448	0.583	0.484	0.436	0.702	-1.448	0.191
95 D	0.130	1.137	0.702	-0.817	0.583	0.484	0.436	1.137	-0.817	0.379
96 T	0.376	1.225	1.029	-0.508	0.957	0.526	1.609	1.609	-0.508	0.745
97 G	1.015	1.093	1.412	-0.548	1.248	0.543	1.508	1.508	-0.548	0.896
98 V	1.881	1.279	1.543	-0.630	1.221	0.542	1.186	1.881	-0.630	1.003
99 Q	1.382	1.171	1.515	-0.571	1.175	0.072	1.415	1.515	-0.571	0.880
100P	1.318	1.038	1.748	-0.475	1.494	0.676	1.373	1.748	-0.475	1.025
101G	0.376	1.289	1.674	-0.563	1.549	0.682	1.808	1.808	-0.563	0.974
102P	0.743	0.566	2.038	-0.814	1.832	0.699	1.439	2.038	-0.814	0.929
103R	0.806	0.746	2.010	-0.680	1.768	0.697	1.163	2.010	-0.680	0.930
104L	0.440	-0.068	1.646	-0.323	1.485	0.680	1.532	1.646	-0.323	0.770
105P	0.711	0.764	1.926	0.677	1.850	1.169	1.523	1.926	0.677	1.231
106N	0.711	1.032	1.683	1.126	1.576	1.150	0.293	1.683	0.293	1.082
107V	0.806	0.962	1.244	1.147	1.057	0.525	0.294	1.244	0.294	0.862
108D	1.748	0.884	1.318	0.458	1.002	0.520	-0.141	1.748	-0.141	0.827
109A	2.248	0.249	1.346	-0.072	1.048	0.990	-0.370	2.248	-0.370	0.777
110G	1.224	0.824	0.982	-0.471	0.692	0.953	-0.006	1.224	-0.471	0.600
111G	1.224	1.052	0.982	-0.203	0.692	0.953	-0.006	1.224	-0.203	0.671
112D	1.084	0.916	1.038	-0.218	0.738	1.064	-0.023	1.084	-0.218	0.657
113F	1.363	0.916	1.188	-0.172	0.893	1.084	1.147	1.363	-0.172	0.917
114V	1.331	1.718	1.393	-0.375	1.093	1.104	1.187	1.718	-0.375	1.065
115E	1.603	1.609	1.674	-0.084	1.458	1.593	1.178	1.674	-0.084	1.290

116S	1.331	1.525	1.393	0.249	1.093	1.104	1.187	1.525	0.249	1.126
117T	1.331	1.209	1.375	0.573	1.148	1.105	1.371	1.375	0.573	1.159
118D	1.894	0.754	1.692	0.424	1.312	1.124	0.823	1.894	0.424	1.146
119G	2.033	0.754	1.636	0.166	1.267	1.013	0.840	2.033	0.166	1.101
120L	1.710	0.754	1.272	-0.000	1.020	1.011	1.303	1.710	-0.000	1.010
121T	2.014	1.048	1.346	0.581	1.185	1.480	1.253	2.014	0.581	1.272
122D	1.742	1.185	1.066	1.103	0.820	0.991	1.262	1.742	0.820	1.167
123C	1.514	1.137	1.234	1.770	1.039	1.611	1.530	1.770	1.039	1.405
124D	2.456	0.896	1.309	1.792	0.984	1.605	1.095	2.456	0.896	1.448
125G	2.456	0.261	1.309	1.644	0.984	1.605	1.095	2.456	0.261	1.336
126H	1.242	-0.366	0.954	1.026	0.674	1.122	1.539	1.539	-0.366	0.884
127G	0.920	0.171	1.047	0.356	0.756	1.106	1.505	1.505	0.171	0.837
128T	0.421	-0.781	0.776	-0.637	0.437	0.617	0.504	0.776	-0.781	0.191
129L	0.421	-1.368	0.776	-1.288	0.437	0.617	0.504	0.776	-1.368	0.014
130V	-0.218	-1.164	0.477	-1.994	0.246	-0.001	0.558	0.558	-1.994	-0.299
131A	-0.812	-0.440	0.365	-2.203	0.282	0.000	1.147	1.147	-2.203	-0.237
132G	-1.008	0.051	0.169	-2.430	0.127	-0.020	0.096	0.169	-2.430	-0.431
133I	-0.066	-0.218	0.244	-2.447	0.073	-0.025	-0.339	0.244	-2.447	-0.397
134V	0.547	0.734	0.692	-2.291	0.455	0.016	-0.764	0.734	-2.291	-0.087
135A	0.547	1.439	0.935	-1.817	0.729	0.035	0.466	1.439	-1.817	0.333
136G	0.547	1.978	0.935	-1.289	0.729	0.035	0.466	1.978	-1.289	0.486
137Q	1.495	1.978	1.375	-0.351	1.057	0.073	0.031	1.978	-0.351	0.808
138P	2.362	1.313	1.767	0.562	1.385	0.561	-0.566	2.362	-0.566	1.055
139G	2.589	1.810	1.758	1.405	1.339	0.561	0.444	2.589	0.444	1.415
140N	1.647	1.810	1.702	1.862	1.339	0.565	0.695	1.862	0.565	1.374
141D	1.679	1.105	1.524	1.846	1.121	0.543	0.691	1.846	0.543	1.215
142G	1.906	0.566	1.272	1.256	0.802	0.524	0.472	1.906	0.472	0.971
143F	1.312	0.297	1.160	0.686	0.838	0.525	1.060	1.312	0.297	0.840
144S	1.002	0.471	0.860	-0.068	0.528	0.485	0.163	1.002	-0.068	0.492
145G	0.503	-0.384	0.832	-0.572	0.483	0.015	0.392	0.832	-0.572	0.181
146V	0.275	-0.198	0.842	-0.980	0.528	0.015	-0.618	0.842	-0.980	-0.019
147A	0.990	-0.306	0.907	-1.181	0.574	0.010	-1.880	0.990	-1.880	-0.127
