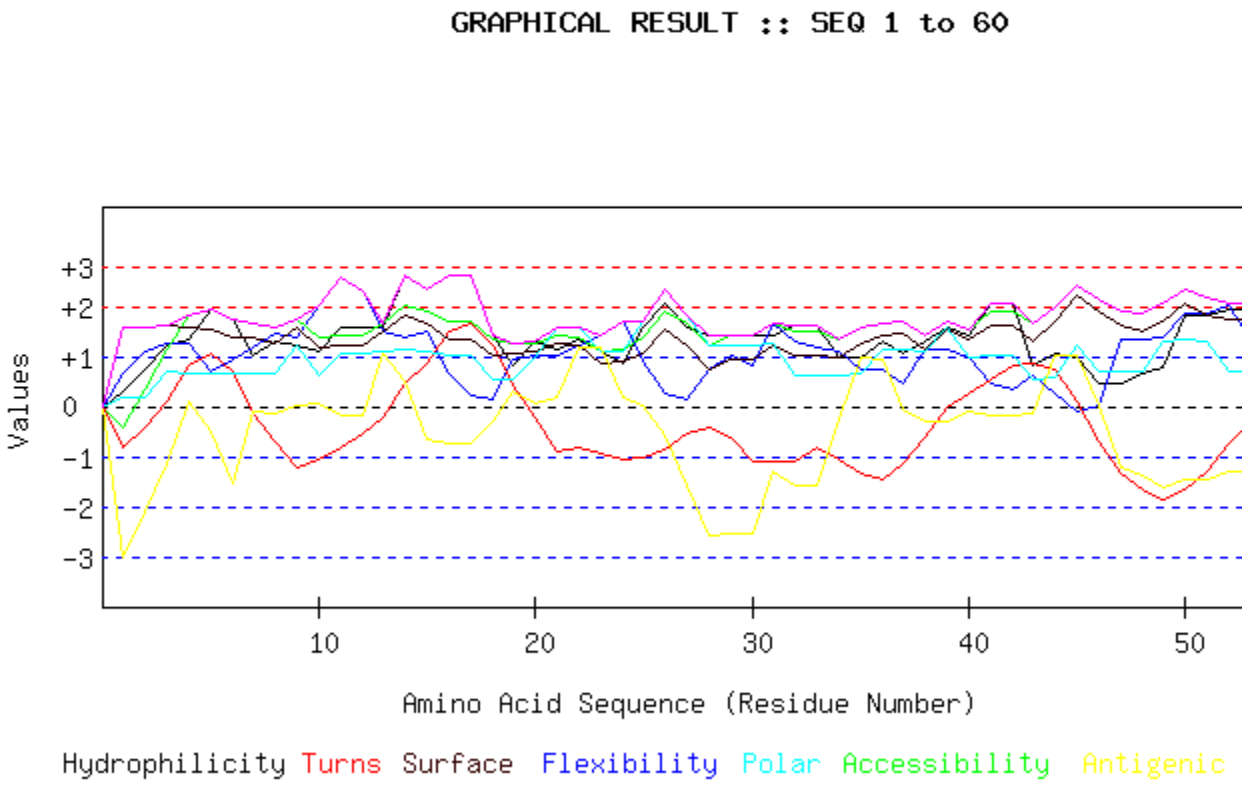
BcePred Prediction Server

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

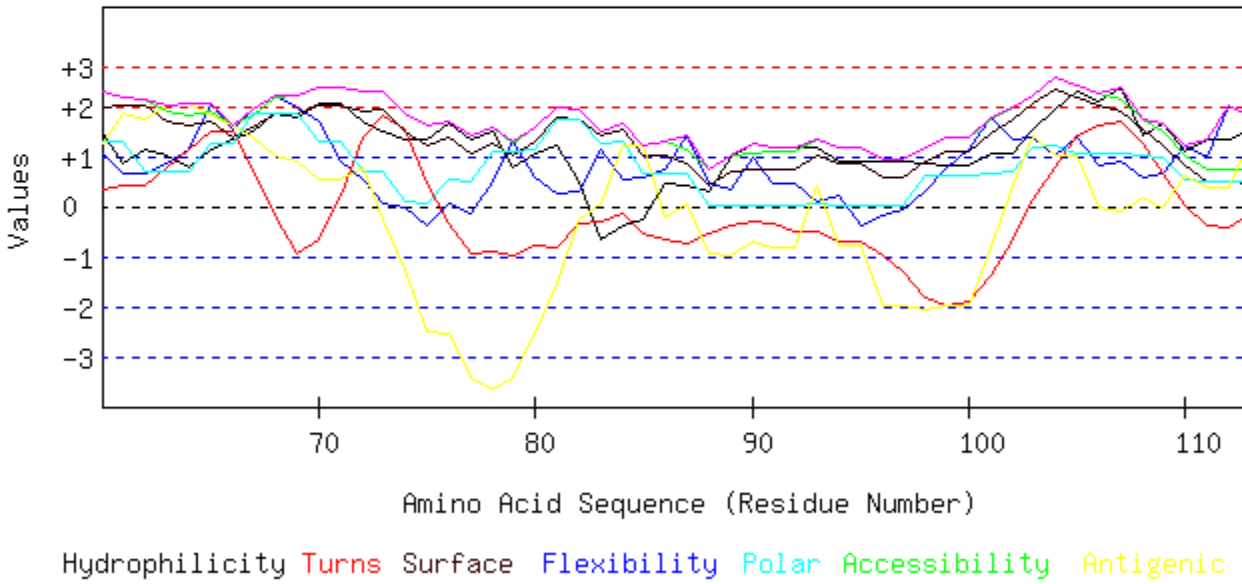
seqname=
Seq= VTAPNEPGALSKGDGPNADGLVDRGGAHRAATGPGRIPDAGDPPPWQRAATR
QSQAGHRQPPPVSHPEGRPTNPPAAADARLNRFISGASAPVTGPAAAVRTPQPDPDASL
GCGDGSPAEAYASELPDLSGPTPRAPQRNPAPARPAEGGAGSRGDSAAGSSGGRSITAES
RDARVQLSARRSRGPVRASMQIRRIDPWSTLKVSLLLSVALFFVWMITVAFLYLVLGGM
GVWAKLNSNVGDLLNNASGSSAELVSSGTIFGGAFLIGLVNIVLMTALATIGAFVYNLIT
DLIGGIEVTLADRD

