BcePred Prediction Server

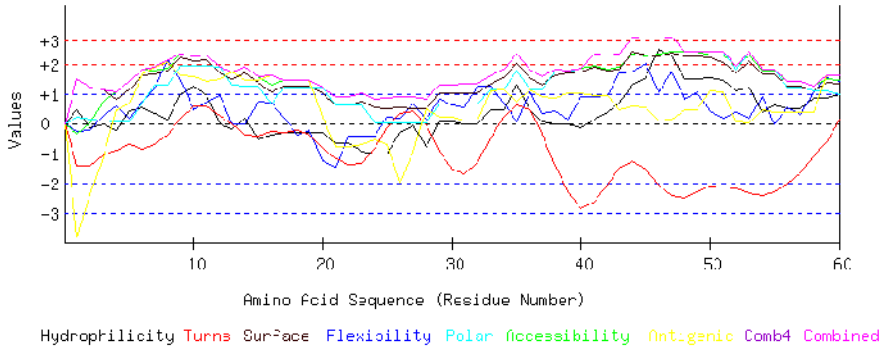
The server displays 1.GRAPHICAL RESULT 2.TABULAR RESULT 3.Overlap Display

seqname=
Seq= MATTLPVQRHPRSLFPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGV
DPDKDVDIMVRDGQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGADEDDIKATYDKG
ILTVSVAVSEGKPTEKHIQIRSTN

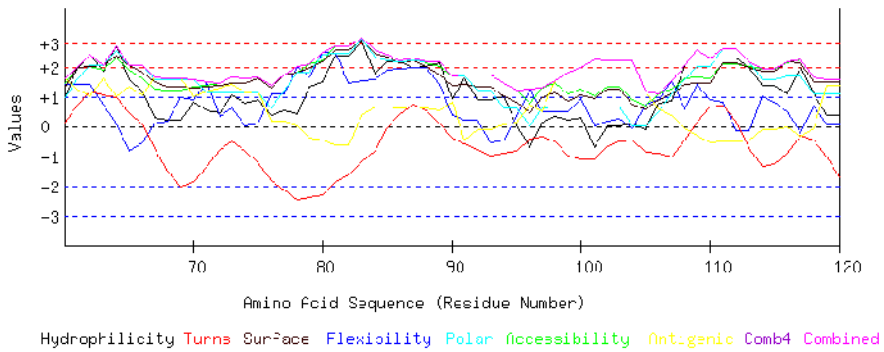
Length=144

GRAPHICAL RESULT

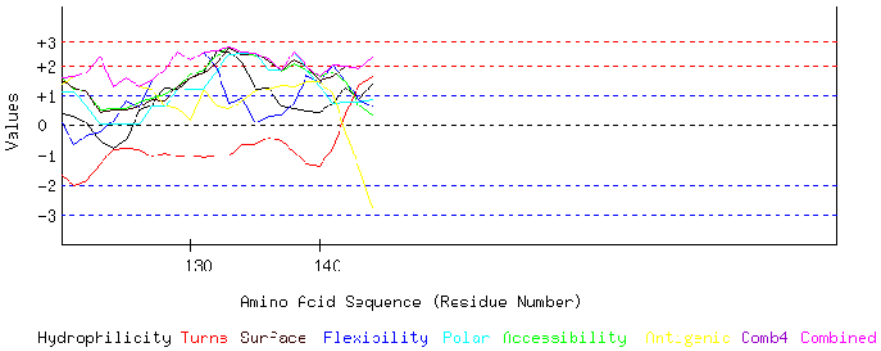
GRAPHICAL RESULT :: SEQ 1 to 60



GRAPHICAL RESULT :: SEQ 61 to 120



GRAPHICAL RESULT :: SEQ 121 to 180



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

MATTLPVQRHPRSLFPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGV
DPDKDVDIMVRDGQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGADEDDIKATYDKG
ILTVSVAVSEGKPTEKHIQIRSTN

Length=144

A.A. ppppppppppppppppppppppppppppppp Parameter ppppppppppppppppppppppppppppppppp Combined

