

Supplementary Table 1:

Potential DNA binding proteins
identified by the iDBPs server:

PDB &chain	Prediction score	Sensitivity	Precision
3BHWA	0.993	0.217	0.764
1SFXA	0.9377	0.217	0.764
2GTVX	0.9211	0.283	0.781
3G1CA	0.921	0.283	0.781
2YX1A	0.9193	0.283	0.781
1G2RA	0.9136	0.283	0.781
2NRKA	0.9131	0.283	0.781
2ZOPA	0.9087	0.333	0.784
2P0TA	0.903	0.333	0.784
1WJ9A	0.8939	0.377	0.746
2OA4A	0.8905	0.377	0.746
2FSWA	0.8852	0.377	0.746
2ES6A	0.8797	0.377	0.746
2DP9A	0.877	0.377	0.746
2Q52A	0.8732	0.377	0.746
2PV4A	0.8706	0.377	0.746
2JEKA	0.869	0.428	0.737
2O38A	0.8617	0.428	0.737
3EB0A	0.8589	0.428	0.737
2ESHA	0.8572	0.428	0.737
3H0NA	0.8563	0.428	0.737
1J27A	0.851	0.428	0.737
2AXPA	0.8447	0.464	0.71
2I76A	0.8444	0.464	0.71
3BRCA	0.8433	0.464	0.71
2D1HA	0.8417	0.464	0.71
2I5HA	0.8393	0.464	0.71
1VQSA	0.8364	0.464	0.71
3E0SA	0.8343	0.464	0.71
2IT2A	0.8272	0.536	0.676
1SDIA	0.8238	0.536	0.676
1VDYA	0.8233	0.536	0.676
3BS4A	0.822	0.536	0.676
2GSCA	0.8174	0.536	0.676
3C9PA	0.8161	0.536	0.676
2AR1A	0.8157	0.536	0.676
3FRWA	0.8096	0.536	0.676
2K8YA	0.8039	0.536	0.676
2AEGA	0.7864	0.58	0.674
2OD0A	0.784	0.58	0.674
2HIYA	0.7808	0.58	0.674
2DPWA	0.779	0.587	0.628
1T95A	0.7781	0.587	0.628
2AUWA	0.7781	0.587	0.628
2FRNA	0.7674	0.623	0.618
1VQYA	0.7646	0.623	0.618
1ZEEA	0.7622	0.623	0.618

3FHMA	0.7604	0.623	0.618
2F6SA	0.7599	0.623	0.618
2P8TA	0.757	0.623	0.618
2K0MA	0.7519	0.623	0.618
2ZCAA	0.7475	0.645	0.598
1TLJA	0.7429	0.645	0.598
3FDIA	0.7383	0.645	0.598
2GZ4A	0.7375	0.645	0.598
2P5DA	0.7281	0.645	0.598
1W5TA	0.7276	0.645	0.598
2IM8A	0.7154	0.667	0.58
1SQHA	0.7151	0.667	0.58
1YKUA	0.7151	0.667	0.58
2RDEA	0.7122	0.667	0.58
2GMYA	0.7082	0.667	0.58
2AQWA	0.7058	0.667	0.58
1ZN6A	0.7052	0.667	0.58
1ZD0A	0.7048	0.667	0.58
3EZ0A	0.7042	0.667	0.58
1Y0KA	0.7018	0.667	0.58
2YQYA	0.7014	0.667	0.58
1L9GA	0.7003	0.667	0.58
2PTFA	0.7002	0.667	0.58
2A1VA	0.6992	0.71	0.548
2NWIA	0.6989	0.71	0.548
1YX1A	0.6985	0.71	0.548
1VP8A	0.6977	0.71	0.548
3DV8A	0.6977	0.71	0.548
2CPHA	0.697	0.71	0.548
2RHMA	0.6901	0.71	0.548
1VKMA	0.6883	0.717	0.523
1K7JA	0.6882	0.717	0.523
1PVMA	0.6824	0.717	0.523
1YLNA	0.68	0.717	0.501
1VAVA	0.6795	0.717	0.501
2B8MA	0.6793	0.717	0.501
2E67A	0.6777	0.717	0.501
2I9IA	0.6771	0.717	0.501
2GJGA	0.6722	0.717	0.501
1T6AA	0.6682	0.717	0.501
2NWUA	0.6626	0.717	0.501
1UANA	0.6597	0.732	0.485
2HSBA	0.6565	0.732	0.485
1UFOA	0.656	0.732	0.485
1VPYA	0.6531	0.732	0.485
1K3RA	0.6512	0.732	0.485
2PMAA	0.6491	0.775	0.49
2HWJA	0.6485	0.775	0.49
2Q0TA	0.6479	0.775	0.49
2DVKA	0.6467	0.775	0.49
3CHVA	0.6465	0.775	0.49
1U14A	0.6456	0.775	0.49
2GBSA	0.6454	0.775	0.49
2BDTA	0.6443	0.775	0.49

