

Supplemental Information for “Study of Real-Valued Distance Prediction For Protein Structure Prediction with Deep Learning”

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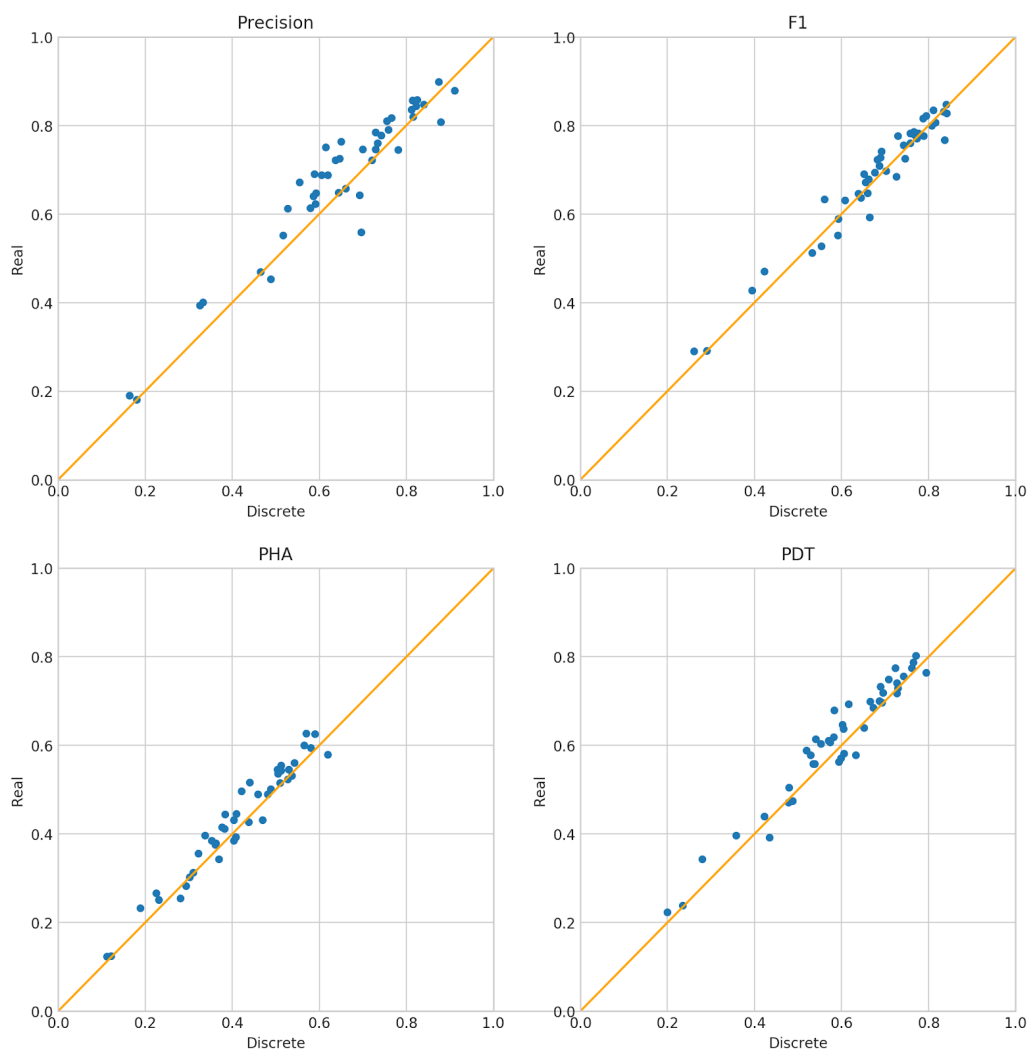


Figure S1. Distance prediction accuracy of our discrete-valued and real-valued method on the 43 FM and FM/BM CASP13 targets. The accuracy is evaluated by precision, F1, PHA and PDT.