Length=304

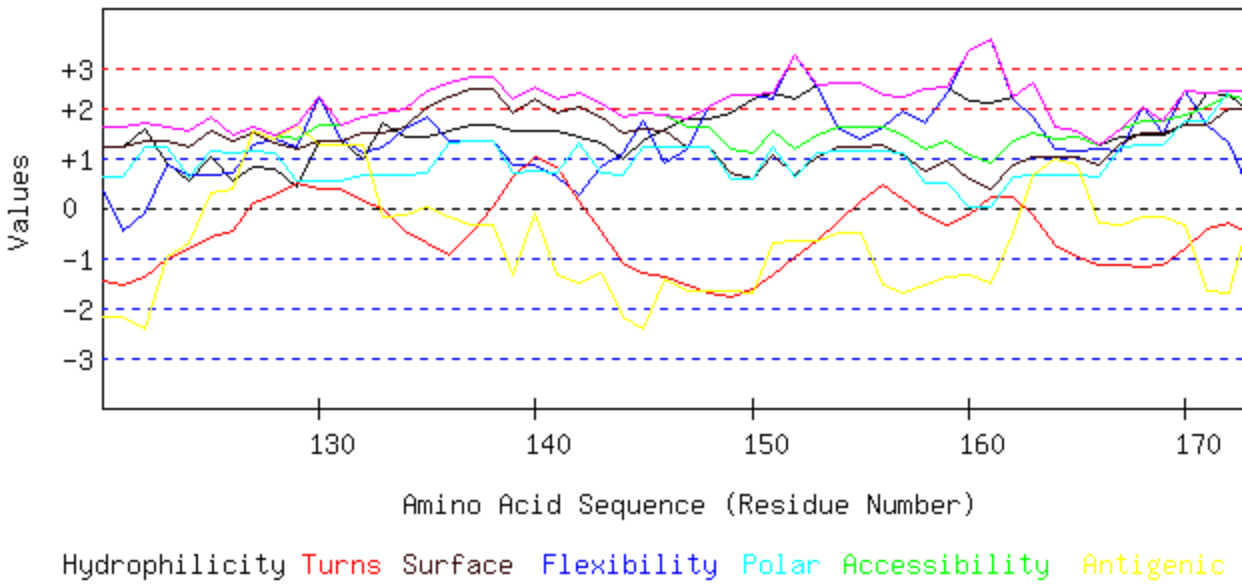
GRAPHICAL RESULT



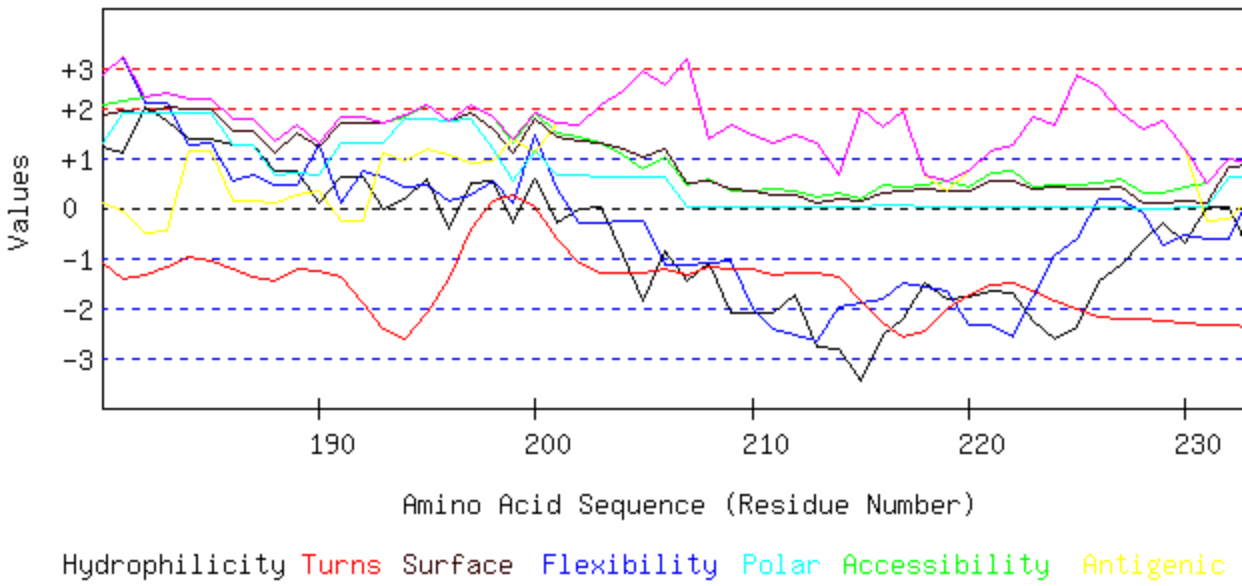
GRAPHICAL RESULT :: SEQ 61 to 120



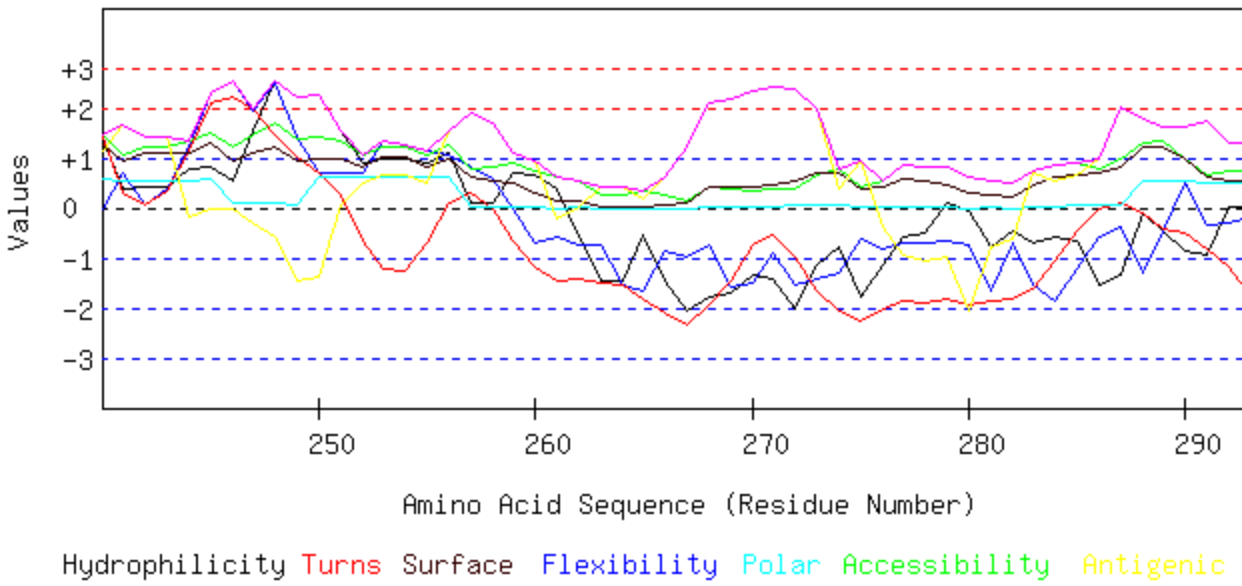
GRAPHICAL RESULT :: SEQ 121 to 180



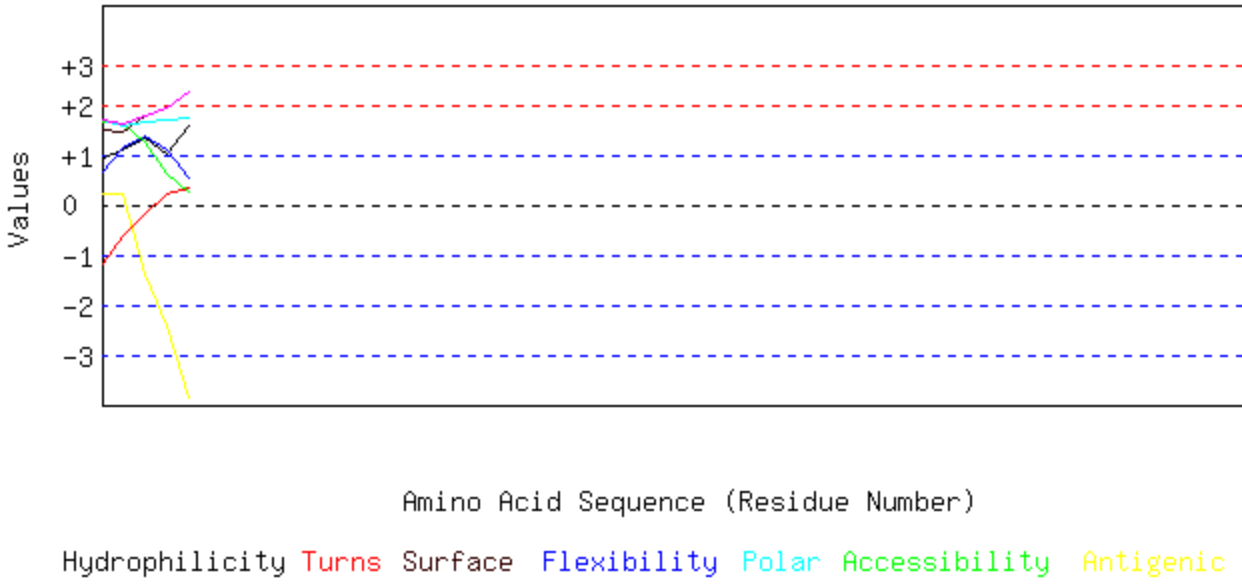
GRAPHICAL RESULT :: SEQ 181 to 240



GRAPHICAL RESULT :: SEQ 241 to 300



GRAPHICAL RESULT :: SEQ 301 to 360



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

VTAPNEPGALSKGDGPNADGLVDRGGAHRAATGPGRIPDAGDPPPWQRAATRQSQAGHRQ
PPPVSHPEGRPTNPPAAADARLNRFISGASAPVTGPAAAVRTPQPDPDASLGCGDGSPAE
AYASELPDLSGPTPRAPQRNPAPARPAEGGAGSRGDSAAGSSGGRSITAESRDARVQLSA
RRSRGPVRASMQIRRIDPWSTLKVSLLLSVALFFVWMITVAFLYLVLGGMGVWAKLNSNV
GDLLNNASGSSAELVSSGTIFGGAFLIGLVNIVLMTALATIGAFVYNLITDLIGGIEVTL

