Supplementary materials:

UMAP-DBP: An Improved DNA-Binding Proteins Prediction Based on Uniform Manifold Approximation and Projection

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Table S1. The different iterations to obtain prediction results of BP1075 benchmark dataset.

iterations	accuracy	iterations	accuracy
10	0.7898	260	0.8297
20	0.8065	270	0.8205
30	0.8121	280	0.8204
40	0.8056	290	0.8177
50	0.8149	300	0.8186
60	0.8111	310	0.8270
70	0.8214	320	0.8279
80	0.8158	330	0.8167
90	0.8074	340	0.8251
100	0.8269	350	0.8251
110	0.8120	360	0.8242
120	0.8120	370	0.8195
130	0.8176	380	0.8167
140	0.8083	390	0.8130
150	0.8158	400	0.8223
160	0.8186	410	0.8214
170	0.8111	420	0.8148
180	0.8167	430	0.8177
190	0.8213	440	0.8232
200	0.8158	450	0.8260
210	0.8130	460	0.8223
220	0.8205	470	0.8279
230	0.8149	480	0.8232
240	0.8149	490	0.8260
250	0.8167	500	0.8251

Table S2. The different iterations to obtain prediction results of BP594 benchmark dataset.

iterations	accuracy	iterations	accuracy
10	0.7019	260	0.8098
20	0.7373	270	0.8029
30	0.7710	280	0.8130
40	0.7828	290	0.8164
50	0.7910	300	0.8081
60	0.7861	310	0.8114
70	0.7809	320	0.8098
80	0.7895	330	0.8182
90	0.8114	340	0.8131
100	0.8113	350	0.8115
110	0.8165	360	0.7981
120	0.7897	370	0.8097
130	0.8080	380	0.8199
140	0.8114	390	0.7946
150	0.8029	400	0.8013
160	0.8079	410	0.8098
170	0.8097	420	0.7929
180	0.7961	430	0.8081
190	0.7945	440	0.7997
200	0.8082	450	0.8048
210	0.8198	460	0.8149
220	0.8131	470	0.8097
230	0.8218	480	0.8081
240	0.8028	490	0.8030
250	0.8098	500	0.8098