148P	0.844	-0.510	1.188	-1.414	0.893	0.615	-2.040	1.188	-2.040	-0.061
149A	-0.098	-0.013	1.113	-1.626	0.948	0.620	-1.606	1.113	-1.626	-0.095
150A	-0.446	-0.338	1.150	-2.035	0.966	0.624	-1.760	1.150	-2.035	-0.263
151R	-0.167	0.475	1.300	-2.083	1.121	0.644	-0.590	1.300	-2.083	0.100
152L	-0.806	-0.338	0.917	-2.065	0.829	0.627	-0.488	0.917	-2.065	-0.189
153L	-0.673	-0.248	1.346	-1.723	1.303	1.252	0.521	1.346	-1.723	0.254
154S	-0.673	0.812	1.346	-1.651	1.303	1.252	0.521	1.346	-1.651	0.416
155I	-1.204	0.447	0.907	-1.902	0.875	0.644	0.467	0.907	-1.902	0.033
156R	-0.212	1.603	1.141	-2.077	1.020	0.659	0.192	1.603	-2.077	0.332
157A	0.699	0.616	1.421	-1.882	1.166	0.674	-0.202	1.421	-1.882	0.356
158M	0.648	1.471	1.720	-1.468	1.649	1.248	-0.297	1.720	-1.468	0.710
159S	0.572	1.944	1.795	-0.821	1.622	1.251	-0.368	1.944	-0.821	0.857
160T	0.718	1.902	1.515	-0.362	1.303	0.646	-0.207	1.902	-0.362	0.788
161K	0.718	1.902	1.758	-0.093	1.576	0.665	1.023	1.902	-0.093	1.078
162F	1.249	1.926	2.197	0.148	2.005	1.272	1.077	2.197	0.148	1.411
163S	1.167	2.727	2.244	0.228	2.005	1.272	0.958	2.727	0.228	1.514
164P	1.249	2.499	2.197	0.242	2.005	1.272	1.077	2.499	0.242	1.506
165R	1.249	2.679	1.739	0.133	1.321	0.678	1.013	2.679	0.133	1.259
166T	2.191	2.225	1.795	0.005	1.321	0.674	0.762	2.225	0.005	1.282
167S	2.412	2.225	1.917	0.065	1.485	1.142	0.593	2.412	0.065	1.406
168G	2.412	1.165	1.917	0.179	1.485	1.142	0.593	2.412	0.179	1.270
169G	2.526	0.538	1.814	0.452	1.385	0.560	0.757	2.526	0.452	1.147
170D	1.616	0.401	1.533	0.510	1.239	0.546	1.151	1.616	0.401	0.999
171P	1.337	-0.138	1.384	0.232	1.084	0.526	-0.018	1.384	-0.138	0.629
172Q	1.356	-0.005	1.720	-0.291	1.504	0.568	0.145	1.720	-0.291	0.714
173L	1.129	-0.701	1.730	-0.920	1.549	0.568	-0.866	1.730	-0.920	0.356
174A	0.825	0.043	1.655	-1.290	1.385	0.099	-0.816	1.655	-1.290	0.272

175Q	0.111	-0.054	1.328	-1.361	1.121	0.085	-0.601	1.328	-1.361	0.090
176A	0.364	-0.544	1.272	-1.026	1.066	0.532	-0.773	1.272	-1.026	0.127
177T	0.711	-0.641	1.234	-0.782	1.048	0.528	-0.620	1.234	-0.782	0.211
178L	0.711	-1.336	1.234	-0.531	1.048	0.528	-0.620	1.234	-1.336	0.148
179D	0.098	-1.131	0.786	-0.668	0.665	0.487	-0.194	0.786	-1.131	0.006
180V	-0.616	-1.043	0.702	-1.000	0.674	0.493	1.251	1.251	-1.043	0.066
181A	-0.812	-0.947	0.505	-1.623	0.519	0.473	0.200	0.519	-1.623	-0.241
182V	0.130	-1.272	0.580	-1.968	0.465	0.467	-0.235	0.580	-1.968	-0.262
183L	-0.370	-1.272	0.309	-2.244	0.146	-0.022	-1.236	0.309	-2.244	-0.670
184A	-0.642	-0.977	0.290	-2.259	0.136	-0.021	-1.503	0.290	-2.259	-0.711
185G	-1.008	-0.977	0.169	-2.307	0.127	-0.020	0.096	0.169	-2.307	-0.560
186A	-0.642	-1.604	0.449	-2.023	0.310	0.598	-0.225	0.598	-2.023	-0.448
187I	0.073	-1.065	0.533	-1.607	0.300	0.593	-1.670	0.593	-1.670	-0.406
188V	0.073	-0.945	0.533	-0.925	0.300	0.593	-1.670	0.593	-1.670	-0.292
189H	0.345	-0.222	0.814	-0.256	0.665	1.082	-1.680	1.082	-1.680	0.107
190A	-0.370	-0.312	0.730	-0.052	0.674	1.087	-0.235	1.087	-0.370	0.217
191A	0.496	0.519	0.860	-0.138	0.647	1.086	-0.556	1.086	-0.556	0.416
192D	0.863	0.423	0.982	-0.457	0.656	1.084	-2.155	1.084	-2.155	0.200
193L	1.091	-0.440	1.272	-1.054	1.121	1.059	-2.357	1.272	-2.357	0.099
194G	0.724	0.373	1.150	-1.548	1.112	1.060	-0.758	1.150	-1.548	0.302
195A	0.085	-0.350	1.010	-2.036	1.093	1.062	0.573	1.093	-2.036	0.205
196K	-0.104	0.505	1.038	-2.021	1.084	0.614	0.469	1.084	-2.021	0.227
197V	0.244	0.165	1.001	-1.598	1.066	0.610	0.623	1.066	-1.598	0.301
198I	0.294	-0.064	1.160	-0.615	1.267	0.630	0.783	1.267	-0.615	0.494
199N	0.490	0.752	1.356	0.212	1.422	0.650	1.834	1.834	0.212	0.959
200V	-0.376	0.179	0.767	0.602	0.765	0.057	2.090	2.090	-0.376	0.583