ADRD

Length=304

A.A.	Parameter Combined						
	Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro
MAX	MIN	AVG					
1 V	0.281	0.664	-0.411	-0.819	1.576	0.191	-3.009
1.576	-3.009	-0.218					
2 T	0.724	1.119	0.346	-0.428	1.567	0.171	-2.112
1.567	-2.112	0.198					
3 A	1.217	1.255	1.132	0.116	1.613	0.711	-1.128
1.613	-1.128	0.702					
4 P	1.350	1.255	1.832	0.831	1.567	0.669	0.102
1.832	0.102	1.087					
5 N	1.944	0.692	1.945	1.073	1.531	0.668	-0.487
1.945	-0.487	1.052					
6 E	1.748	0.938	1.748	0.685	1.376	0.648	-1.538
1.748	-1.538	0.801					
7 P	1.034	1.195	1.664	-0.143	1.385	0.653	-0.092
1.664	-0.143	0.814					
8 G	1.312	1.463	1.571	-0.718	1.267	0.654	-0.153
1.571	-0.718	0.771					
9 A	1.230	1.375	1.720	-1.231	1.595	1.208	0.025
1.720	-1.231	0.846					
10 L	1.097	2.002	1.384	-1.079	1.185	0.609	0.052
2.002	-1.079	0.750					
11 S	1.597	2.565	1.412	-0.830	1.230	1.079	-0.177
2.565	-0.830	0.982					
12 K	1.597	2.319	1.412	-0.553	1.230	1.079	-0.177
2.319	-0.553	0.987					
13 G	1.597	1.487	1.655	-0.206	1.504	1.098	1.053
1.655	-0.206	1.170					
14 D	2.621	1.399	2.038	0.452	1.804	1.133	0.505
2.621	0.452	1.422					
15 G	2.343	1.487	1.889	0.863	1.649	1.113	-0.665
2.343	-0.665	1.240					
16 P	2.614	0.656	1.711	1.518	1.330	1.007	-0.739
2.614	-0.739	1.157					
17 N	2.614	0.201	1.711	1.644	1.330	1.007	-0.739
2.614	-0.739	1.110					
18 A	1.401	0.131	1.356	1.232	1.020	0.524	-0.295
1.401	-0.295	0.767					
19 D	0.806	0.944	1.244	0.430	1.057	0.525	0.294
1.244	0.294	0.757					
20 G	1.306	1.032	1.272	-0.221	1.103	0.995	0.065
1.306	-0.221	0.793					
21 L	1.129	1.032	1.403	-0.897	1.267	1.579	0.177
1.579	-0.897	0.813					
22 V	1.356	1.237	1.393	-0.833	1.221	1.579	1.187

```
1.579   -0.833    1.020
23 D          1.084    1.423    1.113   -0.949    0.856    1.090    1.197
1.423   -0.949    0.831
24 R          0.857    1.698    1.122   -1.064    0.902    1.090    0.186
1.698   -1.064    0.684
25 G          1.571    0.884    1.365   -1.009    1.066    1.705    0.019
1.705   -1.009    0.800
26 G          2.071    0.257    1.917   -0.844    1.549    2.328   -0.571
2.328   -0.844    0.958
27 A          1.571    0.121    1.646   -0.549    1.230    1.839   -1.572
1.839   -1.572    0.612
28 H          1.438    0.748    1.216   -0.412    0.756    1.214   -2.581
1.438   -2.581    0.340
29 R          1.407    1.016    1.421   -0.623    0.957    1.234   -2.541
1.421   -2.541    0.410
30 A          1.407    0.830    1.421   -1.105    0.957    1.234   -2.541
1.421   -2.541    0.315
31 A          1.407    1.644    1.664   -1.107    1.230    1.253   -1.311
1.664   -1.311    0.683
32 T          1.634    1.319    1.496   -1.097    1.011    0.633   -1.578
1.634   -1.578    0.488
33 G          1.634    1.187    1.496   -0.835    1.011    0.633   -1.578
1.634   -1.578    0.507
34 P          0.996    1.099    1.356   -1.052    0.993    0.635   -0.246
1.356   -1.052    0.540
35 G          0.996    0.740    1.599   -1.349    1.267    0.654    0.984
1.599   -1.349    0.699
36 R          1.299    0.740    1.674   -1.476    1.431    1.123    0.934
1.674   -1.476    0.818
37 I          1.072    0.465    1.683   -1.149    1.476    1.123   -0.076
1.683   -1.149    0.656
38 P          1.299    1.149    1.431   -0.617    1.157    1.104   -0.296
1.431   -0.617    0.747
39 D          1.571    1.149    1.711   -0.035    1.522    1.593   -0.305
1.711   -0.305    1.029
40 A          1.438    0.968    1.524    0.242    1.321    0.987   -0.084
1.524   -0.084    0.914
41 G          2.077    0.465    1.907    0.530    1.613    1.005   -0.186
2.077   -0.186    1.059
42 D          2.077    0.329    1.907    0.829    1.613    1.005   -0.186
2.077   -0.186    1.082
43 P          0.813    0.604    1.655    0.879    1.312    0.541   -0.155
1.655   -0.155    0.807
44 P          1.059    0.245    1.982    0.729    1.686    0.583    1.019
1.982    0.245    1.043
45 P          0.964   -0.114    2.421    0.106    2.205    1.208    1.017
2.421   -0.114    1.116
46 W          0.465    0.019    2.150   -0.689    1.886    0.719    0.016
2.150   -0.689    0.652
47 Q          0.465    1.335    1.907   -1.357    1.613    0.700   -1.214
1.907   -1.357    0.493
48 R          0.661    1.335    1.860   -1.677    1.494    0.701   -1.393
1.860   -1.677    0.426
49 A          0.794    1.377    2.047   -1.869    1.695    1.307   -1.614
2.047   -1.869    0.534
50 A          1.805    1.868    2.356   -1.641    2.050    1.324   -1.473
2.356   -1.641    0.899
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51 T          1.837    1.868    2.178   -1.290    1.832    1.302   -1.476
2.178   -1.476    0.893
52 R          1.951    2.004    2.075   -0.741    1.731    0.719   -1.312
2.075   -1.312    0.918
53 Q          1.951    1.281    2.075   -0.299    1.731    0.719   -1.312
2.075   -1.312    0.878
54 S          2.178    1.603    2.066   -0.086    1.686    0.719   -0.302
2.178   -0.302    1.124
55 Q          1.982    1.239    2.029    0.015    1.704    1.319   -0.075
2.029   -0.075    1.173
56 A          1.982    1.107    2.029   -0.063    1.704    1.319   -0.075
2.029   -0.075    1.143
57 G          1.982    1.465    2.029    0.071    1.704    1.319   -0.075
2.029   -0.075    1.214
58 H          1.704    1.197    2.122    0.147    1.823    1.318   -0.015
2.122   -0.015    1.185
59 R          1.457    1.010    2.038    0.281    1.722    1.295    0.042
2.038    0.042    1.121
60 Q          1.457    1.052    2.281    0.350    1.996    1.314    1.272
2.281    0.350    1.389
61 P          0.863    0.652    2.169    0.424    2.032    1.315    1.860
2.169    0.424    1.331
62 P          1.141    0.652    2.160    0.426    2.014    0.715    1.753
2.160    0.426    1.266
63 P          1.009    0.868    1.889    0.777    1.713    0.711    2.021
2.021    0.711    1.284
64 V          0.762    1.137    1.804    1.158    1.613    0.687    2.077
2.077    0.687    1.320
65 S          1.122    2.046    1.889    1.507    1.704    1.268    1.831
2.046    1.122    1.624
66 H          1.350    1.549    1.636    1.510    1.385    1.249    1.612
1.636    1.249    1.470
67 P          1.483    1.950    1.823    0.738    1.586    1.855    1.391
1.950    0.738    1.546
68 E          1.849    2.201    2.188   -0.183    1.868    1.872    1.022
2.201   -0.183    1.545
69 G          1.767    1.984    2.234   -0.929    1.868    1.872    0.903
2.234   -0.929    1.386
70 R          2.077    1.716    2.374   -0.665    2.005    1.293    0.523
2.374   -0.665    1.332
71 P          2.077    0.902    2.374    0.214    2.005    1.293    0.523
2.374    0.214    1.341
72 T          1.717    0.544    2.290    1.381    1.914    0.712    0.769
2.290    0.544    1.332
73 N          1.489    0.053    2.300    1.819    1.959    0.712   -0.242
2.300   -0.242    1.156
74 P          1.356   -0.017    1.870    1.546    1.485    0.087   -1.251
1.870   -1.251    0.725
75 P          1.356   -0.376    1.627    0.454    1.212    0.068   -2.481
1.627   -2.481    0.266
76 A          1.660    0.079    1.702   -0.333    1.376    0.537   -2.531
1.702   -2.531    0.356
77 A          1.350   -0.126    1.403   -0.940    1.066    0.497   -3.428
1.403   -3.428   -0.025
78 A          1.483    0.483    1.589   -0.890    1.267    1.102   -3.649
1.589   -3.649    0.198
79 D          0.768    1.297    1.262   -0.964    1.002    1.089   -3.434
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1.297   -3.434    0.146
80 A          1.078    0.584    1.561   -0.776    1.312    1.129   -2.536
1.561   -2.536    0.336
81 R          1.211    0.259    1.991   -0.808    1.786    1.754   -1.527
1.991   -1.527    0.667
82 L          0.496    0.301    1.926   -0.338    1.741    1.758   -0.266
1.926   -0.338    0.803
83 N         -0.642    1.133    1.515   -0.289    1.403    1.271    0.065
1.515   -0.642    0.637
84 R         -0.363    0.523    1.664   -0.152    1.558    1.291    1.235
1.664   -0.363    0.822
