

## Supplementary File No 1

Tab.S1. Comparison of reference protein with samples (blastp).

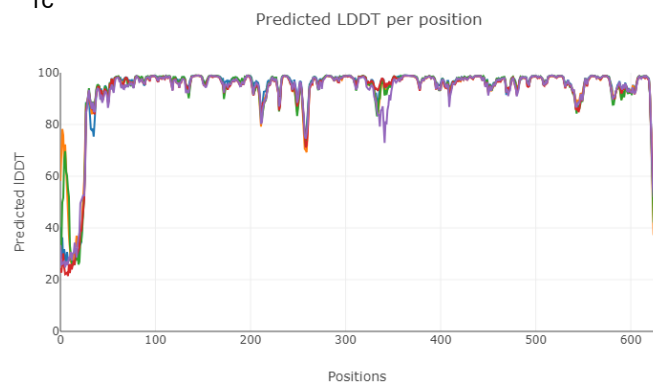
Protein (% of Identity)	ASA_2540	ASA_0509	ASA_1438	ASA_1267	OmpC	OmpA	OmpF
Sample_ID							
115-1	100	100	100	100	100	100	100
117BS-1	100	100	100	100	100	100	100
117ES-1	100	100	100	100	100	100	100
133-1	100	100	100	100	100	100	100
135-1	100	100	100	100	100	100	100
137-1	100	100	100	100	100	100	100
140-1-1	100	100	100	100	100	100	100
142-1	100	100	100	100	100	100	100
14f3-1	100	100	100	100	100	100	100
155-1	100	100	100	100	100	100	100
156-1	100	100	100	100	100	100	100
160-1	100	100	100	100	100	100	100
179-1	100	100	100	100	100	100	100
185-1	100	100	100	100	100	100	100
187-1	100	100	100	100	100	100	100
206-1	100	100	100	100	100	100	100
217-1-1	100	100	100	100	100	100	100
222-1	100	100	100	100	100	100	100
234-1	100	100	100	100	100	100	100

236-1	100	100	100	100	100	100	100
237-1	100	100	100	100	100	100	100
249-1	100	100	100	100	100	100	100
250-1	100	100	100	100	100	100	100
254-1-1	100	100	100	100	100	100	100
255-1	100	100	100	100	100	100	100
256-1	100	100	100	100	100	100	100
262-1	100	100	100	100	100	100	100
277-1	100	100	100	100	100	100	100
280-1	100	100	100	100	100	100	100
282-1	100	100	100	100	100	100	100
290-1	100	100	100	100	100	100	100
295-1	100	100	100	100	100	100	100
300-1	100	100	100	100	100	100	100
302-1	100	100	100	100	100	100	100
303-1	100	100	100	100	100	100	100
311-1	100	100	100	100	100	100	100
327-1	100	100	100	100	100	100	100
330-1	100	100	100	100	100	100	100
352-1	100	100	100	100	100	100	100
354-1	100	100	100	100	100	100	100
356-1	100	100	100	100	100	100	100
409-1	100	100	100	100	100	100	100
410-1	100	100	100	100	100	100	100
457-1	100	100	100	100	100	100	100
458-1	100	100	100	100	100	100	100
461-1	100	100	100	100	100	100	100
482A-1	100	100	100	100	100	100	100
54-1	100	100	100	100	100	100	100

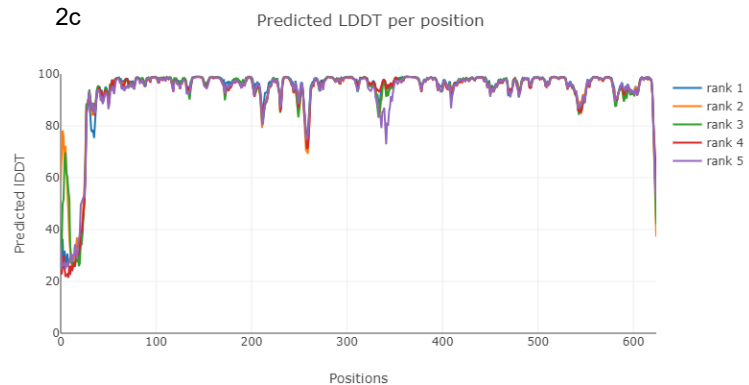
57-1	100	100	100	100	100	100	100
71-1	100	100	100	100	100	100	100
78ES-1_1	100	100	100	100	100	100	100
8-1	100	100	100	100	100	100	100
F3-1	100	100	100	100	100	100	100
F4-1	100	100	100	100	100	100	100