201S	0.187	0.071	1.085	0.358	0.929	0.076	1.542	1.542	0.071	0.607
202T	0.781	-0.426	1.010	0.026	0.856	0.092	1.843	1.843	-0.426	0.597
203I	-0.243	-0.917	0.627	-0.571	0.556	0.056	2.391	2.391	-0.917	0.271
204T	0.123	-0.054	0.991	-0.493	0.838	0.074	2.022	2.022	-0.493	0.500
205C	-0.155	0.269	0.842	-0.558	0.683	0.054	0.852	0.852	-0.558	0.284
206L	0.149	0.119	0.917	-0.342	0.847	0.523	0.802	0.917	-0.342	0.431
207P	0.920	0.227	1.487	-0.290	1.339	1.146	0.480	1.487	-0.290	0.758
208A	0.326	0.407	1.281	-0.381	1.230	1.143	0.384	1.281	-0.381	0.627
209D	0.003	0.898	1.375	-0.830	1.312	1.127	0.350	1.375	-0.830	0.605
210R	1.217	0.359	1.730	-1.062	1.622	1.610	-0.094	1.730	-1.062	0.769
211M	1.464	-0.454	1.814	-1.280	1.722	1.634	-0.150	1.814	-1.280	0.678
212V	1.464	-0.544	1.814	-0.905	1.722	1.634	-0.150	1.814	-0.905	0.719
213D	0.964	0.179	1.543	-0.657	1.403	1.145	-1.151	1.543	-1.151	0.489
214Q	0.117	-0.360	1.029	-0.647	0.938	0.525	-0.716	1.029	-0.716	0.127
215A	0.743	-0.851	1.029	-1.112	0.847	0.508	-0.660	1.029	-1.112	0.072
216A	1.110	-1.176	1.150	-1.658	0.856	0.507	-2.259	1.150	-2.259	-0.210
217L	0.610	-0.362	0.879	-2.063	0.537	0.018	-3.260	0.879	-3.260	-0.520
218G	-0.275	-0.564	0.412	-2.233	0.146	-0.023	-3.102	0.412	-3.102	-0.806
219A	-0.142	-1.192	0.842	-2.362	0.619	0.602	-2.092	0.842	-2.362	-0.532
220A	-0.395	-1.192	1.094	-2.514	0.856	0.621	-0.750	1.094	-2.514	-0.326
221I	0.319	-1.288	1.178	-2.573	0.847	0.616	-2.195	1.178	-2.573	-0.442
222R	0.092	-0.424	1.188	-2.474	0.893	0.616	-3.206	1.188	-3.206	-0.474
223Y	-0.275	-0.406	1.066	-2.269	0.884	0.617	-1.607	1.066	-2.269	-0.284
224A	0.225	0.540	1.337	-1.830	1.203	1.106	-0.606	1.337	-1.830	0.282
225A	1.091	0.540	1.926	-1.462	1.859	1.699	-0.862	1.926	-1.462	0.684
226V	1.457	0.443	1.767	-0.745	1.704	1.563	-0.870	1.767	-0.870	0.760
227D	1.710	0.215	1.515	-0.311	1.467	1.544	-2.213	1.710	-2.213	0.561
228K	1.344	-0.420	1.393	-0.024	1.458	1.545	-0.614	1.545	-0.614	0.669
229D	0.705	-1.252	1.253	-0.399	1.440	1.547	0.718	1.547	-1.252	0.573
230A	0.705	-1.791	1.253	-1.009	1.440	1.547	0.718	1.547	-1.791	0.409
231V	0.206	-1.791	0.982	-1.912	1.121	1.058	-0.283	1.121	-1.912	-0.088
232I	-0.022	-1.067	0.533	-2.302	0.483	0.464	-1.358	0.533	-2.302	-0.467
233V	-0.521	-0.134	0.262	-2.548	0.164	-0.025	-2.360	0.262	-2.548	-0.737

234A	-0.294	0.453	0.253	-2.366	0.118	-0.025	-1.349	0.453	-2.366	-0.458
235A	0.383	1.080	0.674	-1.739	0.437	0.014	-2.051	1.080	-2.051	-0.172
236A	1.217	1.080	1.010	-0.896	0.610	0.032	-2.332	1.217	-2.332	0.103
237G	1.812	1.936	1.122	0.071	0.574	0.030	-2.920	1.936	-2.920	0.375
238N	1.812	1.936	1.122	0.584	0.574	0.030	-2.920	1.936	-2.920	0.448
239T	2.090	2.182	1.272	0.647	0.729	0.050	-1.750	2.182	-1.750	0.746
240G	2.317	1.595	1.262	0.144	0.683	0.050	-0.740	2.317	-0.740	0.759
241A	2.368	1.824	1.421	0.044	0.884	0.071	-0.580	2.368	-0.580	0.861
242S	1.691	1.824	1.001	-0.113	0.565	0.031	0.121	1.824	-0.113	0.732
243G	1.774	1.824	0.954	0.262	0.565	0.032	0.240	1.824	0.032	0.807
244S	1.546	1.233	0.963	0.260	0.610	0.032	-0.770	1.546	-0.770	0.553
245V	1.824	0.916	1.113	0.420	0.765	0.052	0.400	1.824	0.052	0.784
246S	1.502	1.868	0.748	0.375	0.519	0.049	0.862	1.868	0.049	0.846
247A	1.774	1.621	1.029	0.843	0.884	0.538	0.853	1.774	0.538	1.077
248S	1.774	1.980	1.029	1.270	0.884	0.538	0.853	1.980	0.538	1.190
249C	2.450	0.920	1.449	2.194	1.203	0.577	0.151	2.450	0.151	1.278
250D	2.172	1.375	1.543	2.733	1.321	0.576	0.212	2.733	0.212	1.419
251S	1.457	1.375	1.459	3.011	1.330	0.582	1.657	3.011	0.582	1.553
252N	1.375	0.315	1.505	2.527	1.330	0.582	1.538	2.527	0.315	1.310
253P	1.919	0.562	1.991	1.782	1.741	1.053	0.906	1.991	0.562	1.422
