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NetSurfP - Protein Surface Accessibility and Secondary Structure Predictions Technical University of Denmark

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# For publication of results, please cite:
# A generic method for assignment of reliability scores applied to solvent accessibility
predictions.
# Bent Petersen, Thomas Nordahl Petersen, Pernille Andersen, Morten Nielsen and Claus
Lundegaard
# BMC Structural Biology 2009, 9:51 doi:10.1186/1472-6807-9-51
# Column 1: Class assignment - B for buried or E for Exposed - Threshold: 25% exposure,
but not based on RSA
# Column 2: Amino acid
# Column 3: Sequence name
# Column 4: Amino acid number
# Column 5: Relative Surface Accessibility - RSA
# Column 6: Absolute Surface Accessibility
# Column 7: Z-fit score for RSA prediction
# Column 8: Probability for Alpha-Helix
# Column 9: Probability for Beta-strand
# Column 10: Probability for Coil
E M sp A6NFH5 Fatty
                                0.695 \ 139.070 \ -0.428
                                                        0.003
                                                                0.003
                                                                       0.994
E I sp A6NFH5 Fatty
                                0.294 54.372 -0.589
                                                        0.018
                                                                0.088
                                                                       0.893
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E D	sp_A6NFH5_Fatty	3	0.646	93.117	-0.435	0.056	0.142	0.802
ΕQ	sp_A6NFH5_Fatty	4	0.508	90.711	-0.571	0.056	0.142	0.802
ВL	sp_A6NFH5_Fatty	5	0.167	30.578	-0.471	0.020	0.205	0.775
ΕQ	sp_A6NFH5_Fatty	6	0.447	79.763	-0.777	0.021	0.279	0.699
ВG	sp_A6NFH5_Fatty	7	0.224	17.597	-0.639	0.023	0.655	0.322
EТ	sp_A6NFH5_Fatty	8	0.476	65.993	1.522	0.001	0.900	0.099
ВW	sp_A6NFH5_Fatty	9	0.155	37.278	0.997	0.001	0.900	0.099
ΕK	sp_A6NFH5_Fatty	10	0.511	105.030	1.414	0.001	0.959	0.040
B S	sp_A6NFH5_Fatty	11	0.200	23.428	0.591	0.001	0.900	0.099
ΕI	sp_A6NFH5_Fatty	12	0.479	88.522	0.605	0.003	0.718	0.279
E S	sp_A6NFH5_Fatty	13	0.581	68.081	0.560	0.004	0.420	0.576
E C	sp_A6NFH5_Fatty	14	0.448	62.885	0.056	0.019	0.141	0.840
ΕE	sp_A6NFH5_Fatty	15	0.625	109.188	0.044	0.053	0.043	0.903
E N	sp_A6NFH5_Fatty	16	0.400	58.633	0.542	0.018	0.019	0.964
B S	sp_A6NFH5_Fatty	17	0.102	11.966	0.955	0.858	0.002	0.139