		Hydro	Flexi	Access	Turns	Surface	Polar	AntiPro	MAX	MIN	AVG
1	M	0.446	-0.252	-0.345	-1.431	1.513	0.207	-3.832	1.513	-3.832	-0.528
2	A	-0.136	-0.234	0.029	-1.412	1.203	0.152	-2.387	1.203	-2.387	-0.398
3	T	-0.003	0.257	0.730	-1.056	1.157	0.111	-1.157	1.157	-1.157	0.006
4	T	-0.237	0.580	1.066	-0.886	0.829	0.053	0.442	1.066	-0.886	0.264
5	L	0.408	0.179	1.403	-0.715	1.157	0.078	0.660	1.403	-0.715	0.453
6	P	0.541	0.742	1.832	-0.877	1.631	0.703	1.669	1.832	-0.877	0.892
7	V	0.345	1.197	1.795	-0.692	1.649	1.303	1.896	1.896	-0.692	1.070
8	Q	0.149	2.148	1.842	-0.400	1.768	1.302	2.075	2.148	-0.400	1.269
9	R	0.996	1.453	2.356	0.162	2.233	1.921	1.639	2.356	0.162	1.537
10	H	1.274	0.465	2.262	0.582	2.114	1.922	1.579	2.262	0.465	1.457
11	P	0.926	0.734	2.300	0.600	2.132	1.926	1.425	2.300	0.600	1.435
12	R	-0.035	0.950	1.907	0.254	1.713	1.888	1.513	1.907	-0.035	1.170
13	S	-0.167	-0.038	1.720	-0.020	1.513	1.282	1.734	1.734	-0.167	0.861
14	L	0.193	-0.038	1.889	-0.363	1.704	1.262	1.440	1.889	-0.363	0.870
15	F	-0.521	0.742	1.580	-0.436	1.385	1.247	1.472	1.580	-0.521	0.781
16	P	-0.376	0.712	1.300	-0.248	1.066	0.642	1.632	1.632	-0.376	0.676
17	E	-0.294	0.179	1.477	-0.294	1.276	1.222	1.446	1.477	-0.294	0.716
18	F	-0.294	-0.396	1.477	-0.237	1.276	1.222	1.446	1.477	-0.396	0.642
19	S	-0.294	-0.222	1.477	-0.396	1.276	1.222	1.446	1.477	-0.396	0.644
20	E	-0.294	-1.252	1.234	-0.816	1.002	1.203	0.216	1.234	-1.252	0.185
21	L	-0.654	-1.468	0.907	-1.183	0.638	0.603	-0.768	0.907	-1.468	-0.275
22	F	-0.654	-0.408	0.907	-1.390	0.638	0.603	-0.768	0.907	-1.390	-0.153
23	A	-0.932	-0.408	1.001	-1.344	0.756	0.602	-0.707	1.001	-1.344	-0.148
24	A	-1.015	-0.408	0.823	-0.818	0.547	0.023	-0.521	0.823	-1.015	-0.196
25	F	-1.015	0.219	0.842	-0.139	0.492	0.022	-0.705	0.842	-1.015	-0.041
26	P	-0.300	0.189	0.907	0.344	0.537	0.017	-1.966	0.907	-1.966	-0.039
27	S	-0.073	0.644	0.898	0.427	0.492	0.017	-0.956	0.898	-0.956	0.207
28	F	-0.787	0.147	0.814	-0.080	0.501	0.023	0.489	0.814	-0.787	0.158
29	A	0.060	0.812	1.309	-0.938	1.020	0.643	0.237	1.309	-0.938	0.449
30	G	0.060	0.638	1.309	-1.526	1.020	0.643	0.237	1.309	-1.526	0.340
31	L	-0.022	0.550	1.356	-1.694	1.020	0.643	0.118	1.356	-1.694	0.282
32	R	-0.022	1.245	1.356	-1.309	1.020	0.643	0.118	1.356	-1.309	0.436
33	P	0.477	1.245	1.627	-0.510	1.339	1.132	1.119	1.627	-0.510	0.919
34	T	0.446	0.682	1.832	0.224	1.540	1.152	1.160	1.832	0.224	1.005
35	F	1.293	0.077	2.346	0.612	2.005	1.771	0.724	2.346	0.077	1.261
36	D	0.446	1.064	1.832	0.472	1.540	1.152	1.160	1.832	0.446	1.095
37	T	0.048	0.321	1.580	-0.348	1.312	1.150	0.884	1.580	-0.348	0.707
38	R	-0.016	0.405	1.814	-1.404	1.631	1.755	0.843	1.814	-1.404	0.718
39	L	-0.016	0.131	1.795	-2.305	1.686	1.756	1.027	1.795	-2.305	0.582
40	M	-0.155	0.910	1.851	-2.849	1.731	1.867	1.009	1.867	-2.849	0.623