254L	0.705	1.016	1.636	0.833	1.431	0.569	1.350	1.636	0.569	1.077
255T	0.705	1.579	1.636	0.532	1.431	0.569	1.350	1.636	0.532	1.115
256D	0.528	1.627	1.767	0.224	1.595	1.153	1.462	1.767	0.224	1.194
257L	0.528	1.627	1.767	0.218	1.595	1.153	1.462	1.767	0.218	1.193
258S	1.742	2.190	2.122	0.222	1.905	1.637	1.019	2.190	0.222	1.548
259R	2.045	2.148	2.197	0.535	2.069	2.106	0.969	2.197	0.535	1.724
260P	1.546	1.944	2.169	1.001	2.023	1.636	1.198	2.169	1.001	1.645
261D	2.393	1.082	2.683	1.510	2.488	2.255	0.762	2.683	0.762	1.882
262D	2.425	0.544	2.832	1.716	2.643	2.276	0.489	2.832	0.489	1.846
263P	1.527	0.632	2.421	1.459	2.187	1.676	0.512	2.421	0.512	1.488
264R	1.527	0.177	2.178	1.025	1.914	1.657	-0.718	2.178	-0.718	1.109
265N	1.255	-0.146	1.898	0.377	1.549	1.168	-0.709	1.898	-0.709	0.770
266W	0.389	0.101	1.505	-0.334	1.221	0.681	-0.111	1.505	-0.334	0.493
267A	0.585	0.507	1.459	-1.024	1.103	0.682	-0.290	1.459	-1.024	0.432
268G	0.730	1.363	1.178	-1.075	0.784	0.077	-0.129	1.363	-1.075	0.418
269V	0.054	0.411	0.758	-1.015	0.465	0.038	0.572	0.758	-1.015	0.183
270T	1.097	0.866	0.889	-0.276	0.601	0.033	0.710	1.097	-0.276	0.560
271S	0.459	1.231	0.748	-0.006	0.583	0.035	2.042	2.042	-0.006	0.727
272V	0.231	-0.128	1.001	0.089	0.902	0.054	2.261	2.261	-0.128	0.630
273S	0.876	-0.534	1.272	0.005	1.066	0.072	1.832	1.832	-0.534	0.656
274I	-0.085	-0.899	1.094	-0.071	0.929	0.078	1.814	1.814	-0.899	0.409
275P	-1.128	-0.216	0.963	-0.217	0.793	0.083	1.676	1.676	-1.128	0.279
276S	-0.515	-0.981	1.412	-0.281	1.175	0.124	1.251	1.412	-0.981	0.312
277W	-0.793	-1.933	1.505	-0.615	1.294	0.123	1.311	1.505	-1.933	0.127
278W	-0.408	-1.634	1.898	-0.705	1.549	0.140	1.321	1.898	-1.634	0.309
279Q	-0.774	-0.276	1.533	-0.730	1.267	0.123	1.690	1.690	-0.774	0.405
280P	-1.767	-0.863	1.300	-0.826	1.121	0.108	1.965	1.965	-1.767	0.148
281Y	-0.724	-1.222	1.431	-0.801	1.257	0.103	2.103	2.103	-1.222	0.307
282V	-0.325	0.041	1.290	-0.969	1.230	0.079	2.669	2.669	-0.969	0.574
283L	-0.572	-0.068	0.963	-0.990	0.856	0.037	1.496	1.496	-0.990	0.246
284S	-0.294	0.628	0.870	-0.804	0.738	0.038	1.436	1.436	-0.804	0.373
285V	-0.755	0.628	0.533	-0.691	0.510	0.024	1.539	1.539	-0.755	0.255
286A	-0.193	0.724	0.851	-0.552	0.674	0.042	0.991	0.991	-0.552	0.363
287S	0.800	1.351	1.085	-0.296	0.820	0.057	0.716	1.351	-0.296	0.647
288L	0.522	0.986	0.935	-0.201	0.665	0.037	-0.454	0.986	-0.454	0.356
289T	1.116	1.549	1.047	-0.071	0.629	0.035	-1.043	1.549	-1.043	0.466
290S	1.363	1.914	1.375	-0.118	1.002	0.078	0.131	1.914	-0.118	0.820
291A	1.084	1.890	1.468	-0.360	1.121	0.077	0.191	1.890	-0.360	0.781
292G	2.077	1.716	1.702	-0.239	1.267	0.091	-0.084	2.077	-0.239	0.933

293Q	2.109	1.944	1.954	-0.070	1.750	0.666	-0.060	2.109	-0.070	1.185
294P	1.116	1.339	1.739	0.162	1.549	0.650	0.031	1.739	0.031	0.941
295S	1.394	1.339	1.889	0.356	1.704	0.670	1.201	1.889	0.356	1.222
296K	0.768	1.111	1.889	0.154	1.795	0.687	1.146	1.889	0.154	1.079
297F	0.522	0.638	1.804	-0.003	1.695	0.664	1.202	1.804	-0.003	0.932
298S	0.749	0.309	1.552	-0.252	1.376	0.645	0.983	1.552	-0.252	0.766
299M	0.471	-0.643	1.646	-0.382	1.494	0.644	1.043	1.646	-0.643	0.611
300P	-0.521	0.099	1.216	-0.519	0.875	0.074	1.000	1.216	-0.521	0.318
301G	-0.174	-0.585	1.160	-0.656	0.911	0.072	1.338	1.338	-0.656	0.295
302P	-0.224	-1.212	1.001	-1.025	0.711	0.052	1.178	1.178	-1.212	0.069
303W	-0.465	-1.570	0.870	-1.383	0.647	0.036	1.555	1.555	-1.570	-0.044
304V	-0.465	-0.709	0.627	-1.933	0.373	0.017	0.325	0.627	-1.933	-0.252
305G	-0.692	0.015	0.636	-2.269	0.419	0.017	-0.686	0.636	-2.269	-0.366
306I	-0.692	-0.038	0.636	-2.311	0.419	0.017	-0.686	0.636	-2.311	-0.379
307A	0.300	0.896	0.608	-2.035	0.355	-0.008	-0.707	0.896	-2.035	-0.084