2OEQA	0.6431	0.775	0.49
2IF6A	0.6382	0.804	0.486
1XJCA	0.6379	0.804	0.486
1VPQA	0.6373	0.804	0.486
2P1AA	0.6359	0.804	0.486
2YVTA	0.6346	0.804	0.486
3F3KA	0.6335	0.804	0.486
2G8LA	0.6291	0.812	0.471
3FA5A	0.6283	0.812	0.471
2HKVA	0.6267	0.812	0.471
2PSBA	0.6263	0.812	0.471
1WOLA	0.6261	0.812	0.471
3CAXA	0.6255	0.812	0.471
2OEZA	0.6251	0.812	0.471
2ETSA	0.6241	0.812	0.471
2PHPA	0.6223	0.812	0.471
2Q4KA	0.6207	0.812	0.471
2Q00A	0.6171	0.819	0.456
3DTZA	0.6166	0.819	0.456
1VMJA	0.6162	0.819	0.456
2FEFA	0.6162	0.819	0.456
1VPVA	0.6153	0.819	0.456
1V8DA	0.612	0.819	0.456
1P9QC	0.6101	0.819	0.456
2QF9A	0.6097	0.833	0.445
2IMJA	0.6072	0.833	0.445
2G7JA	0.6063	0.833	0.445
1RTTA	0.6041	0.833	0.445
3B5MA	0.603	0.833	0.445
1W8IA	0.6022	0.833	0.445
1Z7UA	0.6016	0.833	0.445
2NSFA	0.5997	0.833	0.445
2IDGA	0.5977	0.833	0.445
3FG8A	0.5977	0.833	0.445
2GNXA	0.597	0.833	0.445
3BK5A	0.5957	0.833	0.445
2Q4MA	0.5947	0.833	0.445
1WJJA	0.5936	0.833	0.445
2O0PA	0.5936	0.833	0.445
2RLDA	0.5934	0.833	0.445
2IKBA	0.5882	0.848	0.437
2OU6A	0.5875	0.848	0.437
1JRMA	0.5874	0.848	0.437
2GUKA	0.5865	0.848	0.437
2GJUA	0.5864	0.848	0.437
2IPQX	0.5864	0.848	0.437
2HXJA	0.5863	0.848	0.437
2EQAA	0.5842	0.848	0.437
2EMQA	0.5832	0.848	0.437
2I6HA	0.5822	0.848	0.437
3DKAA	0.5785	0.855	0.424
2G0WA	0.5775	0.855	0.424
1WXXA	0.5772	0.855	0.424
3CEXA	0.5749	0.855	0.424

3D7AA	0.5743	0.855	0.424
2I5IA	0.5735	0.855	0.424
2P3YA	0.5714	0.855	0.424
1IHNA	0.5681	0.862	0.414
1VPHA	0.5664	0.862	0.414
2QGYA	0.5658	0.862	0.414
1H3ZA	0.5655	0.862	0.414
2F5XA	0.5653	0.862	0.414
1VE0A	0.5646	0.862	0.414
2G7ZA	0.5629	0.862	0.414
1SH8A	0.5615	0.862	0.414
3D82A	0.5598	0.87	0.404
3DN7A	0.5594	0.87	0.404
2ICUA	0.5548	0.87	0.404
2QA5A	0.5544	0.87	0.404
3DM8A	0.5542	0.87	0.404
3FJVA	0.5542	0.87	0.404
1NNWA	0.5541	0.87	0.404
1TUHA	0.5534	0.87	0.404
2BDVA	0.552	0.87	0.404
1O3UA	0.5503	0.87	0.404
2GKPA	0.5496	0.877	0.394
1V96A	0.5486	0.877	0.394
2HQYA	0.5482	0.877	0.394
1YHFA	0.5475	0.877	0.394
2DGDA	0.5467	0.877	0.394
1XPJA	0.5452	0.877	0.394
3GBYA	0.544	0.877	0.394
2P6HA	0.5439	0.877	0.394
1EO1A	0.5433	0.877	0.394
2GAXA	0.5431	0.877	0.394
1WDJA	0.5426	0.877	0.394
1U5WA	0.5417	0.877	0.394
2EJXA	0.5411	0.877	0.394
2RFRA	0.5374	0.884	0.373
3CPGA	0.5362	0.884	0.373
2YV4A	0.536	0.884	0.373
2P61A	0.5345	0.884	0.373
3E49A	0.5326	0.884	0.373
2Z6VA	0.5324	0.884	0.373
3EC9A	0.532	0.884	0.373
2NRQA	0.5295	0.884	0.362
3BWWA	0.5295	0.884	0.362
3E02A	0.5287	0.884	0.362
2YZSA	0.528	0.884	0.362
1WVQA	0.5276	0.884	0.362
2IA7A	0.5275	0.884	0.362
2QH9A	0.5262	0.884	0.362
3CKJA	0.5235	0.884	0.362
3DNXA	0.5225	0.884	0.362
3BZ6A	0.5224	0.884	0.362
2FU2A	0.5223	0.884	0.362
1IN0A	0.5191	0.891	0.354
2P2UA	0.5189	0.891	0.354

1ZKIA	0.5173	0.891	0.354
1LFPA	0.5171	0.891	0.354
2O35A	0.5146	0.891	0.354
1VJLA	0.514	0.891	0.354
1YQHA	0.5138	0.891	0.354
1SMBA	0.5118	0.891	0.354
2G38B	0.5118	0.891	0.354
2IVYA	0.5113	0.891	0.354
2FE1A	0.5103	0.891	0.354
2Q5ZA	0.5103	0.891	0.354
1R3DA	0.5096	0.906	0.35
1YG2A	0.509	0.906	0.35
2G03A	0.5085	0.906	0.35
1WEHA	0.5082	0.906	0.35
3B49A	0.5073	0.906	0.35
2OA2A	0.5062	0.906	0.35
3ES1A	0.5054	0.906	0.35
1SJ5A	0.5053	0.906	0.35
2YZYA	0.5037	0.906	0.35
2QG3A	0.5034	0.906	0.35
2GMGA	0.5031	0.906	0.35
2B78A	0.5014	0.906	0.35
3H3LA	0.5014	0.906	0.35