E E	sp_A6NFH5_Fatty	18	0.482	84.258	0.988	0.923	0.002	0.076
E D	sp_A6NFH5_Fatty	19	0.583	83.953	1.412	0.970	0.001	0.030
ВУ	sp_A6NFH5_Fatty	20	0.109	23.208	1.115	0.970	0.001	0.030
вМ	sp_A6NFH5_Fatty	21	0.078	15.528	0.772	0.970	0.001	0.030
E K	sp_A6NFH5_Fatty	22	0.630	129.673	1.703	0.923	0.002	0.076
ΕE	sp_A6NFH5_Fatty	23	0.515	89.918	0.769	0.858	0.002	0.139
ВL	sp_A6NFH5_Fatty	24	0.169	30.871	1.529	0.502	0.002	0.495
E G	sp_A6NFH5_Fatty	25	0.679	53.429	-1.176	0.018	0.019	0.964
вІ	sp_A6NFH5_Fatty	26	0.132	24.457	1.475	0.018	0.019	0.964
E G	sp_A6NFH5_Fatty	27	0.468	36.839	-0.260	0.181	0.016	0.803
E R	sp_A6NFH5_Fatty	28	0.395	90.363	0.582	0.923	0.002	0.076
E A	sp_A6NFH5_Fatty	29	0.350	38.570	-0.660	0.938	0.007	0.055
B S	sp_A6NFH5_Fatty	30	0.149	17.451	1.001	0.938	0.007	0.055

B R	sp_A6NFH5_Fatty	31	0.196	44.815	0.793	0.938	0.007	0.055
ΕK	sp_A6NFH5_Fatty	32	0.460	94.560	1.468	0.879	0.010	0.111
ВL	sp_A6NFH5_Fatty	33	0.146	26.641	0.888	0.782	0.003	0.216
ВG	sp_A6NFH5_Fatty	34	0.060	4.738	-0.124	0.694	0.003	0.303
E R	sp_A6NFH5_Fatty	35	0.459	105.088	0.076	0.502	0.002	0.495
E L	sp_A6NFH5_Fatty	36	0.417	76.389	-0.704	0.339	0.016	0.645
вА	sp_A6NFH5_Fatty	37	0.117	12.937	-0.690	0.053	0.043	0.903
ΕK	sp_A6NFH5_Fatty	38	0.467	96.082	0.638	0.005	0.045	0.951
ВР	sp_A6NFH5_Fatty	39	0.154	21.824	-0.026	0.004	0.138	0.858
EТ	sp_A6NFH5_Fatty	40	0.454	63.011	0.906	0.003	0.718	0.279
вV	sp_A6NFH5_Fatty	41	0.121	18.613	1.310	0.001	0.959	0.040
ЕТ	sp_A6NFH5_Fatty	42	0.334	46.395	1.247	0.001	0.959	0.040
вІ	sp_A6NFH5_Fatty	43	0.052	9.694	1.267	0.000	0.983	0.017
E S	sp_A6NFH5_Fatty	44	0.388	45.462	1.167	0.000	0.983	0.017
ЕТ	sp_A6NFH5_Fatty	45	0.285	39.529	1.075	0.001	0.959	0.040
E D	sp_A6NFH5_Fatty	46	0.566	81.589	0.801	0.004	0.420	0.576
E G	sp_A6NFH5_Fatty	47	0.703	55.326	-1.042	0.003	0.003	0.994
E D	sp_A6NFH5_Fatty	48	0.639	92.051	-0.248	0.004	0.085	0.910
E V	sp_A6NFH5_Fatty	49	0.466	71.640	1.448	0.001	0.900	0.099
вІ	sp_A6NFH5_Fatty	50	0.085	15.651	1.116	0.001	0.959	0.040
EТ	sp_A6NFH5_Fatty	51	0.298	41.360	1.507	0.001	0.959	0.040
вІ	sp_A6NFH5_Fatty	52	0.076	14.041	0.545	0.001	0.959	0.040
E K	sp_A6NFH5_Fatty	53	0.291	59.797	1.067	0.001	0.959	0.040
вт	sp_A6NFH5_Fatty	54	0.168	23.302	-0.158	0.001	0.900	0.099
E K	sp_A6NFH5_Fatty	55	0.411	84.502	0.235	0.001	0.959	0.040
вѕ	sp_A6NFH5_Fatty	56	0.126	14.767	-0.725	0.002	0.816	0.182
ΕI	sp_A6NFH5_Fatty	57	0.457	84.619	-1.392	0.004	0.197	0.799
E F	sp_A6NFH5_Fatty	58	0.470	94.369	-1.518	0.005	0.262	0.733