308A	1.028	0.572	1.057	-1.616	0.729	0.590	-1.323	1.057	-1.616	0.148
309P	1.110	0.572	1.365	-0.928	1.084	0.631	-1.436	1.365	-1.436	0.343
310G	1.110	1.068	1.365	-0.475	1.084	0.631	-1.436	1.365	-1.436	0.478
311E	1.110	0.345	1.365	-0.143	1.084	0.631	-1.436	1.365	-1.436	0.422
312N	1.388	0.626	1.515	0.006	1.239	0.651	-0.266	1.515	-0.266	0.737
313I	1.021	0.626	1.150	-0.209	0.957	0.633	0.103	1.150	-0.209	0.612
314A	1.072	1.806	1.309	-0.236	1.157	0.654	0.262	1.806	-0.236	0.861
315S	1.021	2.433	1.281	0.301	1.103	0.095	0.176	2.433	0.095	0.916
316V	0.990	2.116	1.132	1.033	0.948	0.074	0.449	2.116	0.074	0.963
317S	1.856	2.840	1.262	1.964	0.920	0.072	0.127	2.840	0.072	1.292
318N	2.355	1.984	1.533	2.540	1.239	0.561	1.128	2.540	0.561	1.620
319S	2.305	1.171	1.375	2.176	1.039	0.541	0.969	2.305	0.541	1.368
320G	2.671	0.315	1.496	1.490	1.048	0.539	-0.630	2.671	-0.630	0.990
321D	1.679	0.297	1.262	0.422	0.902	0.525	-0.355	1.679	-0.355	0.676
322G	1.369	0.385	0.963	-0.612	0.592	0.484	-1.252	1.369	-1.252	0.276
323A	1.401	-0.446	1.113	-0.990	0.747	0.505	-1.525	1.401	-1.525	0.115
324L	1.401	-0.088	1.113	-0.854	0.747	0.505	-1.525	1.401	-1.525	0.185
325A	0.187	0.656	0.758	-0.415	0.437	0.021	-1.081	0.758	-1.081	0.080
326N	-0.041	0.656	1.010	0.076	0.756	0.040	-0.861	1.010	-0.861	0.234
327G	0.459	0.137	1.281	0.319	1.075	0.529	0.140	1.281	0.137	0.563
328L	1.173	0.001	1.365	0.208	1.066	0.524	-1.305	1.365	-1.305	0.433
329P	1.173	1.036	1.524	0.618	1.239	1.144	-0.028	1.524	-0.028	0.958
330D	1.110	0.473	1.552	0.839	1.303	1.145	0.249	1.552	0.249	0.953
331A	1.110	-0.162	2.010	1.141	1.987	1.740	0.313	2.010	-0.162	1.163
332H	1.110	-0.162	2.010	0.833	1.987	1.740	0.313	2.010	-0.162	1.119
333Q	0.743	-0.456	1.646	0.021	1.704	1.723	0.682	1.723	-0.456	0.866
334K	0.244	-0.092	1.375	-1.083	1.385	1.234	-0.319	1.385	-1.083	0.392
335L	-0.471	-0.296	1.290	-1.792	1.394	1.239	1.126	1.394	-1.792	0.356
336V	-0.193	0.399	1.281	-2.045	1.376	0.639	1.019	1.376	-2.045	0.354
337A	-0.212	1.351	0.945	-1.767	0.957	0.597	0.856	1.351	-1.767	0.389
338L	-0.243	0.944	0.692	-1.119	0.474	0.022	0.831	0.944	-1.119	0.229
339S	0.749	1.149	0.926	-0.439	0.619	0.037	0.556	1.149	-0.439	0.514
340G	0.863	0.293	1.300	0.059	0.866	0.055	0.299	1.300	0.055	0.534
341T	0.863	0.293	1.300	0.228	0.866	0.055	0.299	1.300	0.055	0.558
342S	1.578	-0.605	1.384	0.066	0.856	0.049	-1.146	1.578	-1.146	0.312
343Y	1.527	-1.556	1.225	-0.539	0.656	0.029	-1.305	1.527	-1.556	0.005
344A	1.046	-0.294	1.487	-1.091	0.938	0.049	-0.973	1.487	-1.091	0.166
345A	0.484	0.333	1.169	-1.522	0.774	0.030	-0.425	1.169	-1.522	0.120
346G	0.484	0.237	1.169	-1.482	0.774	0.030	-0.425	1.169	-1.482	0.112
347Y	0.964	-0.390	0.907	-1.183	0.492	0.011	-0.757	0.964	-1.183	0.006
348V	0.598	0.017	0.786	-0.814	0.483	0.012	0.842	0.842	-0.814	0.275
349S	0.598	-0.092	0.786	-0.746	0.483	0.012	0.842	0.842	-0.746	0.269
350G	0.370	-1.043	0.795	-0.994	0.528	0.012	-0.169	0.795	-1.043	-0.071
351V	-0.092	-0.857	0.459	-1.524	0.300	-0.002	-0.066	0.459	-1.524	-0.254

352A	-0.092	0.095	0.459	-1.921	0.300	-0.002	-0.066	0.459	-1.921	-0.175
353A	-0.237	0.908	0.739	-2.307	0.619	0.603	-0.227	0.908	-2.307	0.014
354L	-0.186	0.501	0.898	-2.142	0.820	0.623	-0.067	0.898	-2.142	0.064
355V	0.313	1.064	1.449	-1.919	1.303	1.246	-0.657	1.449	-1.919	0.400
356R	0.060	1.788	1.702	-1.466	1.540	1.266	0.686	1.788	-1.466	0.796
357S	0.060	0.770	1.945	-1.058	1.813	1.285	1.916	1.945	-1.058	0.961
358R	1.002	0.523	2.019	-0.797	1.759	1.279	1.481	2.019	-0.797	1.038
359Y	0.655	-0.290	2.057	-0.805	1.777	1.283	1.327	2.057	-0.805	0.858
360P	0.832	0.608	1.926	-0.452	1.613	0.699	1.215	1.926	-0.452	0.920