85 F         -0.269    0.566    1.225   -0.528    1.039    0.667    1.236
1.236   -0.528    0.562
86 I          0.446    0.740    1.309   -0.664    1.030    0.661   -0.209
1.309   -0.664    0.473
87 S          0.414    1.423    1.160   -0.749    0.875    0.641    0.064
1.423   -0.749    0.547
88 G          0.281    0.471    0.730   -0.528    0.401    0.016   -0.946
0.730   -0.946    0.061
89 A          0.996    0.335    1.038   -0.381    0.720    0.031   -0.977
1.038   -0.977    0.252
90 S          1.268    0.962    1.057   -0.289    0.729    0.031   -0.710
1.268   -0.710    0.435
91 A          1.186    0.465    1.103   -0.337    0.729    0.030   -0.829
1.186   -0.829    0.335
92 P          1.186    0.465    1.103   -0.501    0.729    0.030   -0.829
1.186   -0.829    0.312
93 V          1.186    0.107    1.346   -0.501    1.002    0.049    0.401
1.346   -0.501    0.513
94 T          0.907    0.203    1.197   -0.706    0.847    0.029   -0.769
1.197   -0.769    0.244
95 G          0.907   -0.384    1.197   -0.690    0.847    0.029   -0.769
1.197   -0.769    0.163
96 P          0.907   -0.198    0.954   -0.988    0.574    0.010   -1.999
0.954   -1.999   -0.106
97 A          0.907   -0.066    0.954   -1.304    0.574    0.010   -1.999
0.954   -1.999   -0.132
98 A          0.844    0.293    1.188   -1.807    0.893    0.615   -2.040
1.188   -2.040   -0.002
99 A          0.813    0.784    1.393   -1.978    1.093    0.635   -2.000
1.393   -2.000    0.106
100V          0.813    1.143    1.393   -1.890    1.093    0.635   -2.000
1.393   -2.000    0.169
101R          1.059    1.778    1.720   -1.375    1.467    0.677   -0.827
1.778   -1.375    0.643
102T          1.059    1.323    1.963   -0.663    1.741    0.696    0.403
1.963   -0.663    0.932
103P          1.559    1.371    2.234    0.137    2.060    1.185    1.405
2.234    0.137    1.421
104Q          1.925    1.012    2.599    0.770    2.342    1.203    1.036
2.599    0.770    1.555
105P          2.292    1.377    2.440    1.412    2.187    1.067    1.028
2.440    1.028    1.686
106D          2.096    0.814    2.244    1.610    2.032    1.047   -0.023
2.244   -0.023    1.403
107P          2.374    0.902    2.150    1.687    1.914    1.048   -0.083
2.374   -0.083    1.427
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108D          1.413    0.580    1.739    1.241    1.549    1.011    0.188
1.739    0.188    1.103
109A          1.641    0.668    1.487    0.654    1.230    0.992   -0.031
1.641   -0.031    0.949
110S          1.097    1.207    1.001    0.007    0.820    0.521    0.600
1.207    0.007    0.750
111L          1.325    0.978    0.748   -0.388    0.501    0.502    0.380
1.325   -0.388    0.578
112G          1.325    2.038    0.748   -0.418    0.501    0.502    0.380
2.038   -0.418    0.725
113C          1.552    1.770    0.739   -0.147    0.455    0.502    1.391
1.770   -0.147    0.895
114G          1.552    1.734    0.739    0.255    0.455    0.502    1.391
1.734    0.255    0.947
115D          2.267    1.682    1.066    0.631    0.720    0.516    1.176
2.267    0.516    1.151
116G          2.039    1.143    1.075    0.783    0.765    0.516    0.165
2.039    0.165    0.927
117S          2.444    0.109    1.617    0.469    1.221    1.097   -0.483
2.444   -0.483    0.925
118P          2.216   -0.747    1.627   -0.046    1.267    1.097   -1.494
2.216   -1.494    0.560
119A          1.464   -0.250    1.608   -0.879    1.185    0.628   -1.153
1.608   -1.153    0.372
120E          1.236    0.325    1.617   -1.448    1.230    0.628   -2.163
1.617   -2.163    0.204
121A          1.236   -0.454    1.617   -1.552    1.230    0.628   -2.163
1.617   -2.163    0.078
122Y          1.597   -0.096    1.702   -1.365    1.321    1.208   -2.409
1.702   -2.409    0.280
123A          0.882    0.850    1.617   -1.004    1.330    1.214   -0.964
1.617   -1.004    0.561
124S          0.522    0.646    1.533   -0.808    1.239    0.633   -0.718
1.533   -0.808    0.435
125E          1.021    0.646    1.804   -0.575    1.558    1.122    0.283
1.804   -0.575    0.837
126L          0.560    0.698    1.468   -0.446    1.330    1.108    0.386
1.468   -0.446    0.729
127P          0.838    1.261    1.617    0.103    1.485    1.128    1.556
1.617    0.103    1.141
128D          0.787    1.393    1.459    0.280    1.285    1.108    1.397
1.459    0.280    1.101
129L          0.427    1.213    1.375    0.483    1.194    0.528    1.643
1.643    0.427    0.980
130S          1.337    2.231    1.655    0.380    1.339    0.542    1.249
2.231    0.380    1.248
131G          1.337    1.375    1.655    0.361    1.339    0.542    1.249
1.655    0.361    1.123
132P          0.971    1.107    1.814    0.136    1.494    0.678    1.257
1.814    0.136    1.065
133T          1.685    1.239    1.898   -0.000    1.485    0.672   -0.188
1.898   -0.188    0.970
134P          1.407    1.561    1.991   -0.452    1.604    0.671   -0.128
1.991   -0.452    0.951
135R          1.426    1.812    2.328   -0.716    2.023    0.714    0.035
2.328   -0.716    1.089
136A          1.559    1.357    2.515   -0.935    2.224    1.319   -0.186
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2.515   -0.935    1.122
137P         1.672    1.357    2.617   -0.506    2.379    1.340   -0.340
2.617   -0.506    1.217
138Q         1.672    1.357    2.617    0.003    2.379    1.340   -0.340
2.617   -0.340    1.290
139R         1.540    0.866    2.188    0.635    1.905    0.715   -1.349
2.188   -1.349    0.928
140N         1.540    0.866    2.431    1.013    2.178    0.734   -0.119
2.431   -0.119    1.235
141P         1.540    0.616    2.188    0.807    1.905    0.715   -1.349
2.188   -1.349    0.917
142A         1.426    0.257    2.290    0.128    2.005    1.298   -1.513
2.290   -1.513    0.841
143P         1.293    0.832    2.103   -0.447    1.804    0.692   -1.292
2.103   -1.292    0.712
144A         0.983    1.101    1.804   -1.094    1.494    0.651   -2.190
1.804   -2.190    0.393
145R         1.344    1.728    1.889   -1.314    1.586    1.232   -2.436
1.889   -2.436    0.575
146P         1.571    0.914    1.879   -1.382    1.540    1.232   -1.425
1.879   -1.425    0.618
147A         1.799    1.183    1.627   -1.554    1.221    1.213   -1.645
1.799   -1.645    0.549
148E         1.799    2.038    1.627   -1.709    1.221    1.213   -1.645
2.038   -1.709    0.649
149G         1.894    2.277    1.188   -1.772    0.701    0.588   -1.644
2.277   -1.772    0.462
150G         2.172    2.277    1.094   -1.624    0.583    0.589   -1.704
2.277   -1.704    0.484
151A         2.305    2.188    1.524   -1.350    1.057    1.214   -0.695
2.305   -1.350    0.892
152G         2.172    3.044    1.188   -1.000    0.647    0.615   -0.668
3.044   -1.000    0.857
153S         2.444    2.417    1.468   -0.656    1.011    1.104   -0.677
2.444   -0.677    1.016
154R         2.494    1.561    1.627   -0.242    1.212    1.124   -0.518
2.494   -0.518    1.037
155G         2.494    1.375    1.627    0.145    1.212    1.124   -0.518
2.494   -0.518    1.066
156D         2.267    1.603    1.636    0.454    1.257    1.124   -1.528
2.267   -1.528    0.973
157S         2.216    1.920    1.477    0.199    1.057    1.104   -1.688
2.216   -1.688    0.898
158A         2.362    1.692    1.197   -0.138    0.738    0.499   -1.527
2.362   -1.527    0.689
159A         2.412    2.319    1.356   -0.325    0.938    0.519   -1.368
2.412   -1.368    0.836
160G         2.140    3.132    1.075   -0.154    0.574    0.030   -1.358
3.132   -1.358    0.777
161S         2.090    3.361    0.917    0.214    0.373    0.010   -1.518
3.361   -1.518    0.778
162S         2.222    2.180    1.346    0.208    0.847    0.635   -0.509
2.222   -0.509    0.990
163G         2.501    1.816    1.496   -0.132    1.002    0.655    0.661
2.501   -0.132    1.143
164G         1.634    1.189    1.365   -0.748    1.030    0.657    0.983
1.634   -0.748    0.873
```