E K	sp_A6NFH5_Fatty	59	0.426	87.669	0.383	0.003	0.718	0.279
E N	sp_A6NFH5_Fatty	60	0.446	65.294	-0.974	0.001	0.900	0.099
E N	sp_A6NFH5_Fatty	61	0.279	40.904	1.182	0.001	0.959	0.040
E E	sp_A6NFH5_Fatty	62	0.389	67.958	-0.209	0.001	0.900	0.099
вІ	sp_A6NFH5_Fatty	63	0.145	26.825	1.173	0.001	0.900	0.099
E S	sp_A6NFH5_Fatty	64	0.435	51.005	0.855	0.001	0.959	0.040
ВF	sp_A6NFH5_Fatty	65	0.092	18.484	0.884	0.001	0.900	0.099
E K	sp_A6NFH5_Fatty	66	0.503	103.549	1.315	0.001	0.900	0.099
ВL	sp_A6NFH5_Fatty	67	0.239	43.761	0.276	0.004	0.616	0.381
E G	sp_A6NFH5_Fatty	68	0.443	34.903	-0.039	0.018	0.088	0.893
ΕE	sp_A6NFH5_Fatty	69	0.495	86.564	1.113	0.020	0.205	0.775
ΕE	sp_A6NFH5_Fatty	70	0.545	95.212	0.809	0.021	0.756	0.223
B F	sp_A6NFH5_Fatty	71	0.138	27.737	0.869	0.021	0.756	0.223
E E	sp_A6NFH5_Fatty	72	0.493	86.057	0.048	0.023	0.655	0.322
E E	sp_A6NFH5_Fatty	73	0.342	59.817	-0.134	0.022	0.552	0.426
ΕI	sp_A6NFH5_Fatty	74	0.506	93.610	-0.373	0.021	0.451	0.528
ЕT	sp_A6NFH5_Fatty	75	0.309	42.803	0.111	0.020	0.205	0.775
ВР	sp_A6NFH5_Fatty	76	0.222	31.431	-0.799	0.018	0.088	0.893
E G	sp_A6NFH5_Fatty	77	0.688	54.106	0.099	0.018	0.047	0.935
E G	sp_A6NFH5_Fatty	78	0.486	38.217	-1.340	0.019	0.141	0.840
ЕН	sp_A6NFH5_Fatty	79	0.431	78.399	0.601	0.004	0.420	0.576
E K	sp_A6NFH5_Fatty	80	0.543	111.613	1.199	0.003	0.718	0.279
вт	sp_A6NFH5_Fatty	81	0.126	17.518	0.990	0.001	0.900	0.099
E K	sp_A6NFH5_Fatty	82	0.349	71.728	0.627	0.001	0.900	0.099
B S	sp_A6NFH5_Fatty	83	0.074	8.731	-0.935	0.001	0.959	0.040
E K	sp_A6NFH5_Fatty	84	0.265	54.469	1.071	0.001	0.959	0.040
вV	sp_A6NFH5_Fatty	85	0.046	7.024	0.930	0.001	0.959	0.040
вт	sp_A6NFH5_Fatty	86	0.260	36.020	0.373	0.001	0.959	0.040

ВL	sp_A6NFH5_Fatty	87	0.161	29.497	0.388	0.001	0.900	0.099
E D	sp_A6NFH5_Fatty	88	0.548	78.981	0.140	0.004	0.616	0.381
ΕK	sp_A6NFH5_Fatty	89	0.742	152.650	-1.267	0.003	0.003	0.994
ΕE	sp_A6NFH5_Fatty	90	0.652	113.852	-1.561	0.003	0.003	0.994
E S	sp_A6NFH5_Fatty	91	0.370	43.411	0.713	0.004	0.616	0.381
ВL	sp_A6NFH5_Fatty	92	0.153	27.959	0.796	0.001	0.900	0.099
вІ	sp_A6NFH5_Fatty	93	0.197	36.519	1.308	0.001	0.959	0.040
ВQ	sp_A6NFH5_Fatty	94	0.157	28.076	0.826	0.001	0.959	0.040
вV	sp_A6NFH5_Fatty	95	0.157	24.069	1.191	0.001	0.959	0.040
ΕQ	sp_A6NFH5_Fatty	96	0.296	52.830	0.112	0.001	0.900	0.099
E D	sp_A6NFH5_Fatty	97	0.505	72.771	0.356	0.004	0.616	0.381
E W	sp_A6NFH5_Fatty	98	0.410	98.581	-0.890	0.004	0.085	0.910
E D	sp_A6NFH5_Fatty	99	0.862	124.157	0.107	0.005	0.015	0.979