361G	0.553	0.824	1.776	-0.331	1.458	0.679	0.045	1.776	-0.331	0.715
362L	0.617	0.101	1.543	0.203	1.139	0.074	0.087	1.543	0.074	0.538
363N	1.230	0.209	1.617	0.319	1.267	0.654	-0.272	1.617	-0.272	0.718
364A	0.863	0.413	1.253	0.053	0.984	0.637	0.097	1.253	0.053	0.614
365T	0.269	1.227	1.141	-0.653	1.020	0.638	0.686	1.227	-0.653	0.618
366E	1.116	0.532	1.655	-1.335	1.485	1.258	0.250	1.655	-1.335	0.709
367V	0.939	0.447	1.786	-2.114	1.649	1.842	0.362	1.842	-2.114	0.702
368V	0.225	0.544	1.702	-2.397	1.658	1.847	1.807	1.847	-2.397	0.769
369R	0.225	1.131	1.702	-2.497	1.658	1.847	1.807	1.847	-2.497	0.839
370R	-0.136	0.317	1.375	-2.354	1.294	1.248	0.823	1.375	-2.354	0.367
371L	0.427	-0.406	1.692	-1.921	1.458	1.266	0.275	1.692	-1.921	0.399
372T	0.794	0.612	1.814	-1.542	1.467	1.264	-1.324	1.814	-1.542	0.441
373A	0.661	0.748	1.543	-0.855	1.166	1.260	-1.055	1.543	-1.055	0.495
374T	0.661	0.748	1.543	-0.456	1.166	1.260	-1.055	1.543	-1.055	0.552
375A	1.603	1.070	1.617	-0.024	1.112	1.254	-1.490	1.617	-1.490	0.735
376H	1.407	1.646	1.421	-0.151	0.957	1.234	-2.541	1.646	-2.541	0.568
377R	1.540	2.411	1.851	-0.580	1.431	1.859	-1.532	2.411	-1.532	0.997
378G	1.704	2.453	1.982	-1.402	1.640	2.439	-1.599	2.453	-1.599	1.031
379A	1.982	2.435	2.132	-1.673	1.795	2.459	-0.429	2.459	-1.673	1.243
380R	2.260	2.110	2.122	-1.553	1.777	1.859	-0.536	2.260	-1.553	1.148
381E	2.437	1.201	1.991	-0.315	1.613	1.275	-0.649	2.437	-0.649	1.079
382S	1.571	1.253	1.860	0.791	1.640	1.277	-0.327	1.860	-0.327	1.152
383S	1.205	0.397	1.739	1.508	1.631	1.278	1.272	1.739	0.397	1.290
384N	1.299	0.169	1.300	1.150	1.112	0.654	1.273	1.300	0.169	0.994
385I	0.939	0.169	0.973	0.116	0.747	0.054	0.289	0.973	0.054	0.470
386V	0.888	0.289	0.814	-1.089	0.547	0.034	0.130	0.888	-1.089	0.230
387G	0.920	0.924	0.963	-1.246	0.701	0.054	-0.143	0.963	-1.246	0.311
388A	-0.104	0.297	0.580	-1.032	0.401	0.019	0.405	0.580	-1.032	0.081
389G	1.034	0.201	0.991	0.059	0.738	0.506	0.074	1.034	0.059	0.515
390N	1.401	-0.426	1.113	0.612	0.747	0.505	-1.525	1.401	-1.525	0.347
391L	0.806	-1.035	1.001	0.716	0.784	0.506	-0.936	1.001	-1.035	0.263
392D	0.806	-1.035	1.001	0.118	0.784	0.506	-0.936	1.001	-1.035	0.178
393A	0.579	-1.083	1.010	-0.625	0.829	0.506	-1.947	1.010	-1.947	-0.104
394V	-0.446	-1.586	0.627	-1.580	0.528	0.471	-1.399	0.627	-1.586	-0.483
395A	0.465	-0.999	0.907	-1.814	0.674	0.486	-1.793	0.907	-1.814	-0.296
396A	-0.800	-1.204	0.655	-2.016	0.373	0.022	-1.762	0.655	-2.016	-0.676
397L	-0.553	-0.845	0.982	-1.727	0.747	0.064	-0.588	0.982	-1.727	-0.274
398T	-0.901	-0.641	1.019	-1.552	0.765	0.068	-0.742	1.019	-1.552	-0.283
399W	-0.901	-0.556	1.262	-1.275	1.039	0.087	0.488	1.262	-1.275	0.021
400Q	-0.901	0.305	1.262	-1.203	1.039	0.087	0.488	1.262	-1.203	0.154
401L	0.174	0.441	1.674	-1.115	1.394	0.681	0.027	1.674	-1.115	0.468
402P	-0.022	1.273	1.720	-1.120	1.513	0.680	0.206	1.720	-1.120	0.607
403A	0.971	1.541	1.692	-1.078	1.449	0.655	0.184	1.692	-1.078	0.773
404E	0.952	1.541	1.356	-1.100	1.030	0.613	0.021	1.541	-1.100	0.630
405P	1.894	0.966	1.431	-1.055	0.975	0.607	-0.414	1.894	-1.055	0.629
406G	1.894	0.966	1.188	-1.211	0.701	0.588	-1.644	1.894	-1.644	0.355
407G	1.894	0.339	1.188	-1.429	0.701	0.588	-1.644	1.894	-1.644	0.234
408G	1.533	0.544	1.103	-1.500	0.610	0.008	-1.398	1.533	-1.500	0.129
409A	1.533	0.275	0.860	-1.570	0.337	-0.011	-2.628	1.533	-2.628	-0.172
410A	1.533	0.179	1.318	-1.434	1.020	0.583	-2.563	1.533	-2.563	0.091

411P	1.306	0.179	1.571	-1.255	1.339	0.602	-2.343	1.571	-2.343	0.200
412A	0.711	0.359	1.459	-1.234	1.376	0.604	-1.755	1.459	-1.755	0.217
413K	0.711	0.718	1.459	-1.258	1.376	0.604	-1.755	1.459	-1.755	0.265