41 R	0.149	0.910	1.926	-2.619	1.895	2.336	0.960	2.336	-2.619	0.794
42 L	0.376	0.928	1.823	-2.074	1.786	2.311	0.934	2.311	-2.074	0.869
43 E	0.692	1.708	1.898	-1.486	1.823	2.322	0.444	2.322	-1.486	1.057
44 D	1.318	1.760	2.356	-1.274	2.415	2.900	0.564	2.900	-1.274	1.434
45 E	1.546	2.034	2.253	-1.555	2.306	2.875	0.539	2.875	-1.555	1.428
46 M	2.488	1.052	2.328	-2.078	2.251	2.869	0.104	2.869	-2.078	1.288
47 K	2.260	1.742	2.431	-2.402	2.360	2.894	0.130	2.894	-2.402	1.345
48 E	1.508	0.814	2.412	-2.482	2.278	2.425	0.471	2.425	-2.482	1.061
49 G	1.508	1.052	2.412	-2.296	2.278	2.425	0.471	2.425	-2.296	1.121
50 R	1.540	0.425	2.300	-2.114	2.224	2.409	1.114	2.409	-2.114	1.128
51 Y	1.445	0.187	2.281	-2.121	2.060	2.439	1.049	2.439	-2.121	1.048
52 E	1.084	0.389	1.954	-2.179	1.695	1.840	0.065	1.954	-2.179	0.693
53 V	1.217	0.173	2.290	-2.336	2.105	2.439	0.038	2.439	-2.336	0.847
54 R	0.370	0.896	1.776	-2.413	1.640	1.820	0.474	1.820	-2.413	0.652
55 A	0.623	-0.013	1.767	-2.303	1.677	1.820	0.362	1.820	-2.303	0.562
56 E	0.490	0.525	1.431	-2.019	1.267	1.220	0.388	1.431	-2.019	0.472
57 L	0.490	0.309	1.431	-1.651	1.267	1.220	0.388	1.431	-1.651	0.493
58 P	0.857	1.052	1.272	-1.112	1.112	1.084	0.380	1.272	-1.112	0.664
59 G	0.857	1.525	1.515	-0.604	1.385	1.103	1.610	1.610	-0.604	1.056
60 V	0.996	1.437	1.459	0.140	1.339	0.993	1.628	1.628	0.140	1.142
61 D	1.938	1.437	1.991	0.705	1.968	1.582	1.258	1.991	0.705	1.554
62 P	2.437	1.437	2.019	1.171	2.014	2.052	1.029	2.437	1.029	1.737
63 D	1.843	0.754	1.907	1.043	2.050	2.053	1.617	2.053	0.754	1.610
64 K	2.709	0.101	2.300	0.980	2.379	2.541	1.020	2.709	0.101	1.718
65 D	1.571	-0.827	1.889	0.446	2.041	2.054	1.350	2.054	-0.827	1.218
66 V	1.173	-0.552	1.636	0.063	1.813	2.052	1.075	2.052	-0.552	1.037
67 D	0.307	0.083	1.244	-0.754	1.485	1.564	1.673	1.673	-0.754	0.800
68 I	0.212	0.171	1.225	-1.500	1.321	1.594	1.607	1.607	-1.500	0.662
69 M	0.212	0.986	1.225	-2.036	1.321	1.594	1.607	1.607	-2.036	0.701
70 V	0.806	0.896	1.337	-1.877	1.285	1.593	1.019	1.593	-1.877	0.723
71 R	0.553	1.483	1.393	-1.325	1.339	1.146	1.191	1.483	-1.325	0.826
72 D	0.477	0.345	1.449	-0.760	1.367	1.150	1.304	1.449	-0.760	0.762
73 G	1.072	0.638	1.655	-0.483	1.476	1.153	1.400	1.655	-0.483	0.987
74 Q	0.800	0.011	1.636	-0.838	1.467	1.153	1.133	1.636	-0.838	0.766
75 L	0.895	0.095	1.655	-1.220	1.631	1.123	1.199	1.655	-1.220	0.768
76 T	0.395	1.113	1.384	-1.830	1.312	0.634	0.198	1.384	-1.830	0.458
77 I	0.528	1.113	1.720	-2.155	1.722	1.234	0.171	1.722	-2.155	0.619
78 K	0.414	2.012	1.823	-2.476	1.823	1.816	0.007	2.012	-2.476	0.774
79 A	1.325	1.672	2.103	-2.388	1.968	1.830	-0.387	2.103	-2.388	0.875
80 E	1.489	2.503	2.234	-2.294	2.178	2.410	-0.454	2.503	-2.294	1.152
81 R	2.374	2.467	2.702	-1.875	2.570	2.451	-0.613	2.702	-1.875	1.439
82 T	2.374	1.479	2.702	-1.634	2.570	2.451	-0.613	2.702	-1.634	1.333
83 E	2.874	1.527	2.973	-1.189	2.889	2.940	0.388	2.973	-1.189	1.772
84 Q	1.799	1.579	2.580	-0.824	2.479	2.344	0.666	2.580	-0.824	1.518
85 K	2.166	1.902	2.421	-0.067	2.324	2.208	0.658	2.421	-0.067	1.659
86 D	2.197	1.926	2.216	0.430	2.123	2.189	0.617	2.216	0.430	1.671
87 F	1.970	1.962	2.318	0.731	2.233	2.214	0.643	2.318	0.643	1.724
88 D	2.001	1.962	2.141	0.543	2.014	2.191	0.639	2.191	0.543	1.642
89 G	2.134	1.423	2.019	0.087	1.741	2.196	0.548	2.196	0.087	1.450
90 R	0.920	0.389	1.683	-0.365	1.376	1.711	0.808	1.711	-0.365	0.932
91 S	1.634	0.203	1.748	-0.594	1.422	1.707	-0.453	1.748	-0.594	0.810
92 E	0.882	0.203	1.730	-0.776	1.339	1.238	-0.112	1.730	-0.776	0.643