165R	1.552	1.137	1.412	-0.977	1.030	0.656	0.864
1.552	-0.977	0.810					
166S	1.274	1.179	1.262	-1.130	0.875	0.636	-0.306
1.274	-1.130	0.541					
167I	1.407	1.137	1.599	-1.144	1.285	1.236	-0.333
1.599	-1.144	0.741					
168T	1.457	2.000	1.758	-1.167	1.485	1.256	-0.173
2.000	-1.167	0.945					
169A	1.457	1.509	1.758	-1.125	1.485	1.256	-0.173
1.758	-1.125	0.881					
170E	1.679	2.323	1.879	-0.827	1.649	1.725	-0.342
2.323	-0.827	1.155					
171S	2.317	1.652	2.019	-0.432	1.668	1.723	-1.674
2.317	-1.674	1.039					
172R	2.254	1.287	2.253	-0.284	1.987	2.328	-1.716
2.328	-1.716	1.158					
173D	1.887	0.269	2.132	-0.538	1.977	2.329	-0.117
2.329	-0.538	1.134					
174A	1.774	0.586	2.132	-0.915	1.987	1.772	0.073
2.132	-0.915	1.058					
175R	0.781	0.586	1.898	-1.537	1.841	1.757	0.348
1.898	-1.537	0.810					
176V	0.926	0.586	1.617	-1.420	1.522	1.153	0.509
1.617	-1.420	0.699					
177Q	0.427	1.495	1.346	-1.308	1.203	0.664	-0.492
1.495	-1.308	0.476					
178L	0.560	1.860	1.776	-0.952	1.677	1.289	0.517
1.860	-0.952	0.961					
179S	0.560	2.878	1.776	-1.005	1.677	1.289	0.517
2.878	-1.005	1.099					
180A	1.205	2.649	2.047	-1.110	1.841	1.307	0.088
2.649	-1.110	1.147					
181R	1.091	3.008	2.150	-1.437	1.941	1.889	-0.076
3.008	-1.437	1.224					
182R	2.033	2.098	2.225	-1.326	1.886	1.884	-0.511
2.225	-1.326	1.184					
183S	1.755	2.098	2.318	-1.190	2.005	1.883	-0.451
2.318	-1.190	1.203					
184R	1.388	1.243	2.197	-0.994	1.996	1.884	1.148
2.197	-0.994	1.266					
185G	1.388	1.285	2.197	-1.041	1.996	1.884	1.148
2.197	-1.041	1.265					
186P	1.255	0.544	1.767	-1.216	1.522	1.260	0.139
1.767	-1.216	0.753					
187V	1.255	0.676	1.767	-1.392	1.522	1.260	0.139
1.767	-1.392	0.747					
188R	0.724	0.447	1.328	-1.461	1.093	0.652	0.084
1.328	-1.461	0.410					
189A	0.743	0.447	1.664	-1.238	1.513	0.695	0.247
1.664	-1.238	0.582					
190S	0.104	1.261	1.281	-1.274	1.221	0.678	0.349
1.281	-1.274	0.517					
191M	0.604	0.081	1.832	-1.399	1.704	1.301	-0.240
1.832	-1.399	0.555					
192Q	0.604	0.734	1.832	-1.902	1.704	1.301	-0.240
1.832	-1.902	0.576					
193I	-0.035	0.602	1.692	-2.420	1.686	1.302	1.091