414P	1.211	0.245	1.730	-1.048	1.695	1.093	-0.754	1.730	-1.048	0.596
415V	1.211	-0.210	1.730	-0.741	1.695	1.093	-0.754	1.730	-0.754	0.575
416A	1.211	0.245	1.973	-0.107	1.968	1.112	0.476	1.973	-0.107	0.983
417D	0.617	0.245	1.403	0.396	1.321	0.519	1.000	1.403	0.245	0.786
418P	0.617	0.065	1.403	0.606	1.321	0.519	1.000	1.403	0.065	0.790
419P	0.983	0.538	1.524	0.332	1.330	0.517	-0.599	1.524	-0.599	0.661
420V	0.983	0.718	1.767	0.037	1.604	0.536	0.631	1.767	0.037	0.897
421P	0.711	1.305	1.945	-0.476	1.923	0.642	0.705	1.945	-0.476	0.965
422A	1.211	1.437	1.973	-0.419	1.968	1.112	0.476	1.973	-0.419	1.108
423P	1.407	1.796	1.926	-0.326	1.850	1.113	0.297	1.926	-0.326	1.152
424K	1.970	2.251	2.244	0.115	2.014	1.131	-0.251	2.251	-0.251	1.353
425D	1.970	2.028	2.244	0.402	2.014	1.131	-0.251	2.244	-0.251	1.363
426T	2.102	1.393	2.674	0.520	2.488	1.756	0.758	2.674	0.520	1.670
427T	2.412	0.902	2.730	0.599	2.524	1.778	0.425	2.730	0.425	1.624
428P	1.818	0.237	2.160	0.574	1.877	1.184	0.949	2.160	0.237	1.257
429R	1.318	-0.122	1.889	0.515	1.558	0.696	-0.052	1.889	-0.122	0.829
430N	0.408	-0.308	1.627	0.362	1.358	0.680	0.158	1.627	-0.308	0.612
431V	0.212	-0.917	1.431	-0.055	1.203	0.660	-0.892	1.431	-0.917	0.234
432A	0.440	-0.821	1.178	-0.707	0.884	0.641	-1.112	1.178	-1.112	0.072
433F	0.307	-0.821	0.748	-1.113	0.410	0.016	-2.121	0.748	-2.121	-0.368
434A	-0.003	-0.851	0.449	-1.604	0.100	-0.024	-3.018	0.449	-3.018	-0.707
435G	0.364	0.005	0.571	-1.776	0.109	-0.026	-4.617	0.571	-4.617	-0.767
436A	-0.351	-0.719	0.487	-1.966	0.118	-0.021	-3.172	0.487	-3.172	-0.803
437A	0.642	-0.923	0.702	-1.903	0.319	-0.005	-3.264	0.702	-3.264	-0.633
438A	0.275	-1.019	0.580	-1.667	0.310	-0.003	-1.665	0.580	-1.667	-0.456
439L	-0.667	-0.392	0.505	-1.320	0.364	0.002	-1.230	0.505	-1.320	-0.391
440S	-1.034	-0.392	0.384	-1.186	0.355	0.004	0.369	0.384	-1.186	-0.214
441V	-0.806	-0.757	0.375	-1.321	0.310	0.004	1.379	1.379	-1.321	-0.117
442L	-1.520	-0.661	0.290	-1.722	0.319	0.009	2.824	2.824	-1.722	-0.066
443V	-0.610	-0.456	0.571	-1.844	0.465	0.024	2.430	2.430	-1.844	0.083
444G	-0.888	0.131	0.421	-1.925	0.310	0.004	1.260	1.260	-1.925	-0.098
445L	-0.521	-0.593	0.543	-1.706	0.319	0.002	-0.339	0.543	-1.706	-0.328
446T	0.389	-0.388	0.823	-1.497	0.465	0.017	-0.733	0.823	-1.497	-0.132
447A	0.389	-1.204	0.823	-1.413	0.465	0.017	-0.733	0.823	-1.413	-0.237
448A	0.161	-1.204	0.832	-1.418	0.510	0.017	-1.743	0.832	-1.743	-0.406
449T	0.237	-0.390	0.776	-1.568	0.483	0.013	-1.857	0.776	-1.857	-0.329
450V	0.041	-0.068	0.580	-1.891	0.328	-0.007	-2.907	0.580	-2.907	-0.561
451A	0.174	0.842	1.010	-2.289	0.802	0.618	-1.898	1.010	-2.289	-0.106
452I	0.307	1.656	1.440	-2.592	1.276	1.242	-0.889	1.656	-2.592	0.348
453A	0.244	2.555	1.674	-2.831	1.595	1.847	-0.931	2.555	-2.831	0.593
454R	0.743	2.914	2.225	-2.873	2.078	2.470	-1.520	2.914	-2.873	0.862
455R	1.103	2.591	2.552	-2.901	2.442	3.070	-0.536	3.070	-2.901	1.189
456R	1.742	2.353	2.935	-2.650	2.734	3.087	-0.638	3.087	-2.650	1.366
457R	1.938	1.794	3.131	-2.205	2.889	3.107	0.413	3.131	-2.205	1.581
458E	2.166	1.235	3.029	-1.593	2.780	3.082	0.387	3.082	-1.593	1.584
459P	1.900	0.914	2.141	-1.018	2.625	2.517	-0.622	2.625	-1.018	1.208
460T	1.634	0.810	1.253	-0.732	2.470	1.953	-1.631	2.470	-1.631	0.822
461E	1.369	0.574	0.365	-0.668	2.315	1.388	-2.640	2.315	-2.640	0.386

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]MIRAAFACLAATVVVAGWWTPPAWAIGPPVVDAAAQPPSGDPGPVAPMEQRGACSVSGVIPGTDPGVP TPSQTMLNLPAAWQFSRGEGQLVAIIDTGVQPGPRLPNVDAGGDFVESTDGLTDCDGHGTLVAGIVAGQP GNDGFSGVAPAARLLSIRAMSTKFSPRTSGGDPQLAQATLDVAVLAGAIVHAADLGAKVINVSTITCLPADR MVDQAALGAAIRYAAVDKDAVIVAAAGNTGASGSVSASCDSNPLTDLSRPDDPRNWAGVTSVSIPSWWQ PYVLSVASLTSAGQPSKFSMPGPWVGIAAPGENIASVSNSGDGALANGLPDAHQKLVALSGTSYAAGYVS GVAALVRSRYPGLNATEVVRRLTATAHRGARESSNIVGAGNLDAVAALTWQLPAEPGGGAAPAKPVADPPV PAPKDTTPRNVAFAGAAALSVLVGLTAATVAIARRRREPTE[461]