A

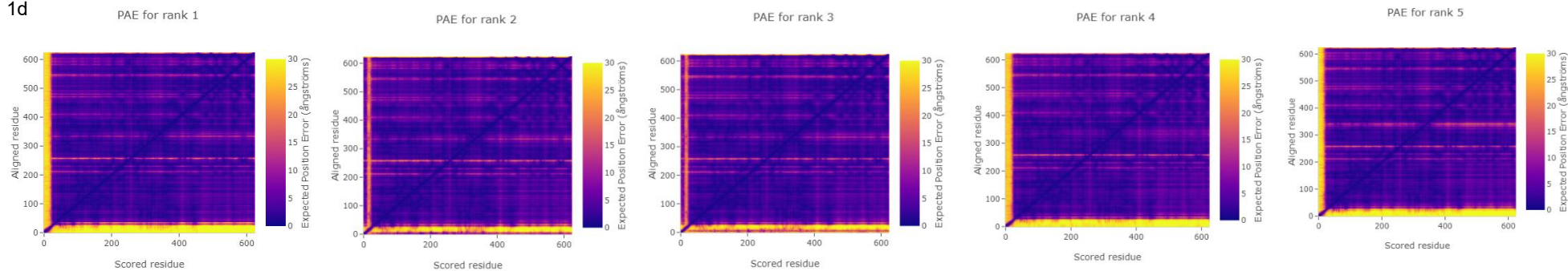
1c



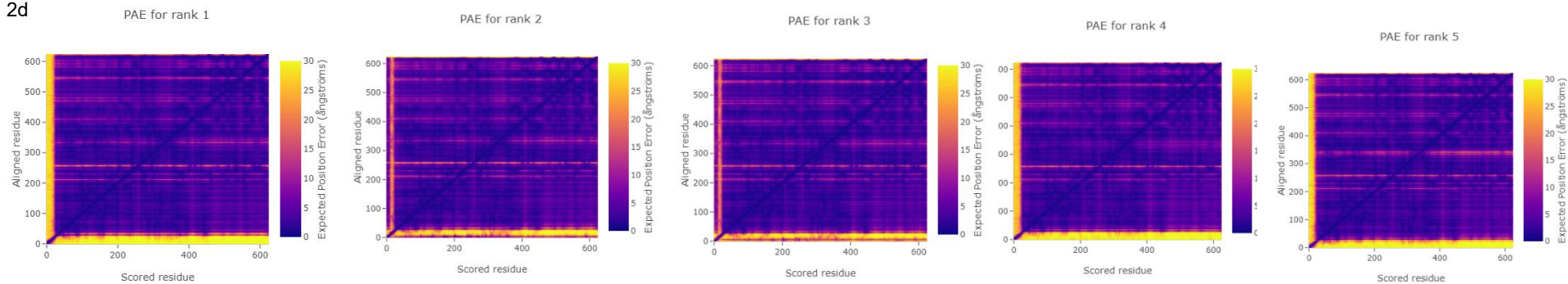
2c



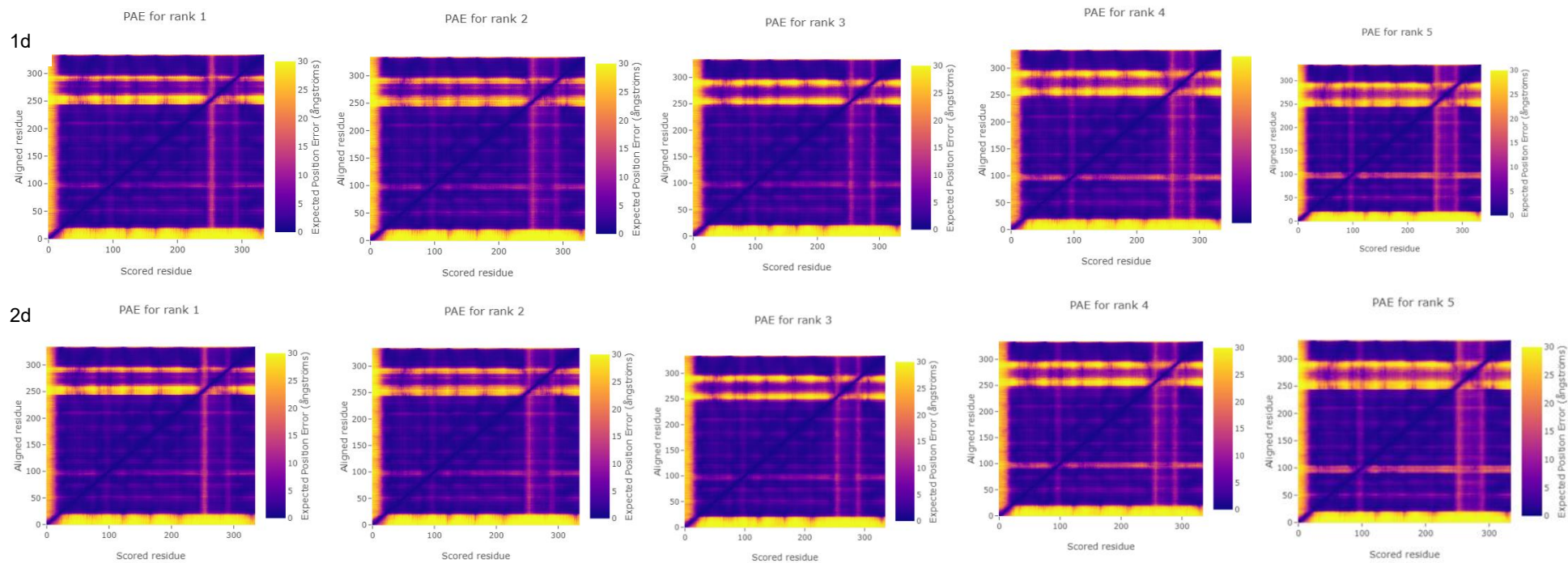
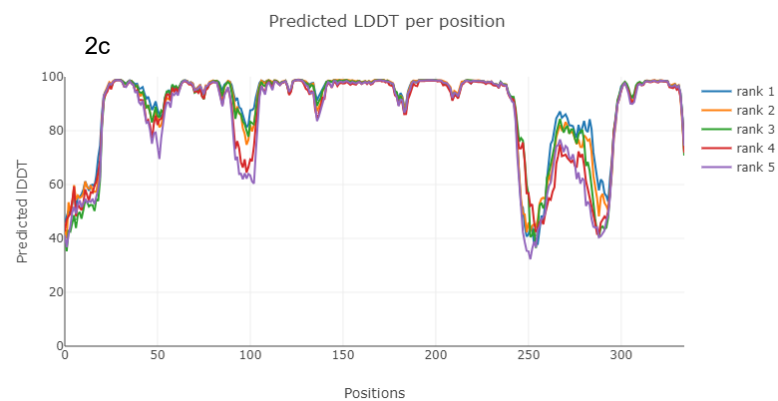
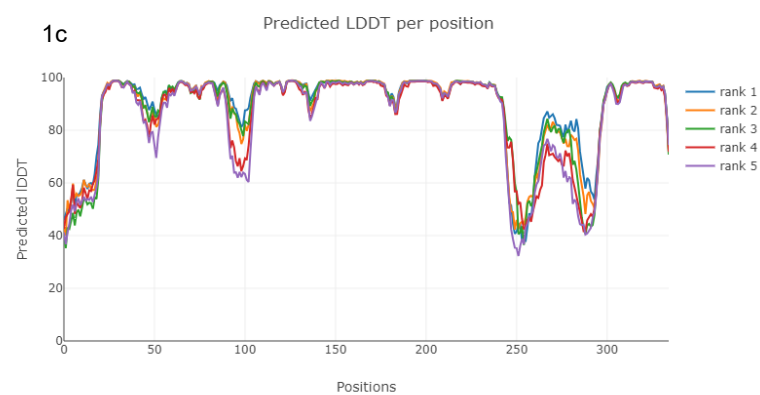
1d