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1.692   -2.420    0.560
194R         0.187    0.423    1.814   -2.611    1.850    1.771    0.923
1.850   -2.611    0.622
195R         0.585    0.465    2.066   -2.119    2.078    1.773    1.198
2.078   -2.119    0.864
196I        -0.427    0.143    1.758   -1.402    1.722    1.756    1.057
1.758   -1.402    0.658
197D         0.490    0.263    2.047   -0.428    1.895    1.774    0.895
2.047   -0.428    0.991
198P         0.553    0.556    1.814    0.155    1.576    1.169    0.936
1.814    0.155    0.966
199W        -0.294    0.101    1.300    0.259    1.112    0.550    1.372
1.372   -0.294    0.628
200S         0.572    1.459    1.889    0.020    1.768    1.143    1.116
1.889    0.020    1.138
201T        -0.294    0.399    1.496   -0.629    1.440    0.656    1.713
1.713   -0.629    0.683
202L        -0.016   -0.296    1.403   -1.092    1.321    0.657    1.653
1.653   -1.092    0.519
203K         0.035   -0.296    1.300   -1.319    1.312    0.637    2.066
2.066   -1.319    0.533
204V        -0.958   -0.272    1.066   -1.318    1.166    0.622    2.341
2.341   -1.318    0.378
205S        -1.868   -0.272    0.786   -1.305    1.020    0.608    2.735
2.735   -1.868    0.243
206L        -0.876   -1.127    1.019   -1.217    1.166    0.622    2.460
2.460   -1.217    0.293
207L        -1.470   -1.127    0.449   -1.332    0.519    0.029    2.984
2.984   -1.470    0.008
208L        -1.103   -1.097    0.571   -1.185    0.528    0.028    1.385
1.385   -1.185   -0.125
209S        -2.096   -1.067    0.337   -1.234    0.382    0.013    1.660
1.660   -2.096   -0.286
210V        -2.096   -2.019    0.356   -1.206    0.328    0.012    1.476
1.476   -2.096   -0.450
211A        -2.096   -2.426    0.375   -1.346    0.273    0.011    1.293
1.293   -2.426   -0.560
212L        -1.748   -2.540    0.337   -1.311    0.255    0.007    1.446
1.446   -2.540   -0.508
213F        -2.791   -2.660    0.206   -1.315    0.118    0.012    1.309
1.309   -2.791   -0.732
214F        -2.823   -1.995    0.318   -1.385    0.173    0.028    0.665
0.665   -2.823   -0.717
215V        -3.461   -1.917    0.178   -1.849    0.155    0.029    1.997
1.997   -3.461   -0.695
216W        -2.551   -1.821    0.459   -2.284    0.300    0.044    1.602
1.602   -2.551   -0.607
217M        -2.203   -1.492    0.403   -2.573    0.337    0.041    1.940
1.940   -2.573   -0.507
218I        -1.489   -1.582    0.468   -2.452    0.382    0.037    0.679
0.679   -2.452   -0.565
219T        -1.837   -1.664    0.524   -2.039    0.346    0.040    0.341
0.524   -2.039   -0.613
220V        -1.786   -2.360    0.421   -1.734    0.337    0.020    0.754
0.754   -2.360   -0.621
221A        -1.641   -2.360    0.683   -1.524    0.528    0.022    1.141
1.141   -2.360   -0.450
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222F         -1.716   -2.564    0.739   -1.506    0.556    0.026    1.254
1.254   -2.564   -0.459
223L         -2.279   -1.763    0.421   -1.657    0.392    0.007    1.802
1.802   -2.279   -0.439
224Y         -2.627   -0.931    0.459   -1.866    0.410    0.011    1.649
1.649   -2.627   -0.414
225L         -2.399   -0.639    0.449   -2.030    0.364    0.011    2.659
2.659   -2.399   -0.226
226V         -1.457    0.193    0.505   -2.181    0.364    0.007    2.408
2.408   -2.181   -0.023
227L         -1.141    0.193    0.580   -2.201    0.401    0.019    1.918
1.918   -2.201   -0.033
228G         -0.661   -0.106    0.318   -2.213    0.118   -0.001    1.586
1.586   -2.213   -0.137
229G         -0.313   -0.733    0.281   -2.242    0.100   -0.004    1.740
1.740   -2.242   -0.167
230M         -0.711   -0.528    0.421   -2.302    0.127    0.019    1.173
1.173   -2.302   -0.257
231G          0.003   -0.619    0.505   -2.325    0.118    0.014   -0.272
0.505   -2.325   -0.368
232V          0.003   -0.637    0.963   -2.345    0.802    0.608   -0.207
0.963   -2.345   -0.116
233W         -0.939    0.315    0.889   -2.399    0.856    0.614    0.228
0.889   -2.399   -0.062
234A         -0.231    1.427    1.197   -1.945    1.121    0.637    0.170
1.427   -1.945    0.339
235K         -0.180    1.331    1.356   -1.168    1.321    0.657    0.330
1.356   -1.168    0.521
236L          0.496    1.127    1.776    0.408    1.640    0.696   -0.372
1.776   -0.372    0.825
237N          0.895    1.870    1.636    1.766    1.613    0.673    0.194
1.870    0.194    1.235
238S          1.122    1.056    1.627    2.503    1.567    0.673    1.205
2.503    0.673    1.393
239N          1.394   -0.003    1.449    2.271    1.248    0.567    1.131
2.271   -0.003    1.151
240V          1.394   -0.003    1.449    1.410    1.248    0.567    1.131
1.449   -0.003    1.028
241G          0.370    0.702    1.066    0.316    0.948    0.532    1.679
1.679    0.316    0.802
242D          0.402    0.075    1.216    0.053    1.103    0.552    1.406
1.406    0.053    0.687
243L          0.402    0.391    1.216    0.334    1.103    0.552    1.406
1.406    0.334    0.772
244L          0.768    1.223    1.337    1.134    1.112    0.551   -0.193
1.337   -0.193    0.847
245N          0.819    2.283    1.496    2.098    1.312    0.571   -0.034
2.283   -0.034    1.221
246N          0.547    2.529    1.216    2.216    0.948    0.082   -0.024
2.529   -0.024    1.073
247A          1.540    1.920    1.449    1.964    1.093    0.097   -0.299
1.964   -0.299    1.109
248S          2.532    2.495    1.683    1.463    1.239    0.111   -0.575
2.532   -0.575    1.278
249G          2.222    1.435    1.384    1.029    0.929    0.071   -1.472
2.222   -1.472    0.800
250S          2.273    0.712    1.412    0.684    0.984    0.630   -1.385
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2.273   -1.385    0.758
251S         1.559    0.712    1.328    0.272    0.993    0.635    0.060
1.559    0.060    0.794
252A         0.914    0.712    1.057   -0.674    0.829    0.617    0.489
1.057   -0.674    0.563
253E         0.964    1.339    1.216   -1.237    1.030    0.637    0.649
1.339   -1.237    0.657
254L         0.964    1.255    1.216   -1.250    1.030    0.637    0.649
1.255   -1.250    0.643
255V         0.914    1.135    1.057   -0.704    0.829    0.617    0.489
1.135   -0.704    0.619
256S         1.110    1.056    1.253    0.111    0.984    0.636    1.540
1.540    0.111    0.956
257S         0.111    0.828    0.786    0.282    0.601    0.039    1.888