93 F	0.882	-0.546	1.730	-0.991	1.339	1.238	-0.112	1.730	-0.991	0.506
94 A	1.028	-0.468	1.449	-0.911	1.020	0.633	0.049	1.449	-0.911	0.400
95 Y	0.035	0.345	1.234	-0.826	0.820	0.617	0.140	1.234	-0.826	0.338
96 G	-0.692	1.243	0.786	-0.409	0.446	0.019	0.755	1.243	-0.692	0.307
97 S	0.155	0.519	1.281	-0.345	0.966	0.640	0.503	1.281	-0.345	0.531
98 F	0.351	0.519	1.477	-0.482	1.121	0.660	1.554	1.554	-0.482	0.743
99 V	0.237	0.489	1.103	-0.996	0.875	0.642	1.810	1.810	-0.996	0.594
100R	0.288	0.944	1.262	-1.090	1.075	0.662	1.970	1.970	-1.090	0.730
101T	-0.705	0.035	1.029	-1.104	0.929	0.647	2.245	2.245	-1.104	0.440
102V	0.010	0.171	1.337	-0.661	1.248	0.662	2.214	2.214	-0.661	0.712
103S	0.010	0.267	1.337	-0.487	1.248	0.662	2.214	2.214	-0.487	0.750
104L	0.104	-0.050	0.898	-0.460	0.729	0.037	2.215	2.215	-0.460	0.496
105P	-0.092	0.730	0.702	-0.858	0.574	0.017	1.164	1.164	-0.858	0.320
106V	0.775	0.910	1.094	-0.888	0.902	0.505	0.566	1.094	-0.888	0.552
107G	0.857	1.545	1.272	-1.037	1.112	1.084	0.380	1.545	-1.037	0.745
108A	2.071	0.594	1.627	-0.466	1.422	1.568	-0.064	2.071	-0.466	0.964
109D	2.570	1.425	1.655	0.138	1.467	2.038	-0.292	2.570	-0.292	1.286
110E	2.298	0.886	1.636	0.673	1.458	2.038	-0.560	2.298	-0.560	1.204
111D	2.298	0.802	2.094	0.692	2.142	2.633	-0.495	2.633	-0.495	1.452
112D	2.298	-0.144	2.094	0.168	2.142	2.633	-0.495	2.633	-0.495	1.242
113I	1.995	-0.144	2.019	-0.760	1.977	2.164	-0.445	2.164	-0.760	0.972
114K	1.382	1.012	1.945	-1.338	1.850	1.583	-0.087	1.945	-1.338	0.907
115A	1.382	0.808	1.945	-1.250	1.850	1.583	-0.087	1.945	-1.250	0.890
116T	1.110	0.483	2.122	-0.881	2.169	1.689	-0.013	2.169	-0.881	0.954
117Y	1.976	-0.212	2.253	-0.315	2.142	1.687	-0.334	2.253	-0.334	1.028
118D	1.110	0.686	1.664	-0.455	1.485	1.094	-0.077	1.664	-0.455	0.787
119K	0.395	0.051	1.580	-1.002	1.494	1.100	1.368	1.580	-1.002	0.712
120G	0.395	0.075	1.580	-1.703	1.494	1.100	1.368	1.580	-1.703	0.616
121I	0.281	-0.649	1.206	-2.038	1.248	1.082	1.624	1.624	-2.038	0.394
122L	0.060	-0.324	1.085	-1.841	1.084	0.613	1.793	1.793	-1.841	0.353
123T	-0.534	-0.216	0.515	-1.297	0.437	0.020	2.317	2.317	-1.297	0.177
124V	-0.762	0.149	0.524	-0.839	0.483	0.020	1.306	1.306	-0.839	0.126
125S	-0.490	0.820	0.543	-0.778	0.492	0.020	1.573	1.573	-0.778	0.311
126V	0.503	0.592	0.776	-0.806	0.638	0.035	1.298	1.298	-0.806	0.434
127A	0.667	1.519	0.907	-1.059	0.847	0.614	1.231	1.519	-1.059	0.675
128V	1.261	1.878	1.019	-0.932	0.811	0.613	0.643	1.878	-0.932	0.756
129S	1.211	2.465	1.318	-1.050	1.294	1.187	0.548	2.465	-1.050	0.996
130E	1.578	2.184	1.683	-1.019	1.576	1.205	0.179	2.184	-1.019	1.055
131G	1.774	2.441	1.879	-1.116	1.731	1.225	1.230	2.441	-1.116	1.309
132K	2.501	1.904	2.328	-1.015	2.105	1.823	0.615	2.501	-1.015	1.466
133P	2.450	0.748	2.627	-1.024	2.588	2.397	0.520	2.627	-1.024	1.472
134T	2.090	0.880	2.459	-0.668	2.397	2.417	0.814	2.459	-0.668	1.484
135E	1.224	0.065	2.328	-0.676	2.424	2.419	1.135	2.424	-0.676	1.274
136K	1.242	0.303	2.206	-0.410	2.160	1.867	1.234	2.206	-0.410	1.229
137H	0.604	0.327	1.823	-0.555	1.868	1.850	1.335	1.868	-0.555	1.036
138I	0.541	0.728	2.057	-0.894	2.187	2.455	1.294	2.455	-0.894	1.195
139Q	0.459	1.662	1.879	-1.317	1.977	1.875	1.480	1.977	-1.317	1.145
140I	0.427	1.425	1.627	-1.380	1.494	1.300	1.456	1.627	-1.380	0.907
141R	0.737	2.004	1.767	-0.785	1.631	0.721	1.075	2.004	-0.785	1.021
142S	1.242	1.445	1.449	0.377	1.968	0.779	-0.257	1.968	-0.257	1.001
143T	0.863	0.844	0.664	1.335	1.914	0.797	-1.430	1.914	-1.430	0.712
144N	1.369	0.608	0.346	1.633	2.251	0.855	-2.762	2.251	-2.762	0.614