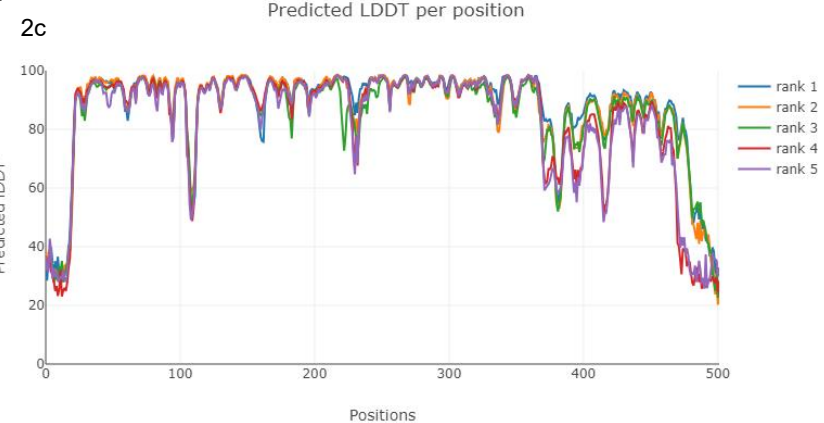
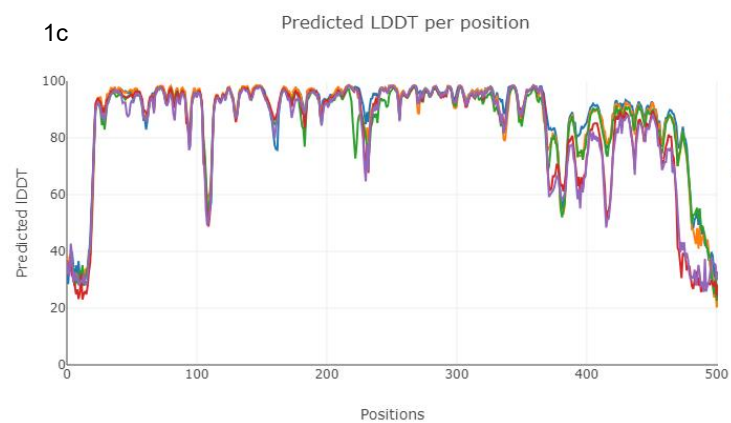
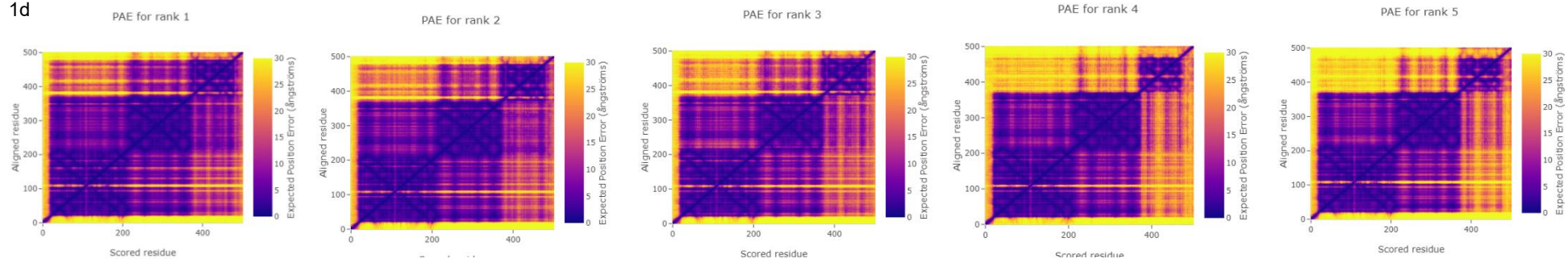
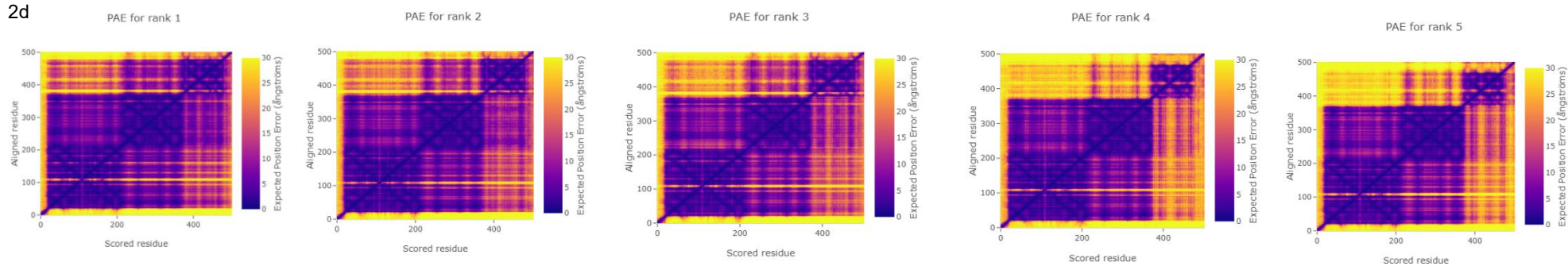
2d