1.888    0.039    0.648
258G         0.111    0.600    0.804   -0.028    0.547    0.037    1.704
1.704   -0.028    0.539
259T         0.705   -0.028    0.917   -0.674    0.510    0.036    1.116
1.116   -0.674    0.369
260I         0.655   -0.693    0.758   -1.179    0.310    0.016    0.956
0.956   -1.179    0.117
261F         0.376   -0.572    0.608   -1.480    0.155   -0.004   -0.214
0.608   -1.480   -0.162
262G        -0.566   -0.723    0.552   -1.408    0.155    0.000    0.037
0.552   -1.408   -0.279
263G        -1.476   -0.723    0.272   -1.507    0.009   -0.015    0.431
0.431   -1.507   -0.430
264A        -1.476   -1.554    0.272   -1.558    0.009   -0.015    0.431
0.431   -1.558   -0.556
265F        -0.534   -1.650    0.328   -1.813    0.009   -0.019    0.180
0.328   -1.813   -0.500
266L        -1.476   -0.867    0.253   -2.103    0.063   -0.013    0.615
0.615   -2.103   -0.504
267I        -2.070   -0.987    0.141   -2.353    0.100   -0.012    1.203
1.203   -2.353   -0.568
268G        -1.761   -0.759    0.440   -1.959    0.410    0.029    2.101
2.101   -1.959   -0.214
269L        -1.685   -1.590    0.365   -1.469    0.437    0.026    2.171
2.171   -1.685   -0.249
270V        -1.337   -1.500    0.328   -0.729    0.419    0.023    2.325
2.325   -1.500   -0.067
271N        -1.413   -0.913    0.384   -0.525    0.446    0.026    2.438
2.438   -1.413    0.063
272I        -2.039   -1.522    0.384   -0.977    0.537    0.043    2.383
2.383   -2.039   -0.170
273V        -1.128   -1.402    0.664   -1.659    0.683    0.058    1.988
1.988   -1.659   -0.114
274L        -0.762   -1.306    0.786   -2.065    0.692    0.056    0.390
0.786   -2.065   -0.315
275M        -1.786   -0.611    0.403   -2.270    0.392    0.021    0.938
0.938   -2.270   -0.416
276T        -1.147   -0.821    0.543   -2.034    0.410    0.019   -0.394
0.543   -2.034   -0.489
277A        -0.585   -0.685    0.860   -1.853    0.574    0.038   -0.942
0.860   -1.853   -0.370
278L        -0.509   -0.685    0.804   -1.885    0.547    0.034   -1.055
0.804   -1.885   -0.393
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279A          0.117   -0.655    0.804   -1.810    0.455    0.017   -1.000
0.804   -1.810   -0.296
280T         -0.079   -0.751    0.608   -1.929    0.300   -0.003   -2.051
0.608   -2.051   -0.558
281I         -0.793   -1.648    0.543   -1.860    0.255    0.001   -0.790
0.543   -1.860   -0.613
282G         -0.446   -0.715    0.505   -1.832    0.237   -0.003   -0.636
0.505   -1.832   -0.413
283A         -0.698   -1.546    0.758   -1.611    0.474    0.017    0.706
0.758   -1.611   -0.272
284F         -0.585   -1.871    0.860   -1.071    0.629    0.037    0.553
0.860   -1.871   -0.207
285V         -0.661   -1.206    0.917   -0.452    0.656    0.041    0.666
0.917   -1.206   -0.006
286Y         -1.527   -0.570    0.786   -0.005    0.683    0.043    0.987
0.987   -1.527    0.057
287N         -1.331   -0.368    0.982    0.082    0.838    0.063    2.038
2.038   -1.331    0.329
288L         -0.117   -1.302    1.318   -0.116    1.203    0.547    1.778
1.778   -1.302    0.473
289I         -0.465   -0.470    1.356   -0.430    1.221    0.551    1.624
1.624   -0.470    0.484
290T         -0.850    0.481    0.963   -0.519    0.966    0.534    1.614
1.614   -0.850    0.456
291D         -0.932   -0.334    0.655   -0.831    0.610    0.493    1.727
1.727   -0.932    0.198
292L          0.010   -0.298    0.730   -1.183    0.556    0.488    1.293
1.293   -1.183    0.228
293I          0.010   -0.190    0.730   -1.780    0.556    0.488    1.293
1.293   -1.780    0.158
294G          0.174    0.626    0.860   -2.237    0.765    1.067    1.225
1.225   -2.237    0.354
295G         -0.692   -0.206    0.468   -2.531    0.437    0.580    1.823
1.823   -2.531   -0.017
296I          0.218   -0.833    0.748   -2.414    0.583    0.595    1.429
1.429   -2.414    0.047
297E          0.142    0.031    0.804   -2.238    0.610    0.598    1.542
1.542   -2.238    0.213
298V         -0.085    0.269    0.814   -1.974    0.656    0.598    0.532
0.814   -1.974    0.116
299T          0.187    0.904    1.094   -1.528    1.020    1.087    0.523
1.094   -1.528    0.470
300L          0.958    0.668    1.664   -1.188    1.513    1.710    0.200
1.710   -1.188    0.789
301A          1.097    1.127    1.608   -0.627    1.467    1.599    0.217
1.608   -0.627    0.927
302D          1.331    1.381    1.272   -0.165    1.795    1.658   -1.381
1.795   -1.381    0.842
303R          1.002    1.097    0.618    0.230    1.959    1.698   -2.432
1.959   -2.432    0.596
304D          1.584    0.538    0.244    0.355    2.269    1.753   -3.877
2.269   -3.877    0.409
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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]VTAPNEPGALSKGDGPNADGLVDRGGAHRAATGPGRIPDAGDPPPWQRAATRQS QAGHRQPPPVSHPEGRPTNPPAAADARLNRFISGASAPVTGPAAAVRTPQPDPDAS LGCGDGSPAEAYASELPDLSGPTPRAPQRNPAPARPAEGGAGSRGDSAAGSSGGRS ITAESRDARVQLSARRSRGPVRASMQIRRIDPWSTLKVSLLLSVALFFVWMITVAFL YLVLGGMGVWAKLNSNVGDLLNNASGSSAELVSSGTIFGGAFLIGLVNIVLMTAL ATIGAFVYNLITDLIGGIEVTLADRD[304]
Hydrophilicity	[1]VTAPNEPGALSKGDGPNADGLVDRGGAHRAATGPGRIPDAGDPPPWQRAATRQS QAGHRQPPPVSHPEGRPTNPPAAADARLNRFISGASAPVTGPAAAVRTPQPDPDAS LGCGDGSPAEAYASELPDLSGPTPRAPQRNPAPARPAEGGAGSRGDSAAGSSGGRS ITAESRDARVQLSARRSRGPVRASMQIRRIDPWSTLKVSLLLSVALFFVWMITVAFL YLVLGGMGVWAKLNSNVGDLLNNASGSSAELVSSGTIFGGAFLIGLVNIVLMTAL ATIGAFVYNLITDLIGGIEVTLADRD[304]
Flexibility	[1]VTAPNEPGALSKGDGPNADGLVDRGGAHRAATGPGRIPDAGDPPPWQRAATRQS QAGHRQPPPVSHPEGRPTNPPAAADARLNRFISGASAPVTGPAAAVRTPQPDPDAS LGCGDGSPAEAYASELPDLSGPTPRAPQRNPAPARPAEGGAGSRGDSAAGSSGGRS ITAESRDARVQLSARRSRGPVRASMQIRRIDPWSTLKVSLLLSVALFFVWMITVAFL YLVLGGMGVWAKLNSNVGDLLNNASGSSAELVSSGTIFGGAFLIGLVNIVLMTAL ATIGAFVYNLITDLIGGIEVTLADRD[304]
Accessibility	[1]VTAPNEPGALSKGDGPNADGLVDRGGAHRAATGPGRIPDAGDPPPWQRAATRQS QAGHRQPPPVSHPEGRPTNPPAAADARLNRFISGASAPVTGPAAAVRTPQPDPDAS LGCGDGSPAEAYASELPDLSGPTPRAPQRNPAPARPAEGGAGSRGDSAAGSSGGRS ITAESRDARVQLSARRSRGPVRASMQIRRIDPWSTLKVSLLLSVALFFVWMITVAFL YLVLGGMGVWAKLNSNVGDLLNNASGSSAELVSSGTIFGGAFLIGLVNIVLMTAL ATIGAFVYNLITDLIGGIEVTLADRD[304]
Turns	[1]VTAPNEPGALSKGDGPNADGLVDRGGAHRAATGPGRIPDAGDPPPWQRAATRQS QAGHRQPPPVSHPEGRPTNPPAAADARLNRFISGASAPVTGPAAAVRTPQPDPDAS LGCGDGSPAEAYASELPDLSGPTPRAPQRNPAPARPAEGGAGSRGDSAAGSSGGRS ITAESRDARVQLSARRSRGPVRASMQIRRIDPWSTLKVSLLLSVALFFVWMITVAFL YLVLGGMGVWAKLNSNVGDLLNNASGSSAELVSSGTIFGGAFLIGLVNIVLMTAL ATIGAFVYNLITDLIGGIEVTLADRD[304]

