

Table S6: MAEs of the top $n*L$ long-range distances by different distance predictors on the 221 test proteins. The p -values were calculated using paired, two-sided Student's t-tests between the DeepPotential results and the control methods.

Method	L/2 (p-value)	L (p-value)	2L (p-value)	5L (p-value)	10L (p-value)
DeepPotential	0.974 (*)	1.018 (*)	1.090 (*)	1.302 (*)	1.613 (*)
trRosetta	1.050 (4.9E-02)	1.154 (5.9E-04)	1.328 (2.8E-06)	1.730 (2.0E-07)	2.241 (1.4E-11)
DMPfold	1.779 (1.4E-15)	1.930 (7.6E-22)	2.184 (7.5E-28)	2.695 (1.6E-33)	3.488 (1.1E-41)