**B**

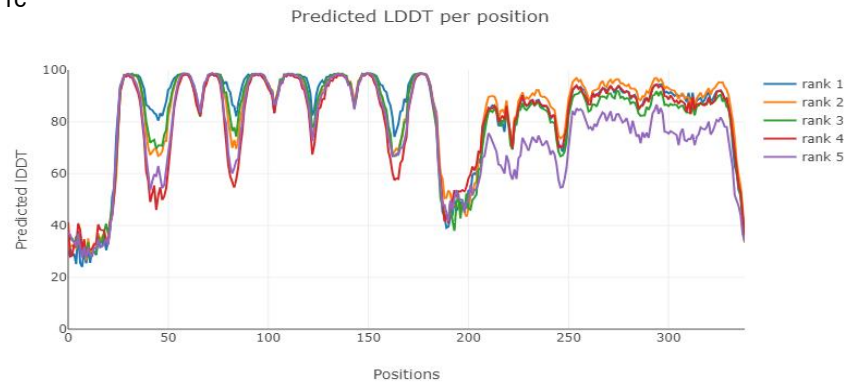




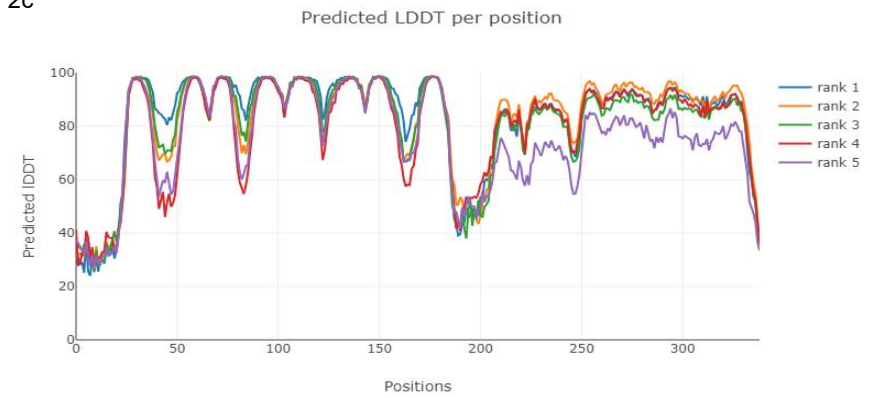
**c****1d****2d**

D

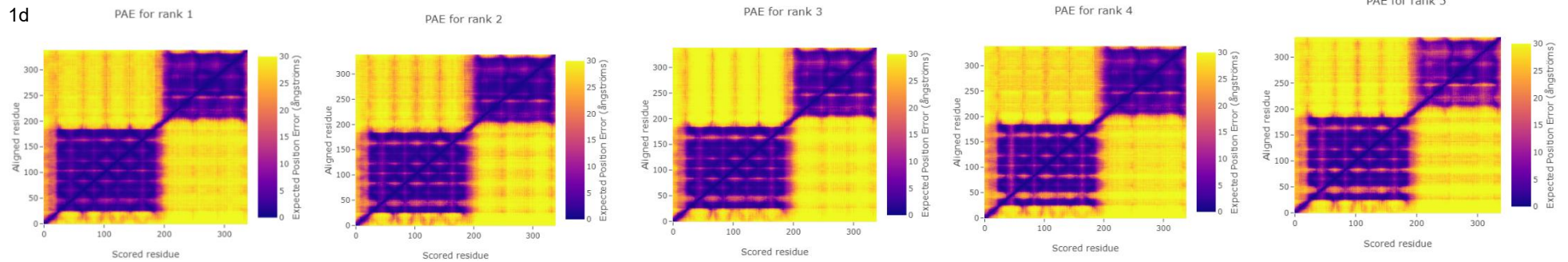
1c



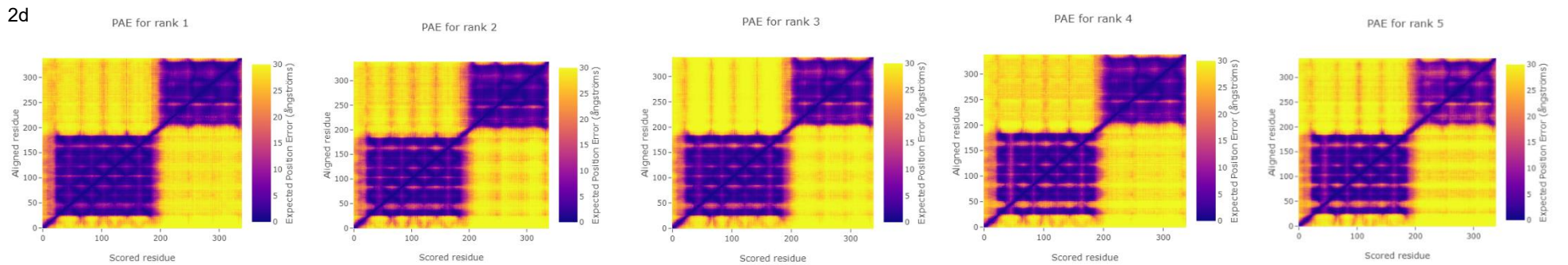
2c



1d



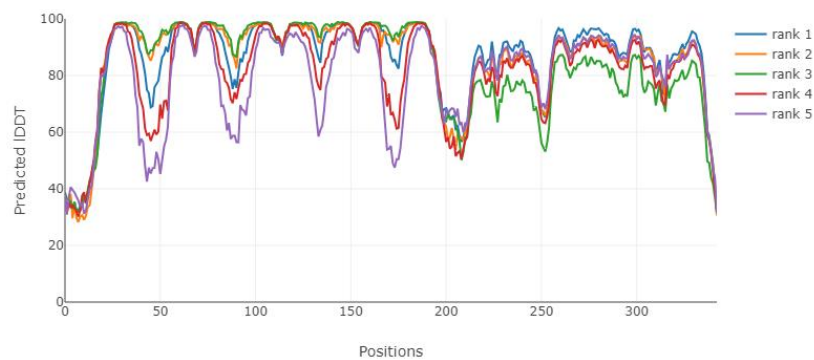
2d



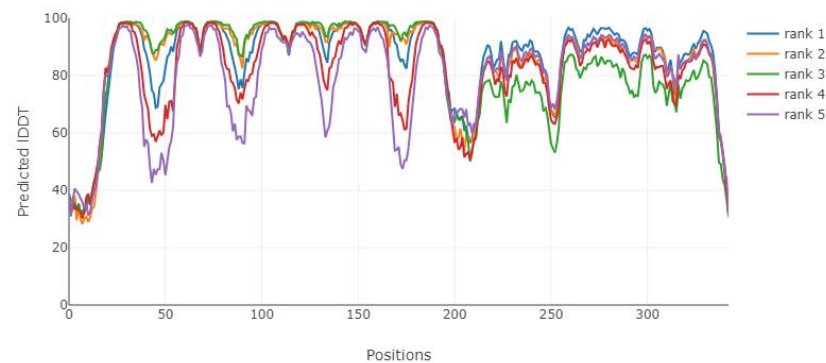


E

1c Predicted LDDT per position

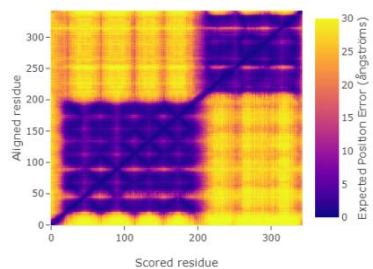