Exposed Surface	[1]VTAPNEPGALSKGDGPNADGLVDRGGAHRAATGPGRIPDAGDPPPWQRAATRQS QAGHRQPPPVSHPEGRPTNPPAAADARLNRFISGASAPVTGPAAAVRTPQPDPDAS LGCGDGSPAEAYASELPDLSGPTPRAPQRNPAPARPAEGGAGSRGDSAAGSSGGRS ITAESRDARVQLSARRSRGPVRASMQIRRIDPWSTLKVSLLLSVALFFVWMITVAFL YLVLGGMGVWAKLNSNVGDLLNNASGSSAELVSSGTIFGGAFLIGLVNIVLMTAL ATIGAFVYNLITDLIGGIEVTLADRD[304]
Polarity	[1]VTAPNEPGALSKGDGPNADGLVDRGGAHRAATGPGRIPDAGDPPPWQRAATRQS QAGHRQPPPVSHPEGRPTNPPAAADARLNRFISGASAPVTGPAAAVRTPQPDPDAS LGCGDGSPAEAYASELPDLSGPTPRAPQRNPAPARPAEGGAGSRGDSAAGSSGGRS ITAESRDARVQLSARRSRGPVRASMQIRRIDPWSTLKVSLLLSVALFFVWMITVAFL YLVLGGMGVWAKLNSNVGDLLNNASGSSAELVSSGTIFGGAFLIGLVNIVLMTAL ATIGAFVYNLITDLIGGIEVTLADRD[304]
Antigenic Propensity	[1]VTAPNEPGALSKGDGPNADGLVDRGGAHRAATGPGRIPDAGDPPPWQRAATRQS QAGHRQPPPVSHPEGRPTNPPAAADARLNRFISGASAPVTGPAAAVRTPQPDPDAS LGCGDGSPAEAYASELPDLSGPTPRAPQRNPAPARPAEGGAGSRGDSAAGSSGGRS ITAESRDARVQLSARRSRGPVRASMQIRRIDPWSTLKVSLLLSVALFFVWMITVAFL YLVLGGMGVWAKLNSNVGDLLNNASGSSAELVSSGTIFGGAFLIGLVNIVLMTAL ATIGAFVYNLITDLIGGIEVTLADRD[304]

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