E G	sp_A6NFH5_Fatty	100	0.750	59.017	-0.603	0.005	0.015	0.979
ΕK	sp_A6NFH5_Fatty	101	0.610	125.436	-0.068	0.005	0.045	0.951
ΕE	sp_A6NFH5_Fatty	102	0.617	107.842	0.064	0.005	0.336	0.660
ЕТ	sp_A6NFH5_Fatty	103	0.247	34.273	0.844	0.002	0.816	0.182
ЕТ	sp_A6NFH5_Fatty	104	0.331	45.910	0.842	0.001	0.959	0.040
вІ	sp_A6NFH5_Fatty	105	0.153	28.249	1.411	0.001	0.959	0.040
ЕТ	sp_A6NFH5_Fatty	106	0.271	37.588	1.159	0.001	0.959	0.040
B R	sp_A6NFH5_Fatty	107	0.170	38.907	1.534	0.001	0.959	0.040
ΕK	sp_A6NFH5_Fatty	108	0.358	73.723	0.593	0.001	0.959	0.040
ВL	sp_A6NFH5_Fatty	109	0.099	18.109	0.726	0.001	0.959	0.040
E V	sp_A6NFH5_Fatty	110	0.522	80.231	0.910	0.003	0.718	0.279
E D	sp_A6NFH5_Fatty	111	0.794	114.459	-0.211	0.005	0.015	0.979
E G	sp_A6NFH5_Fatty	112	0.602	47.401	-0.807	0.005	0.015	0.979
ΕK	sp_A6NFH5_Fatty	113	0.463	95.260	2.174	0.003	0.718	0.279
ВМ	sp_A6NFH5_Fatty	114	0.079	15.708	0.864	0.001	0.959	0.040

вV	sp_A6NFH5_Fatty	115	0.175	26.897	1.939	0.001	0.959	0.040
вV	sp_A6NFH5_Fatty	116	0.082	12.634	0.941	0.001	0.959	0.040
ВЕ	sp_A6NFH5_Fatty	117	0.207	36.110	1.170	0.001	0.959	0.040
B S	sp_A6NFH5_Fatty	118	0.058	6.739	1.324	0.001	0.959	0.040
ЕТ	sp_A6NFH5_Fatty	119	0.352	48.864	0.696	0.001	0.959	0.040
вV	sp_A6NFH5_Fatty	120	0.229	35.259	0.156	0.003	0.718	0.279
E N	sp_A6NFH5_Fatty	121	0.689	100.840	-0.497	0.005	0.015	0.979
E S	sp_A6NFH5_Fatty	122	0.633	74.211	-1.083	0.005	0.015	0.979
вV	sp_A6NFH5_Fatty	123	0.183	28.142	0.254	0.002	0.816	0.182
ΕI	sp_A6NFH5_Fatty	124	0.373	68.968	0.954	0.006	0.962	0.032
вс	sp_A6NFH5_Fatty	125	0.062	8.747	0.522	0.006	0.962	0.032
ЕТ	sp_A6NFH5_Fatty	126	0.340	47.172	1.451	0.006	0.962	0.032
B R	sp_A6NFH5_Fatty	127	0.173	39.571	0.928	0.006	0.962	0.032
ВТ	sp_A6NFH5_Fatty	128	0.270	37.477	1.204	0.006	0.962	0.032
ВΥ	sp_A6NFH5_Fatty	129	0.066	14.126	0.514	0.151	0.816	0.033
ΕE	sp_A6NFH5_Fatty	130	0.456	79.716	1.500	0.157	0.773	0.069
ΕK	sp_A6NFH5_Fatty	131	0.280	57.617	1.171	0.273	0.587	0.140
вV	sp_A6NFH5_Fatty	132	0.079	12.142	-0.100	0.487	0.370	0.144
E S	sp_A6NFH5_Fatty	133	0.344	40.352	0.300	0.352	0.332	0.316
E S	sp_A6NFH5_Fatty	134	0.600	70.285	0.649	0.352	0.332	0.316
E N	sp_A6NFH5_Fatty	135	0.416	60.873	0.852	0.216	0.235	0.548
E S	sp_A6NFH5_Fatty	136	0.538	63.007	0.476	0.216	0.235	0.548
E V	sp_A6NFH5_Fatty	137	0.513	78.787	-0.753	0.307	0.165	0.527
E S	sp_A6NFH5_Fatty	138	0.663	77.715	-0.329	0.191	0.086	0.723
E N	sp_A6NFH5_Fatty	139	0.647	94.765	-1.806	0.115	0.016	0.868
E S	sp_A6NFH5_Fatty	140	0.887	103.921	-0.299	0.003	0.003	0.994