2c Predicted LDDT per position

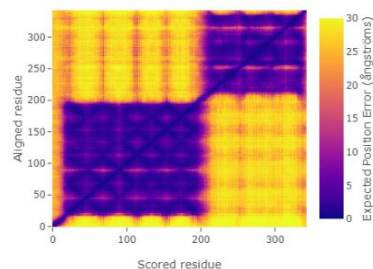


1d

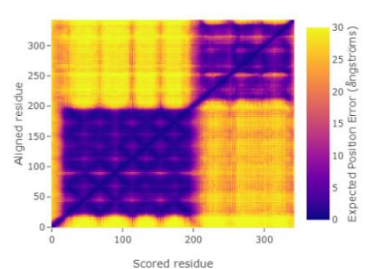
PAE for rank 1



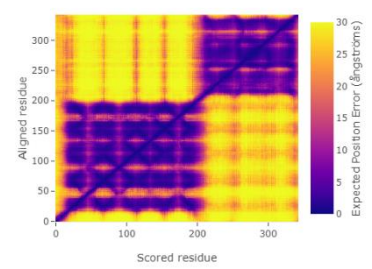
PAE for rank 2



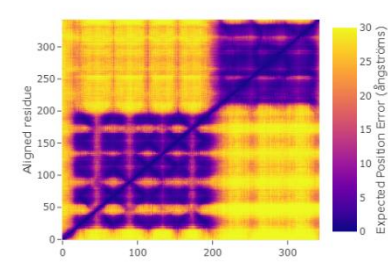
PAE for rank 3



PAE for rank 4

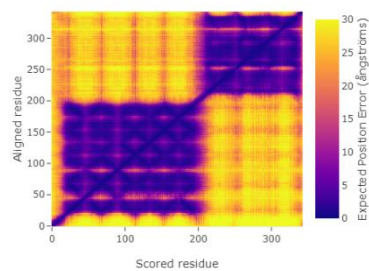


PAE for rank 5

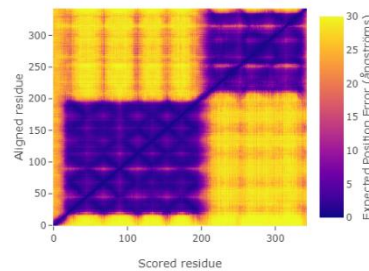