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]MATTLPVQRHPRSLFPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGVDPDKDVDIMVRDGQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGADEDDIKATYDKGILTVSVAVSEGKPT
Hydrophilicity	[1]MATTLPVQRHPRSLFPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGVDPDKDVDIMVRDGQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGADEDDIKATYDKGILTVSVAVSEGKPT
Flexibility	[1]MATTLPVQRHPRSLFPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGVDPDKDVDIMVRDGQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGADEDDIKATYDKGILTVSVAVSEGKPT
Accessibility	[1]MATTLPVQRHPRSLFPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGVDPDKDVDIMVRDGQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGADEDDIKATYDKGILTVSVAVSEGKPT
Turns	[1]MATTLPVQRHPRSLFPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGVDPDKDVDIMVRDGQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGADEDDIKATYDKGILTVSVAVSEGKPT
Exposed Surface	[1]MATTLPVQRHPRSLFPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGVDPDKDVDIMVRDGQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGADEDDIKATYDKGILTVSVAVSEGKPT
Polarity	[1]MATTLPVQRHPRSLFPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGVDPDKDVDIMVRDGQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGADEDDIKATYDKGILTVSVAVSEGKPT
Antigenic Propensity	[1]MATTLPVQRHPRSLFPEFSELFAAFPSFAGLRPTFDTRLMRLEDEMKEGRYEVRAELPGVDPDKDVDIMVRDGQLTIKAERTEQKDFDGRSEFAYGSFVRTVSLPVGADEDDIKATYDKGILTVSVAVSEGKPT

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