Hydrophilicity	[1]MIRAAFACLAATVVVAGWWTPPAWAIGPPVVDAAAQPPSGDPGPVAPMEQRGACSVSGVIPGTDPGVP TPSQTMLNLPAAWQFSRGEGQLVAIIDTGVQPGPRLPNVDAGGDFVESTDGLTDCDGHGTLVAGIVAGQP GNDGFSGVAPAARLLSIRAMSTKFSPRTSGGDPQLAQATLDVAVLAGAIVHAADLGAKVINVSTITCLPADR MVDQAALGAAIRYAAVDKDAVIVAAAGNTGASGSVSASCDSNPLTDLSRPDDPRNWAGVTSVSIPSWWQ PYVLSVASLTSAGQPSKFSMPGPWVGIAAPGENIASVSNSGDGALANGLPDAHQKLVALSGTSYAAGYVS GVAALVRSRYPGLNATEVVRRLTATAHRGARESSNIVGAGNLDAVAALTWQLPAEPGGGAAPAKPVADPPV PAPKDTTPRNVAFAGAAALSVLVGLTAATVAIARRRREPTE[461]
Flexibility	[1]MIRAAFACLAATVVVAGWWTPPAWAIGPPVVDAAAQPPSGDPGPVAPMEQRGACSVSGVIPGTDPGVP TPSQTMLNLPAAWQFSRGEGQLVAIIDTGVQPGPRLPNVDAGGDFVESTDGLTDCDGHGTLVAGIVAGQP GNDGFSGVAPAARLLSIRAMSTKFSPRTSGGDPQLAQATLDVAVLAGAIVHAADLGAKVINVSTITCLPADR MVDQAALGAAIRYAAVDKDAVIVAAAGNTGASGSVSASCDSNPLTDLSRPDDPRNWAGVTSVSIPSWWQ PYVLSVASLTSAGQPSKFSMPGPWVGIAAPGENIASVSNSGDGALANGLPDAHQKLVALSGTSYAAGYVS GVAALVRSRYPGLNATEVVRRLTATAHRGARESSNIVGAGNLDAVAALTWQLPAEPGGGAAPAKPVADPPV PAPKDTTPRNVAFAGAAALSVLVGLTAATVAIARRRREPTE[461]
Accessibility	[1]MIRAAFACLAATVVVAGWWTPPAWAIGPPVVDAAAQPPSGDPGPVAPMEQRGACSVSGVIPGTDPGVP TPSQTMLNLPAAWQFSRGEGQLVAIIDTGVQPGPRLPNVDAGGDFVESTDGLTDCDGHGTLVAGIVAGQP GNDGFSGVAPAARLLSIRAMSTKFSPRTSGGDPQLAQATLDVAVLAGAIVHAADLGAKVINVSTITCLPADR MVDQAALGAAIRYAAVDKDAVIVAAAGNTGASGSVSASCDSNPLTDLSRPDDPRNWAGVTSVSIPSWWQ PYVLSVASLTSAGQPSKFSMPGPWVGIAAPGENIASVSNSGDGALANGLPDAHQKLVALSGTSYAAGYVS GVAALVRSRYPGLNATEVVRRLTATAHRGARESSNIVGAGNLDAVAALTWQLPAEPGGGAAPAKPVADPPV PAPKDTTPRNVAFAGAAALSVLVGLTAATVAIARRRREPTE[461]
Turns	[1]MIRAAFACLAATVVVAGWWTPPAWAIGPPVVDAAAQPPSGDPGPVAPMEQRGACSVSGVIPGTDPGVP TPSQTMLNLPAAWQFSRGEGQLVAIIDTGVQPGPRLPNVDAGGDFVESTDGLTDCDGHGTLVAGIVAGQP GNDGFSGVAPAARLLSIRAMSTKFSPRTSGGDPQLAQATLDVAVLAGAIVHAADLGAKVINVSTITCLPADR MVDQAALGAAIRYAAVDKDAVIVAAAGNTGASGSVSASCDSNPLTDLSRPDDPRNWAGVTSVSIPSWWQ PYVLSVASLTSAGQPSKFSMPGPWVGIAAPGENIASVSNSGDGALANGLPDAHQKLVALSGTSYAAGYVS GVAALVRSRYPGLNATEVVRRLTATAHRGARESSNIVGAGNLDAVAALTWQLPAEPGGGAAPAKPVADPPV PAPKDTTPRNVAFAGAAALSVLVGLTAATVAIARRRREPTE[461]
Exposed Surface	[1]MIRAAFACLAATVVVAGWWTPPAWAIGPPVVDAAAQPPSGDPGPVAPMEQRGACSVSGVIPGTDPGVP TPSQTMLNLPAAWQFSRGEGQLVAIIDTGVQPGPRLPNVDAGGDFVESTDGLTDCDGHGTLVAGIVAGQP GNDGFSGVAPAARLLSIRAMSTKFSPRTSGGDPQLAQATLDVAVLAGAIVHAADLGAKVINVSTITCLPADR MVDQAALGAAIRYAAVDKDAVIVAAAGNTGASGSVSASCDSNPLTDLSRPDDPRNWAGVTSVSIPSWWQ

	PYVLSVASLTSAGQPSKFSMPGPWVGIAAPGENIASVSNSGDGALANGLPDAHQKLVALSGTSYAAGYVS GVAALVRSRYPGLNATEVVRRLTATAHRGARESSNIVGAGNLDAVAALTWQLPAEPGGGAAPAKPVADPPV PAPKDTTPRNVAFAGAAALSVLVGLTAATVAIARRRREPTE[461]
Polarity	[1]MIRAAFACLAATVVVAGWWTPPAWAIGPPVVDAAAQPPSGDPGPVAPMEQRGACSVSGVIPGTDPGVP TPSQTMLNLPAAWQFSRGEGQLVAIIDTGVQPGPRLPNVDAGGDFVESTDGLTDCDGHGTLVAGIVAGQP GNDGFSGVAPAARLLSIRAMSTKFSPRTSGGDPQLAQATLDVAVLAGAIVHAADLGAKVINVSTITCLPADR MVDQAALGAAIRYAAVDKDAVIVAAAGNTGASGSVSASCDSNPLTDLSRPDDPRNWAGVTSVSIPSWWQ PYVLSVASLTSAGQPSKFSMPGPWVGIAAPGENIASVSNSGDGALANGLPDAHQKLVALSGTSYAAGYVS GVAALVRSRYPGLNATEVVRRLTATAHRGARESSNIVGAGNLDAVAALTWQLPAEPGGGAAPAKPVADPPV PAPKDTTPRNVAFAGAAALSVLVGLTAATVAIARRRREPTE[461]
Antigenic Propensity	[1]MIRAAFACLAATVVVAGWWTPPAWAIGPPVVDAAAQPPSGDPGPVAPMEQRGACSVSGVIPGTDPGVP TPSQTMLNLPAAWQFSRGEGQLVAIIDTGVQPGPRLPNVDAGGDFVESTDGLTDCDGHGTLVAGIVAGQP GNDGFSGVAPAARLLSIRAMSTKFSPRTSGGDPQLAQATLDVAVLAGAIVHAADLGAKVINVSTITCLPADR MVDQAALGAAIRYAAVDKDAVIVAAAGNTGASGSVSASCDSNPLTDLSRPDDPRNWAGVTSVSIPSWWQ PYVLSVASLTSAGQPSKFSMPGPWVGIAAPGENIASVSNSGDGALANGLPDAHQKLVALSGTSYAAGYVS GVAALVRSRYPGLNATEVVRRLTATAHRGARESSNIVGAGNLDAVAALTWQLPAEPGGGAAPAKPVADPPV PAPKDTTPRNVAFAGAAALSVLVGLTAATVAIARRRREPTE[461]

TOP

Home