2d

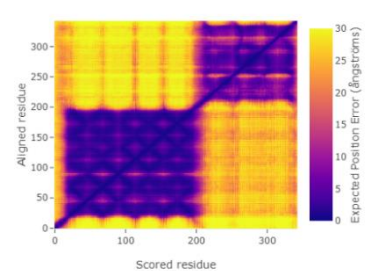
PAE for rank 1



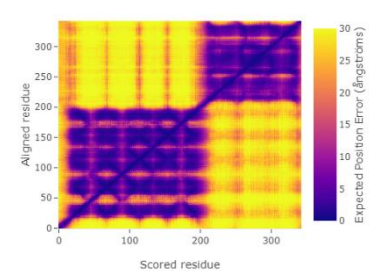
PAE for rank 2



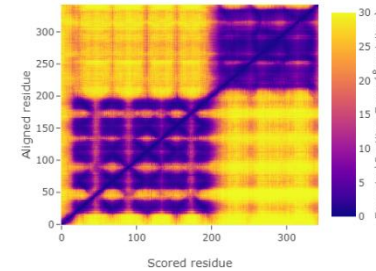
PAE for rank 3



PAE for rank 4



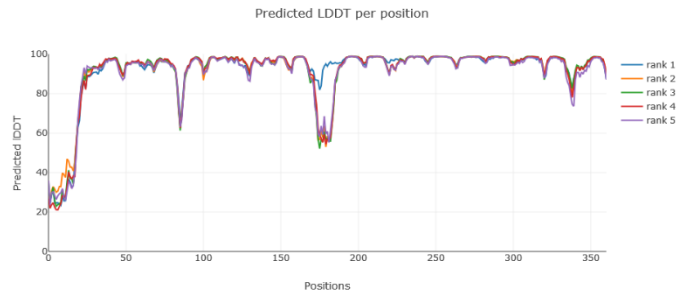
PAE for rank 5



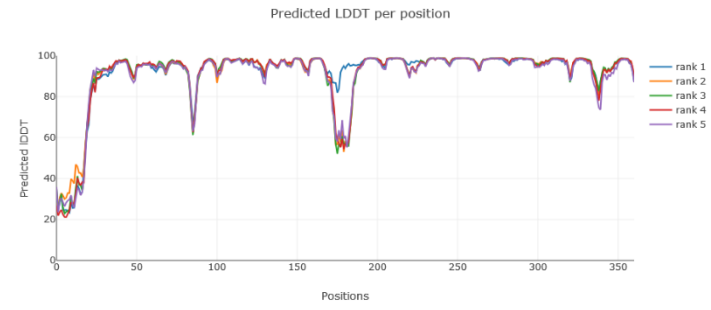


F

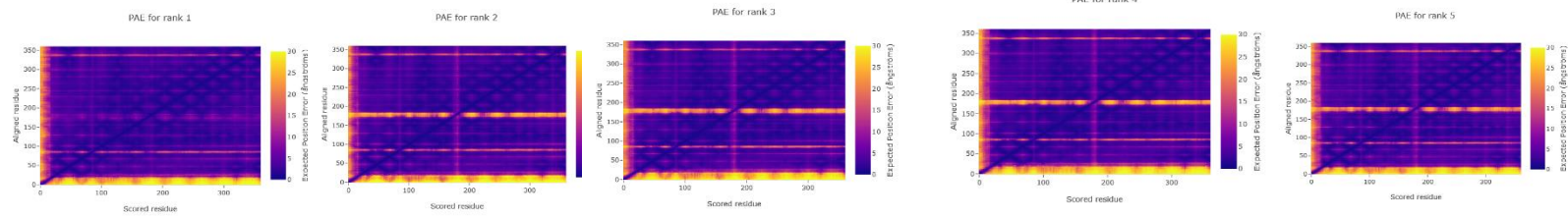
1c