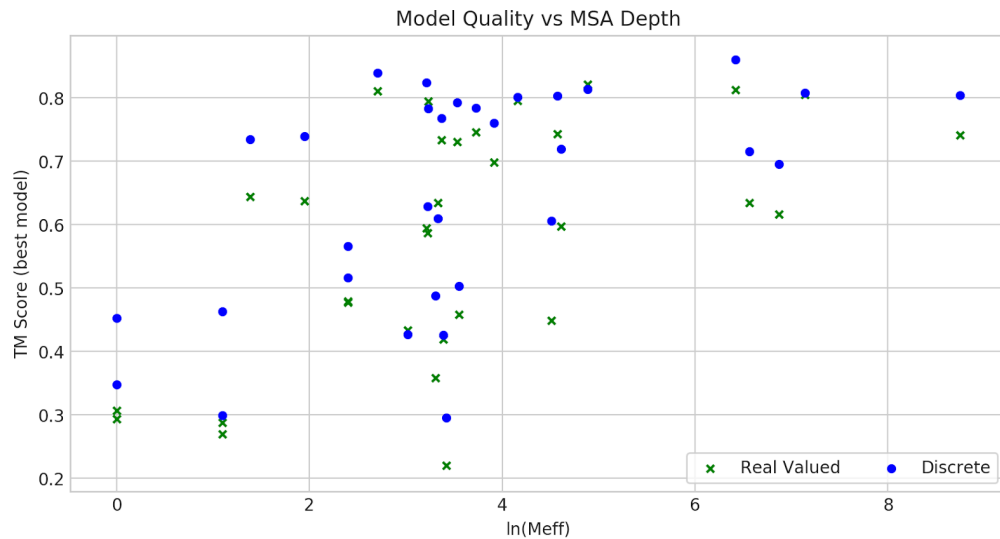


Figure S2. The relationship between the logarithm of MSA depth (i.e., $\ln(\text{Meff})$) and 3D model quality on the 32 CASP13 FM targets.

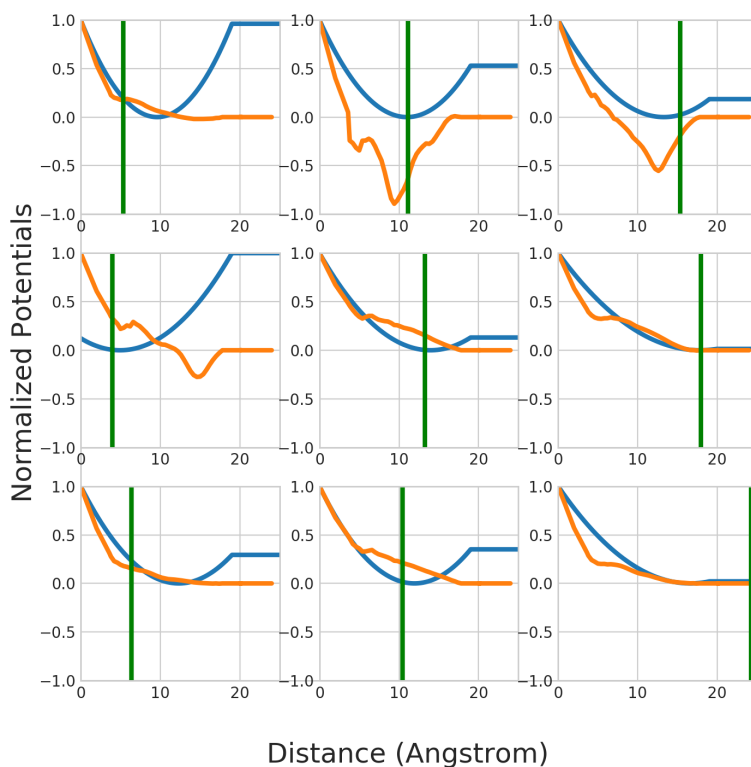


Figure S3. Comparison of predicted distance potentials on one target T1015s1-D1 for short-range (top row), medium-range (middle row), and long-range (last row) residue pairs. Columns correspond to $< 8\text{\AA}$, $8-15\text{\AA}$, and $> 15\text{\AA}$. The green line marks the native distance of a residue pair; the blue line corresponds to real-valued prediction and the orange line to discrete-valued prediction.