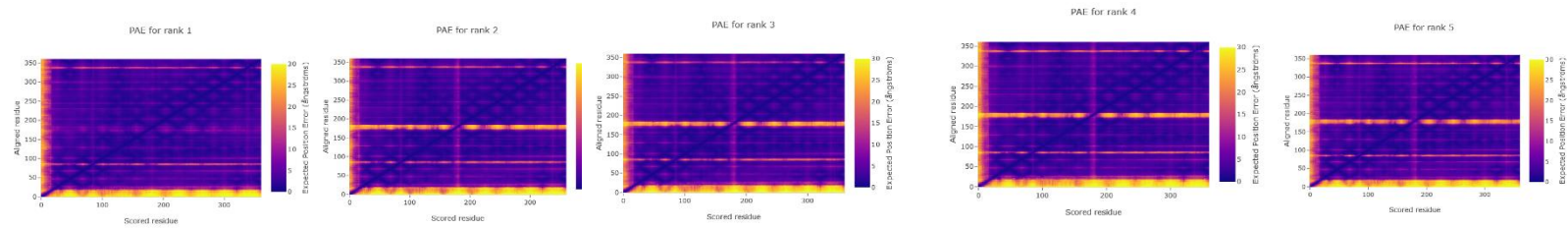
2c



1d

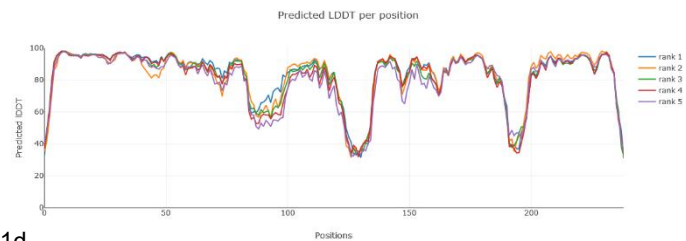


2d

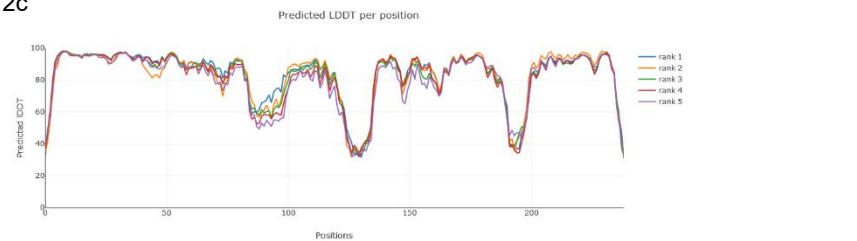


G

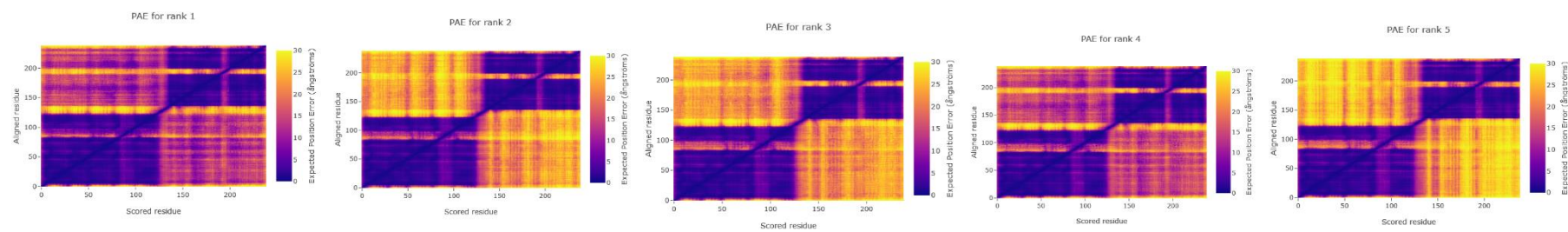
1c



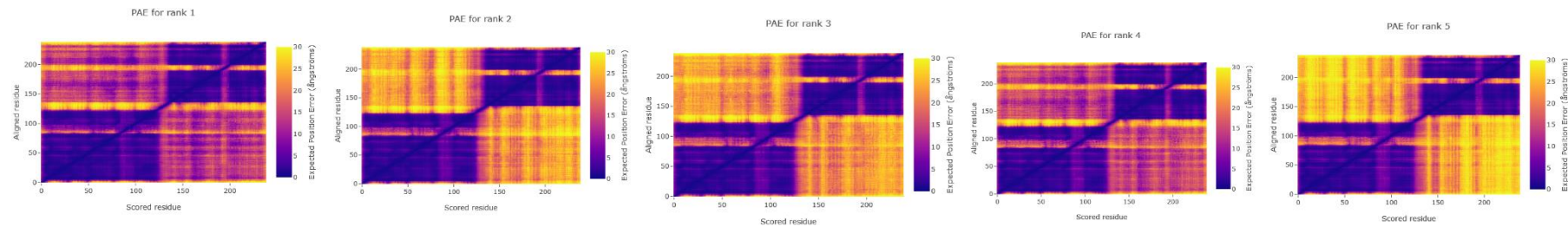
2c



1d

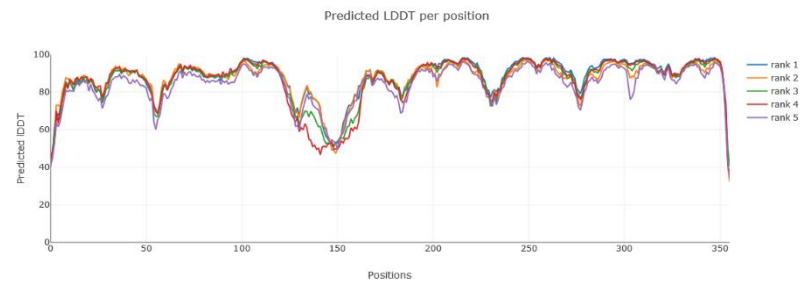


2d

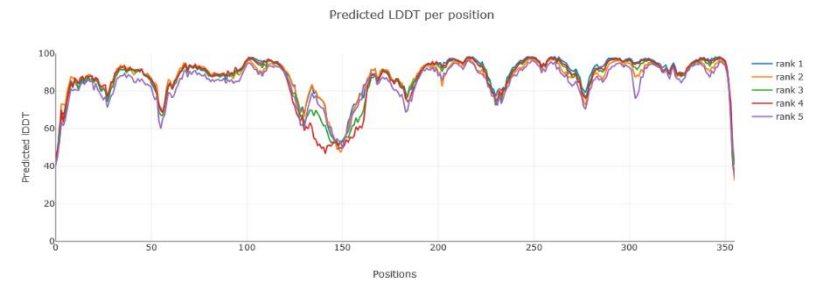


H

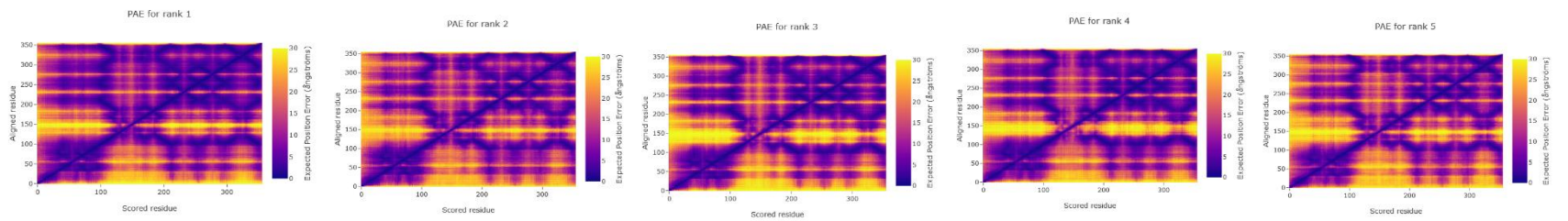
1c



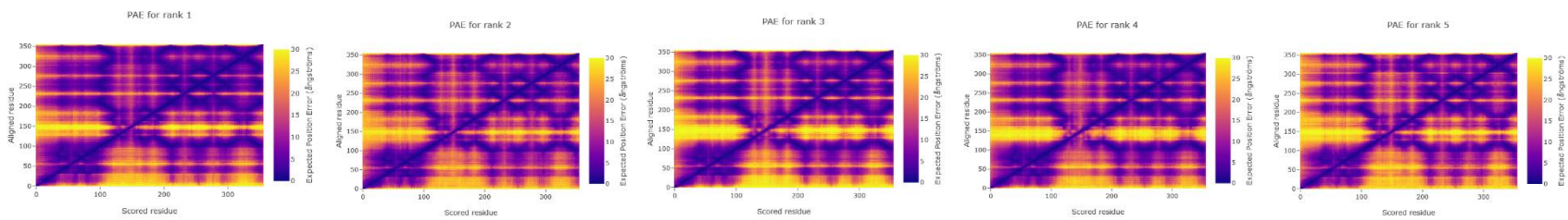
2c



1d



2d



I

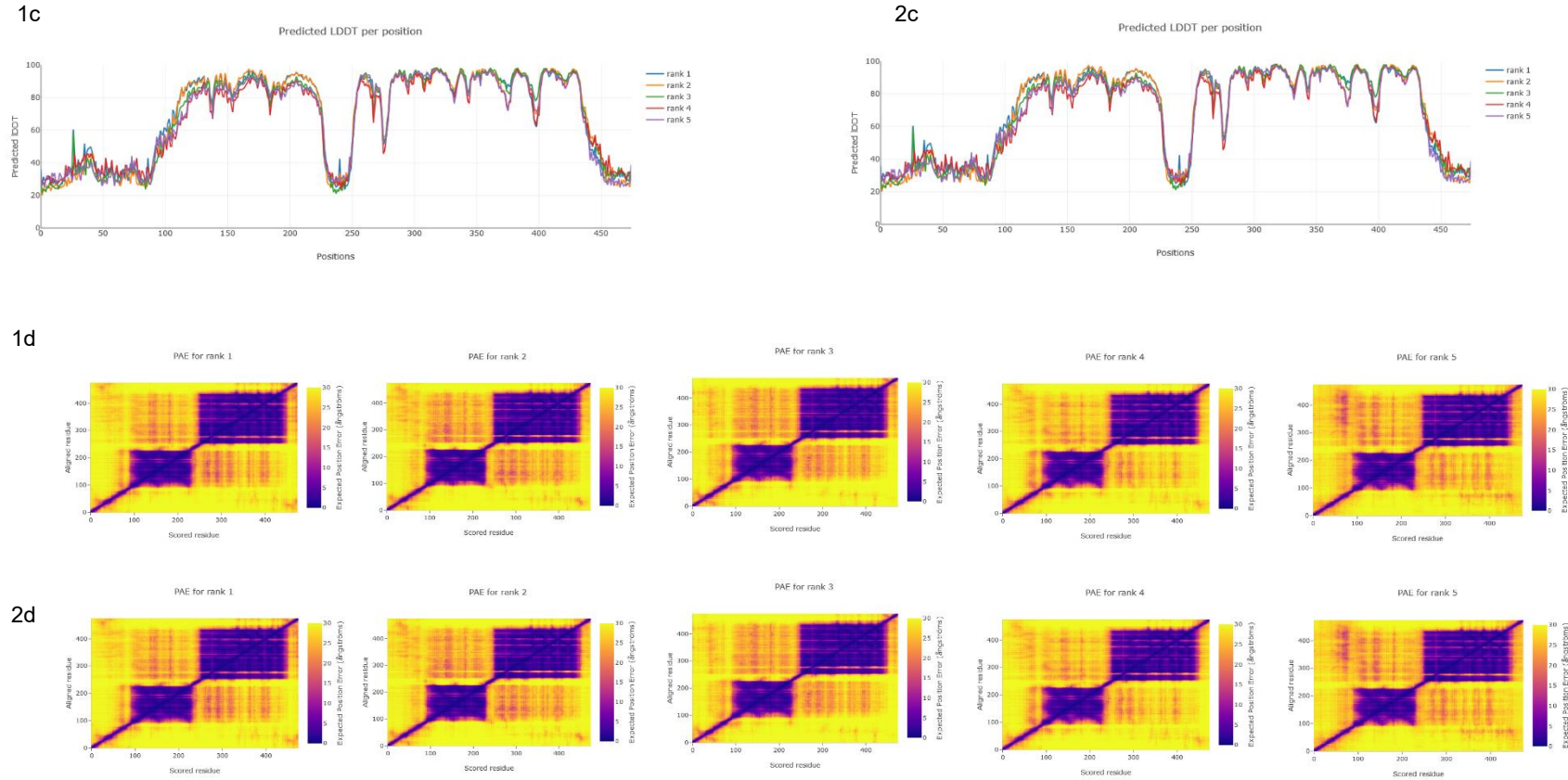


Fig. 1. Protein structure analysis between reference and selected sample (290-1) [where: A – ASA\_2540; B – ASA\_0509; C – ASA\_1438; D – ASA\_1267; E – OmpA; F – OmpC; G – OmpF; H – AscC; I – AexT; c – predicted LDDT per position; d – PAE; 1 – sample; 2 – reference]